Air Quality and Greenhouse Gas Background and Modeling Data

AIR QUALITY

Climate/Meteorology

SOUTH COAST AIR BASIN

The project site lies in the South Coast Air Basin (SoCAB), which includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. The SoCAB is in a coastal plain with connecting broad valleys and low hills and is bounded by the Pacific Ocean in the southwest quadrant, with high mountains forming the remainder of the perimeter. The general region lies in the semi-permanent high-pressure zone of the eastern Pacific. As a result, the climate is mild, tempered by cool sea breezes. This usually mild weather pattern is interrupted infrequently by periods of extremely hot weather, winter storms, and Santa Ana winds (SCAQMD 2005).

Temperature and Precipitation

The annual average temperature varies little throughout the SoCAB, ranging from the low to middle 60s, measured in degrees Fahrenheit (°F). With a more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas. The climatological station nearest to the project site is the Los Angeles Downtown USC Campus Station (ID No. 045115). The lowest average low is reported at 48.3°F in January while the highest average high is 83.1°F in August (WRCC 2019).

In contrast to a very steady pattern of temperature, rainfall is seasonally and annually highly variable. Almost all rain falls from October through April. Summer rainfall is normally restricted to widely scattered thundershowers near the coast, with slightly heavier shower activity in the east and over the mountains. Rainfall averages 14.77 inches per year in the project area according to the data from the Los Angeles Downtown USC Campus Station (ID No. 045115) (WRCC 2019).

Humidity

Although the SoCAB has a semiarid climate, the air near the earth's surface is typically moist because of the presence of a shallow marine layer. Except for infrequent periods when dry, continental air is brought into the SoCAB by offshore winds, the "ocean effect" is dominant. Periods of heavy fog, especially along the coast, are frequent. Low clouds, often referred to as high fog, are a characteristic climatic feature. Annual average humidity is 70 percent at the coast and 57 percent in the eastern portions of the SoCAB (SCAQMD 2005).

Wind

Wind patterns across the south coastal region are characterized by westerly or southwesterly onshore winds during the day and by easterly or northeasterly breezes at night. Wind speed is somewhat greater during the dry summer months than during the rainy winter season.

Between periods of wind, periods of air stagnation may occur, both in the morning and evening hours. Air stagnation is one of the critical determinants of air quality conditions on any given day. During the winter and fall months, surface high-pressure systems over the SoCAB, combined with other meteorological conditions, can result in very strong, downslope Santa Ana winds. These winds normally continue a few days before predominant meteorological conditions are reestablished.

The mountain ranges to the east affect the transport and diffusion of pollutants by inhibiting their eastward transport. Air quality in the SoCAB generally ranges from fair to poor and is similar to air quality in most of coastal southern California. The entire region experiences heavy concentrations of air pollutants during prolonged periods of stable atmospheric conditions (SCAQMD 2005).

Inversions

In conjunction with the two characteristic wind patterns that affect the rate and orientation of horizontal pollutant transport, there are two similarly distinct types of temperature inversions that control the vertical depth through which pollutants are mixed. These are the marine/subsidence inversion and the radiation inversion. The combination of winds and inversions are critical determinants in leading to the highly degraded air quality in summer and the generally good air quality in the winter in the project area (SCAQMD 2005).

Air Quality Regulations

The proposed project has the potential to release gaseous emissions of criteria pollutants and dust into the ambient air; therefore, it falls under the ambient air quality standards promulgated at the local, state, and federal levels. The project site is in the SoCAB and is subject to the rules and regulations imposed by the South Coast Air Quality Management District (SCAQMD). However, SCAQMD reports to California Air Resources board (CARB), and all criteria emissions are also governed by the California and national Ambient Air Quality Standards (AAQS). Federal, state, regional, and local laws, regulations, plans, or guidelines that are potentially applicable to the proposed project are summarized below.

AMBIENT AIR QUALITY STANDARDS

The Clean Air Act (CAA) was passed in 1963 by the US Congress and has been amended several times. The 1970 Clean Air Act amendments strengthened previous legislation and laid the foundation for the regulatory scheme of the 1970s and 1980s. In 1977, Congress again added several provisions, including nonattainment requirements for areas not meeting National AAQS and the Prevention of Significant Deterioration program. The 1990 amendments represent the latest in a series of federal efforts to regulate the protection of air quality in the United States. The CAA allows states to adopt more stringent standards or to include other pollution species. The California Clean Air Act (CCAA), signed into law in 1988, requires all areas of the state

to achieve and maintain the California AAQS by the earliest practical date. The California AAQS tend to be more restrictive than the National AAQS, based on even greater health and welfare concerns.

These National AAQS and California AAQS are the levels of air quality considered to provide a margin of safety in the protection of the public health and welfare. They are designed to protect "sensitive receptors" most susceptible to further respiratory distress, such as asthmatics, the elderly, very young children, people already weakened by other disease or illness, and persons engaged in strenuous work or exercise. Healthy adults can tolerate occasional exposure to air pollutant concentrations considerably above these minimum standards before adverse effects are observed.

Both California and the federal government have established health-based AAQS for seven air pollutants. As shown in Table 1, these pollutants include ozone (O_3), nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide (SO_2), coarse inhalable particulate matter (PM_{10}), fine inhalable particulate matter ($PM_{2.5}$), and lead (Pb). In addition, the state has set standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles. These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety.

Table 1 Ambient Air Quality Standards for Criteria Pollutants

Pollutant	Averaging Time	California Standard[1]	Federal Primary Standard[2]	Major Pollutant Sources
Ozone (O_3)[3]	1 hour	0.09 ppm	*	Motor vehicles, paints, coatings, and solvents.
	8 hours	0.070 ppm	0.070 ppm	
Carbon Monoxide (CO)	1 hour	20 ppm	35 ppm	Internal combustion engines, primarily gasoline-powered motor vehicles.
	8 hours	9.0 ppm	9 ppm	
Nitrogen Dioxide (NO_2)	Annual Arithmetic Mean	0.030 ppm	0.053 ppm	Motor vehicles, petroleum-refining operations, industrial sources, aircraft, ships, and railroads.
	1 hour	0.18 ppm	0.100 ppm	
Sulfur Dioxide (SO_2)	Annual Arithmetic Mean	*	0.030 ppm	Fuel combustion, chemical plants, sulfur recovery plants, and metal processing.
	1 hour	0.25 ppm	0.075 ppm	
	24 hours	0.04 ppm	0.14 ppm	
Respirable Coarse Particulate Matter (PM_{10})	Annual Arithmetic Mean	20 µg/m^3	*	Dust and fume-producing construction, industrial, and agricultural operations, combustion, atmospheric photochemical reactions, and natural activities (e.g., wind-raised dust and ocean sprays).
	24 hours	50 µg/m^3	150 µg/m^3	
Respirable Fine Particulate Matter	Annual Arithmetic Mean	12 µg/m^3	12 µg/m^3	Dust and fume-producing construction, industrial, and agricultural operations, combustion, atmospheric

Table 1 Ambient Air Quality Standards for Criteria Pollutants

Pollutant	Averaging Time	California Standard[1]	Federal Primary Standard[2]	Major Pollutant Sources
($PM_{2.5}$)[4]	24 hours	*	35 µg/m^3	photochemical reactions, and natural activities (e.g., wind-raised dust and ocean sprays).
Lead (Pb)	30-Day Average	1.5 µg/m^3	*	Present source: lead smelters, battery manufacturing & recycling facilities. Past source: combustion of leaded gasoline.
	Calendar Quarter	*	1.5 µg/m^3	
	Rolling 3-Month Average	*	0.15 µg/m^3	
Sulfates (SO_4)[5]	24 hours	25 µg/m^3	*	Industrial processes.
Visibility Reducing Particles	8 hours	ExCo =0.23/km visibility of 10≥ miles	No Federal Standard	Visibility-reducing particles consist of suspended particulate matter, which is a complex mixture of tiny particles that consists of dry solid fragments, solid cores with liquid coatings, and small droplets of liquid. These particles vary greatly in shape, size and chemical composition, and can be made up of many different materials such as metals, soot, soil, dust, and salt.
Hydrogen Sulfide	1 hour	0.03 ppm	No Federal Standard	Hydrogen sulfide (H_2S) is a colorless gas with the odor of rotten eggs. It is formed during bacterial decomposition of sulfur-containing organic substances. Also, it can be present in sewer gas and some natural gas, and can be emitted as the result of geothermal energy exploitation.
Vinyl Chloride	24 hour	0.01 ppm	No Federal Standard	Vinyl chloride (chloroethene), a chlorinated hydrocarbon, is a colorless gas with a mild, sweet odor. Most vinyl chloride is used to make polyvinyl chloride (PVC) plastic and vinyl products. Vinyl chloride has been detected near landfills, sewage plants, and hazardous waste sites, due to microbial breakdown of chlorinated solvents.

Source: CARB 2016.

Notes: ppm: parts per million; µg/m^3: micrograms per cubic meter

* Standard has not been established for this pollutant/duration by this entity.

1 California standards for O_3, CO (except 8-hour Lake Tahoe), SO_2 (1 and 24 hour), NO_2, and particulate matter (PM_{10}, $PM_{2.5}$, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

2 National standards (other than O_3, PM, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The O_3 standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m^3 is equal to or less than one. For $PM_{2.5}$, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard.

3 On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

4 On December 14, 2012, the national annual $PM_{2.5}$ primary standard was lowered from 15 µg/m^3 to 12.0 µg/m^3. The existing national 24-hour $PM_{2.5}$ standards (primary and secondary) were retained at 35 µg/m^3, as was the annual secondary standard of 15 µg/m^3. The existing 24-hour PM_{10} standards (primary and secondary) of 150 µg/m^3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

5 On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. The 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

California has also adopted a host of other regulations that reduce criteria pollutant emissions, including:

- AB 1493: Pavley Fuel Efficiency Standards
- Title 20 California Code of Regulations (CCR): Appliance Energy Efficiency Standards
- Title 24, Part 6, CCR: Building and Energy Efficiency Standards
- Title 24, Part 11, CCR: Green Building Standards Code

CRITERIA AIR POLLUTANTS

The air pollutants emitted into the ambient air by stationary and mobile sources are regulated by federal and state law. Air pollutants are categorized as primary or secondary pollutants. Primary air pollutants are those that are emitted directly from sources. Carbon monoxide (CO), volatile organic compounds (VOC), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), coarse inhalable particulate matter (PM_{10}), fine inhalable particulate matter ($PM_{2.5}$), and lead (Pb) are primary air pollutants. Of these, CO, SO_2, NO_2, PM_{10}, and $PM_{2.5}$ are "criteria air pollutants," which means that ambient air quality standards (AAQS) have been established for them. VOC and oxides of nitrogen (NO_x) are air pollutant precursors that form secondary criteria pollutants through chemical and photochemical reactions in the atmosphere. Ozone (O_3) and NO_2 are the principal secondary pollutants. A description of each of the primary and secondary criteria air pollutants and their known health effects is presented below.

Carbon Monoxide (CO) is a colorless, odorless, toxic gas produced by incomplete combustion of carbon substances, such as gasoline or diesel fuel. CO is a primary criteria air pollutant. CO concentrations tend to be the highest during winter mornings with little to no wind, when surface-based inversions trap the pollutant at ground levels. Because CO is emitted directly from internal combustion, engines and motor vehicles operating at slow speeds are the primary source of CO in the SoCAB. The highest ambient CO concentrations are generally found near traffic-congested corridors and intersections. The primary adverse health effect associated with CO is interference with normal oxygen transfer to the blood, which may result in tissue oxygen deprivation (SCAQMD 2005; USEPA 2018a). The SoCAB is designated under the California and National AAQS as being in attainment of CO criteria levels (CARB 2017a).

Volatile Organic Compounds (VOC) are compounds composed primarily of atoms of hydrogen and carbon. Internal combustion associated with motor vehicle usage is the major source of hydrocarbons. Other sources of VOCs include evaporative emissions associated with the use of paints and solvents, the application of asphalt paving, and the use of household consumer products such as aerosols. There are no ambient air quality standards established for VOCs. However, because they contribute to the formation of ozone (O_3), SCAQMD has established a significance threshold for this pollutant (SCAQMD 2005).

Nitrogen Oxides (NO_x) are a byproduct of fuel combustion and contribute to the formation of O_3, PM_{10}, and $PM_{2.5}$. The two major forms of NO_x are nitric oxide (NO) and nitrogen dioxide (NO_2). The principal form of NO_2 produced by combustion is NO, but NO reacts with oxygen to form NO_2, creating the mixture of NO and NO_2 commonly called NO_x. NO_2 acts as an acute irritant and, in equal concentrations, is more injurious than NO. At atmospheric concentrations, however, NO_2 is only potentially irritating. There is some indication of a relationship between NO_2 and chronic pulmonary fibrosis. Some increase in bronchitis in children (two and three years old) has also been observed at concentrations below 0.3 part per million (ppm).

NO_2 absorbs blue light; the result is a brownish-red cast to the atmosphere and reduced visibility. NO is a colorless, odorless gas formed from atmospheric nitrogen and oxygen when combustion takes place under high temperature and/or high pressure (SCAQMD 2005; USEPA 2018a). The SoCAB is designated as an attainment area for NO_2 under the National AAQS California AAQS (CARB 2017a).

Sulfur Dioxide (SO_2) is a colorless, pungent, irritating gas formed by the combustion of sulfurous fossil fuels. It enters the atmosphere as a result of burning high-sulfur-content fuel oils and coal and from chemical processes at chemical plants and refineries. Gasoline and natural gas have very low sulfur content and do not release significant quantities of SO_2 (SCAQMD 2005; USEPA 2018a). When sulfur dioxide forms sulfates (SO_4) in the atmosphere, together these pollutants are referred to as sulfur oxides (SO_X). Thus, SO_2 is both a primary and secondary criteria air pollutant. At sufficiently high concentrations, SO_2 may irritate the upper respiratory tract. At lower concentrations and when combined with particulates, SO_2 may do greater harm by injuring lung tissue. The SoCAB is designated as attainment under the California and National AAQS (CARB 2017a).

Suspended Particulate Matter (PM_{10} and $PM_{2.5}$) consists of finely divided solids or liquids such as soot, dust, aerosols, fumes, and mists. Two forms of fine particulates are now recognized and regulated. Inhalable coarse particles, or PM_{10}, include the particulate matter with an aerodynamic diameter of 10 microns (i.e., 10 millionths of a meter or 0.0004 inch) or less. Inhalable fine particles, or $PM_{2.5}$, have an aerodynamic diameter of 2.5 microns (i.e., 2.5 millionths of a meter or 0.0001 inch) or less. Particulate discharge into the atmosphere results primarily from industrial, agricultural, construction, and transportation activities. However, wind action on arid landscapes also contributes substantially to local particulate loading (i.e., fugitive dust). Both PM_{10} and $PM_{2.5}$ may adversely affect the human respiratory system, especially in people who are naturally sensitive or susceptible to breathing problems (SCAQMD 2005).

The US Environmental Protection Agency's (EPA) scientific review concluded that $PM_{2.5}$, which penetrates deeply into the lungs, is more likely than PM_{10} to contribute to health effects and at concentrations that extend well below those allowed by the current PM_{10} standards. These health effects include premature death and increased hospital admissions and emergency room visits (primarily the elderly and individuals with cardiopulmonary disease); increased respiratory symptoms and disease (children and individuals with cardiopulmonary disease such as asthma); decreased lung functions (particularly in children and individuals with asthma); and alterations in lung tissue and structure and in respiratory tract defense mechanisms (SCAQMD 2005). There has been emerging evidence that even smaller particulates with an aerodynamic diameter of <0.1 microns or less (i.e., ≤0.1 millionths of a meter or <0.000004 inch), known as ultrafine particulates (UFPs), have human health implications, because UFPs toxic components may initiate or facilitate biological processes that may lead to adverse effects to the heart, lungs, and other organs (SCAQMD 2016). However, the EPA or CARB have yet to adopt AAQS to regulate these particulates. Diesel particulate matter (DPM) is classified by the CARB as a carcinogen (CARB 1998). Particulate matter can also cause environmental effects such as visibility impairment,[1] environmental damage,[2] and aesthetic damage[3]

[1] $PM_{2.5}$ is the main cause of reduced visibility (haze) in parts of the United States.
[2] Particulate matter can be carried over long distances by wind and then settle on ground or water, making lakes and streams acidic; changing the nutrient balance in coastal waters and large river basins; depleting the nutrients in soil; damaging sensitive forests and farm crops; and affecting the diversity of ecosystems.

(SCAQMD 2005; USEPA 2018a). The SoCAB is a nonattainment area for $PM_{2.5}$ under California and National AAQS and a nonattainment area for PM_{10} under the California AAQS (CARB 2017a).[4]

Ozone (O_3) is commonly referred to as "smog" and is a gas that is formed when VOCs and NO_x, both by-products of internal combustion engine exhaust, undergo photochemical reactions in the presence of sunlight. O_3 is a secondary criteria air pollutant. O_3 concentrations are generally highest during the summer months when direct sunlight, light winds, and warm temperatures create favorable conditions for the formation of this pollutant. O_3 poses a health threat to those who already suffer from respiratory diseases as well as to healthy people. Breathing O_3 can trigger a variety of health problems, including chest pain, coughing, throat irritation, and congestion. It can worsen bronchitis, emphysema, and asthma. Ground-level O_3 also can reduce lung function and inflame the linings of the lungs. Repeated exposure may permanently scar lung tissue. O_3 also affects sensitive vegetation and ecosystems, including forests, parks, wildlife refuges, and wilderness areas. In particular, O_3 harms sensitive vegetation during the growing season (SCAQMD 2005; USEPA 2018a). The SoCAB is designated as extreme nonattainment under the California AAQS (1-hour and 8-hour) and National AAQS (8-hour) (CARB 2017a).

Lead (Pb) is a metal found naturally in the environment as well as in manufactured products. Once taken into the body, lead distributes throughout the body in the blood and accumulates in the bones. Depending on the level of exposure, lead can adversely affect the nervous system, kidney function, immune system, reproductive and developmental systems, and the cardiovascular system. Lead exposure also affects the oxygen-carrying capacity of the blood. The effects of lead most commonly encountered in current populations are neurological effects in children and cardiovascular effects in adults (e.g., high blood pressure and heart disease). Infants and young children are especially sensitive to even low levels of lead, which may contribute to behavioral problems, learning deficits, and lowered IQ (SCAQMD 2005; USEPA 2018a). The major sources of lead emissions have historically been mobile and industrial sources. As a result of the EPA's regulatory efforts to remove lead from gasoline, emissions of lead from the transportation sector dramatically declined by 95 percent between 1980 and 1999, and levels of lead in the air decreased by 94 percent between 1980 and 1999. Today, the highest levels of lead in air are usually found near lead smelters. The major sources of lead emissions today are ore and metals processing and piston-engine aircraft operating on leaded aviation gasoline. However, in 2008 the EPA and CARB adopted stricter lead standards, and special monitoring sites immediately downwind of lead sources recorded very localized violations of the new state and federal standards.[5] As a result of these violations, the Los Angeles County portion of the SoCAB is designated nonattainment under the National AAQS for lead (SCAQMD 2012; CARB 2017a). Because emissions of lead are found only in projects that are permitted by SCAQMD, lead is not a pollutant of concern for the project.

[3] Particulate matter can stain and damage stone and other materials, including culturally important objects such as statues and monuments.

[4] CARB approved the SCAQMD's request to redesignate the SoCAB from serious nonattainment for PM_{10} to attainment for PM_{10} under the National AAQS on March 25, 2010, because the SoCAB has not violated federal 24-hour PM_{10} standards during the period from 2004 to 2007. In June 2013, the EPA approved the State of California's request to redesignate the PM_{10} nonattainment area to attainment of the PM_{10} National AAQS, effective on July 26, 2013.

[5] Source-oriented monitors record concentrations of lead at lead-related industrial facilities in the SoCAB, which include Exide Technologies in the City of Commerce; Quemetco, Inc., in the City of Industry; Trojan Battery Company in Santa Fe Springs; and Exide Technologies in Vernon. Monitoring conducted between 2004 through 2007 showed that the Trojan Battery Company and Exide Technologies exceed the federal standards (SCAQMD 2012).

TOXIC AIR CONTAMINANTS

The public's exposure to air pollutants classified as toxic air contaminants (TACs) is a significant environmental health issue in California. In 1983, the California Legislature enacted a program to identify the health effects of TACs and to reduce exposure to these contaminants to protect the public health. The California Health and Safety Code defines a TAC as "an air pollutant which may cause or contribute to an increase in mortality or in serious illness, or which may pose a present or potential hazard to human health." A substance that is listed as a hazardous air pollutant (HAP) pursuant to Section 112(b) of the federal Clean Air Act (42 United States Code §7412[b]) is a toxic air contaminant. Under state law, the California Environmental Protection Agency (Cal/EPA), acting through CARB, is authorized to identify a substance as a TAC if it determines that the substance is an air pollutant that may cause or contribute to an increase in mortality or to an increase in serious illness, or may pose a present or potential hazard to human health.

California regulates TACs primarily through Assembly Bill (AB) 1807 (Tanner Air Toxics Act) and AB 2588 (Air Toxics "Hot Spot" Information and Assessment Act of 1987). The Tanner Air Toxics Act sets forth a formal procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an "airborne toxics control measure" for sources that emit designated TACs. If there is a safe threshold for a substance (i.e., a point below which there is no toxic effect), the control measure must reduce exposure to below that threshold. If there is no safe threshold, the measure must incorporate toxics best available control technology to minimize emissions. To date, CARB has established formal control measures for 11 TACs, all of which are identified as having no safe threshold.

Air toxics from stationary sources are also regulated in California under the Air Toxics "Hot Spot" Information and Assessment Act of 1987. Under AB 2588, toxic air contaminant emissions from individual facilities are quantified and prioritized by the air quality management district or air pollution control district. High priority facilities are required to perform a health risk assessment and, if specific thresholds are exceeded, are required to communicate the results to the public in the form of notices and public meetings.

By the last update to the TAC list in December 1999, CARB had designated 244 compounds as TACs (CARB 1999). Additionally, CARB has implemented control measures for a number of compounds that pose high risks and show potential for effective control. The majority of the estimated health risks from TACs can be attributed to relatively few compounds, the most important being particulate matter from diesel-fueled engines.

Diesel Particulate Matter

In 1998, CARB identified particulate emissions from diesel-fueled engines (diesel PM) as a TAC. Previously, the individual chemical compounds in diesel exhaust were considered TACs. Almost all diesel exhaust particle mass is 10 microns or less in diameter. Because of their extremely small size, these particles can be inhaled and eventually trapped in the bronchial and alveolar regions of the lung.

CARB has promulgated the following specific rules to limit TAC emissions:

- 13 CCR Chapter 10, Section 2485, Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling

- 13 CCR Chapter 10, Section 2480, Airborne Toxic Control Measure to Limit School Bus Idling and Idling at Schools
- 13 CCR Section 2477 and Article 8, Airborne Toxic Control Measure for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets and Facilities Where TRUs Operate

Community Risk

In addition, to reduce exposure to TACs, CARB developed and approved the *Air Quality and Land Use Handbook: A Community Health Perspective* (2005) to provide guidance regarding the siting of sensitive land uses in the vicinity of freeways, distribution centers, rail yards, ports, refineries, chrome-plating facilities, dry cleaners, and gasoline-dispensing facilities. This guidance document was developed to assess compatibility and associated health risks when placing sensitive receptors near existing pollution sources. CARB's recommendations on the siting of new sensitive land uses were based on a compilation of recent studies that evaluated data on the adverse health effects from proximity to air pollution sources. The key observation in these studies is that proximity to air pollution sources substantially increases exposure and the potential for adverse health effects. There are three carcinogenic toxic air contaminants that constitute the majority of the known health risks from motor vehicle traffic, DPM from trucks, and benzene and 1,3 butadiene from passenger vehicles. CARB recommendations are based on data that show that localized air pollution exposures can be reduced by as much as 80 percent by following CARB minimum distance separations.

Multiple Airborne Toxics Exposure Study (MATES)

The Multiple Air Toxics Exposure Study (MATES) is a monitoring and evaluation study on ambient concentrations of TACs and estimated the potential health risks from air toxics in the SoCAB. In 2008, SCAQMD conducted its third update to the MATES study (MATES III). The results showed that the overall risk for excess cancer from a lifetime exposure to ambient levels of air toxics was about 1,200 in a million. The largest contributor to this risk was diesel exhaust, accounting for 84 percent of the cancer risk (SCAQMD 2008a).

SCAQMD recently released the fourth update (MATES IV). The results showed that the overall monitored risk for excess cancer from a lifetime exposure to ambient levels of air toxics decreased to approximately 418 in one million. Compared to the 2008 MATES III, monitored excess cancer risks decreased by approximately 65 percent. Approximately 90 percent of the risk is attributed to mobile sources while 10 percent is attributed to TACs from stationary sources, such as refineries, metal processing facilities, gas stations, and chrome plating facilities. The largest contributor to this risk was diesel exhaust, accounting for approximately 68 percent of the air toxics risk. Compared to MATES III, MATES IV found substantial improvement in air quality and associated decrease in air toxics exposure. As a result, the estimated basin-wide population-weighted risk decreased by approximately 57 percent compared to the analysis done for the MATES III time period (SCAQMD 2015a).

The Office of Environmental Health Hazard Assessment (OEHHA) updated the guidelines for estimating cancer risks on March 6, 2015. The new method utilizes higher estimates of cancer potency during early life exposures, which result in a higher calculation of risk. There are also differences in the assumptions on

breathing rates and length of residential exposures. When combined together, SCAQMD estimates that risks for a given inhalation exposure level will be about 2.7 times higher using the proposed updated methods identified in MATES IV (e.g., 2.7 times higher than 418 in one million overall excess cancer risk) (SCAQMD 2015a).

Air Quality Management Planning

SCAQMD is the agency responsible for preparing the air quality management plan (AQMP) for the SoCAB in coordination with the Southern California Association of Governments (SCAG). Since 1979, a number of AQMPs have been prepared.

2016 AQMP

On March 3, 2017, SCAQMD adopted the 2016 AQMP as an update to the 2012 AQMP. The 2016 AQMP addresses strategies and measures to attain the following National AAQS:

- 2008 National 8-hour ozone standard by 2031,
- 2012 National annual $PM_{2.5}$ standard by 2025[6],
- 2006 National 24-hour $PM_{2.5}$ standard by 2019,
- 1997 National 8-hour ozone standard by 2023, and the
- 1979 National 1-hour ozone standard by year 2022.

It is projected that total NO_X emissions in the SoCAB would need to be reduced to 150 tons per day (tpd) by year 2023 and to 100 tpd in year 2031 to meet the 1997 and 2008 federal 8-hour ozone standards. The strategy to meet the 1997 federal 8-hour ozone standard would also lead to attaining the 1979 federal 1-hour ozone standard by year 2022 (SCAQMD 2017), which requires reducing NO_X emissions in the SoCAB to 250 tpd. This is approximately 45 percent additional reductions above existing regulations for the 2023 ozone standard and 55 percent additional reductions above existing regulations to meet the 2031 ozone standard.

Reducing NO_X emissions would also reduce $PM_{2.5}$ concentrations in the SoCAB. However, as the goal is to meet the 2012 federal annual $PM_{2.5}$ standard no later than year 2025, SCAQMD is seeking to reclassify the SoCAB from "moderate" to "serious" nonattainment under this federal standard. A "moderate" non-attainment would require meeting the 2012 federal standard by no later than 2021.

Overall, the 2016 AQMP is composed of stationary and mobile-source emission reductions from regulatory control measures, incentive-based programs, co-benefits from climate programs, mobile-source strategies, and reductions from federal sources such as aircrafts, locomotives, and ocean-going vessels. Strategies outlined in the 2016 AQMP would be implemented in collaboration between CARB and the EPA (SCAQMD 2017).

LEAD STATE IMPLEMENTATION PLAN

In 2008 EPA designated the Los Angeles County portion of the SoCAB nonattainment under the federal lead (Pb) classification due to the addition of source-specific monitoring under the new federal regulation.

[6] The 2016 AQMP requests a reclassification from moderate to serious non-attainment for the 2012 National $PM_{2.5}$ standard.

This designation was based on two source-specific monitors in Vernon and the City of Industry exceeding the new standard. The rest of the SoCAB, outside the Los Angeles County nonattainment area remains in attainment of the new standard. On May 24, 2012, CARB approved the SIP revision for the federal lead standard, which the EPA revised in 2008. Lead concentrations in this nonattainment area have been below the level of the federal standard since December 2011. The SIP revision was submitted to EPA for approval.

AREA DESIGNATIONS

The AQMP provides the framework for air quality basins to achieve attainment of the state and federal ambient air quality standards through the State Implementation Plan (SIP). Areas are classified as attainment or nonattainment areas for particular pollutants, depending on whether they meet ambient air quality standards. Severity classifications for ozone nonattainment range in magnitude from marginal, moderate, and serious to severe and extreme.

- **Unclassified:** a pollutant is designated unclassified if the data are incomplete and do not support a designation of attainment or nonattainment.
- **Attainment:** a pollutant is in attainment if the CAAQS for that pollutant was not violated at any site in the area during a three-year period.
- **Nonattainment:** a pollutant is in nonattainment if there was at least one violation of a state AAQS for that pollutant in the area.
- **Nonattainment/Transitional:** a subcategory of the nonattainment designation. An area is designated nonattainment/transitional to signify that the area is close to attaining the AAQS for that pollutant.

The attainment status for the SoCAB is shown in Table 2. The SoCAB is designated in attainment of the California AAQS for sulfates. The SoCAB is designated as nonattainment for lead (Los Angeles County only) under the National AAQS.

Table 2 Attainment Status of Criteria Pollutants in the South Coast Air Basin

Pollutant	State	Federal
Ozone – 1-hour	Extreme Nonattainment	No Federal Standard
Ozone – 8-hour	Extreme Nonattainment	Extreme Nonattainment
PM_{10}	Serious Nonattainment	Attainment/Maintenance
$PM_{2.5}$	Nonattainment	Nonattainment[1]
CO	Attainment	Attainment
NO_2	Attainment	Attainment/Maintenance
SO_2	Attainment	Attainment
Lead	Attainment	Nonattainment (Los Angeles County only)[2]
All others	Attainment/Unclassified	Attainment/Unclassified

Source: CARB 2017a.

[1] SCAQMD is seeking to reclassify the SoCAB from "moderate" to "serious" nonattainment under federal $PM_{2.5}$ standard.

[2] In 2010, the Los Angeles portion of the SoCAB was designated nonattainment for lead under the new federal and existing state AAQS as a result of large industrial emitters. Remaining areas in the SoCAB are unclassified.

Existing Ambient Air Quality

Existing levels of ambient air quality and historical trends and projections in the vicinity of the project site are best documented by measurements taken by the SCAQMD. The project site is in Source Receptor Area (SRA) 12 – South Central Los Angeles County. The air quality monitoring station closest to the project site is the Compton-700 North Bullis Road Monitoring Station. This station monitors O_3, NO_2, and $PM_{2.5}$. Data for PM_{10} is supplemented by the Los Angeles-North Main Street Monitoring Station. Data for CO and SO_2 is unavailable for Los Angeles County. The most current five years of data monitored at these monitoring stations are included in Table 3. The data show recurring violations of both the state and federal O_3 standards. The data also indicate that the area consistently exceeds the state PM_{10} standards and federal $PM_{2.5}$ standard.

Table 3 Ambient Air Quality Monitoring Summary

Pollutant/Standard	Number of Days Threshold Were Exceeded and Maximum Levels during Such Violations				
	2013	2014	2015	2016	2017
Ozone (O_3) [1]					
State 1-Hour ≥ 0.09 ppm (days exceed threshold)	0	0	0	1	0
State 8-hour ≥ 0.07 ppm (days exceed threshold)	1	4	1	1	5
Federal 8-Hour > 0.075 ppm (days exceed threshold)	1	2	0	0	1
Max. 1-Hour Conc. (ppm)	0.090	0.094	0.091	0.098	0.092
Max. 8-Hour Conc. (ppm)	0.080	0.081	0.072	0.071	0.076
Nitrogen Dioxide (NO_2) [1]					
State 1-Hour ≥ 0.18 ppm (days exceed threshold)	0	0	0	0	0
Federal 1-Hour ≥ 0.100 ppm (days exceed threshold)	0	0	0	0	0
Max. 1-Hour Conc. (ppm)	0.070	0.068	0.074	0.064	0.099
Coarse Particulates (PM_{10}) [2]					
State 24-Hour > 50 µg/m³ (days exceed threshold)	20	38	30	*	*
Federal 24-Hour > 150 µg/m³ (days exceed threshold)	0	0	0	0	0
Max. 24-Hour Conc. (µg/m³)	57	66	73	64	65
Fine Particulates ($PM_{2.5}$) [1]					
Federal 24-Hour > 35 µg/m³ (days exceed threshold)	1	1	3	1	5
Max. 24-Hour Conc. (µg/m³)	52.1	35.8	41.3	36.3	66.7

Source: CARB 2018a.
ppm: parts per million; parts per billion, µg/m³: micrograms per cubic meter
Notes: * Data not available.
[1] Data obtained from the Compton-700 North Bullis Road.
[2] Data obtained from the Los Angeles-North Main Street.

Sensitive Receptors

Some land uses are considered more sensitive to air pollution than others due to the types of population groups or activities involved. Sensitive population groups include children, the elderly, the acutely ill, and the chronically ill, especially those with cardio-respiratory diseases.

Residential areas are also considered to be sensitive receptors to air pollution because residents (including children and the elderly) tend to be at home for extended periods of time, resulting in sustained exposure to any pollutants present. Schools are also considered sensitive receptors, as children are present for extended durations and engage in regular outdoor activities. Recreational land uses are considered moderately sensitive to air pollution. Although exposure periods are generally short, exercise places a high demand on respiratory functions, which can be impaired by air pollution. In addition, noticeable air pollution can detract from the enjoyment of recreation. Industrial and commercial areas are considered the least sensitive to air pollution. Exposure periods are relatively short and intermittent, as the majority of the workers tend to stay indoors most of the time. In addition, the working population is generally the healthiest segment of the public. The nearest sensitive receptors to the proposed project site are the adjacent residences to the west of the project in the addition to the residences to the north across Clara Street, to the south across Elizabeth Street, and to the east across the adjacent local park.

Methodology

Projected construction-related air pollutant emissions are calculated using the California Emissions Estimator Model (CalEEMod), Version 2016.3.2. CalEEMod compiles an emissions inventory of construction (fugitive dust, off-gas emissions, on-road emissions, and off-road emissions), area sources, indirect emissions from energy use, mobile sources, indirect emissions from waste disposal (annual only), and indirect emissions from water/wastewater (annual only) use. The calculated emissions of the project are compared to thresholds of significance for individual projects using the SCAQMD's CEQA Air Quality Analysis Guidance Handbook.

Thresholds of Significance

The analysis of the proposed project's air quality impacts follows the guidance and methodologies recommended in SCAQMD's *CEQA Air Quality Handbook* and the significance thresholds on SCAQMD's website (SCAQMD 1993).[7] CEQA allows the significance criteria established by the applicable air quality management or air pollution control district to be used to assess impacts of a project on air quality. SCAQMD has established thresholds of significance for regional air quality emissions for construction activities and project operation. In addition to the daily thresholds listed above, projects are also subject to the AAQS. These are addressed though an analysis of localized CO impacts and localized significance thresholds (LSTs).

REGIONAL SIGNIFICANCE THRESHOLDS

SCAQMD has adopted regional construction and operational emissions thresholds to determine a project's cumulative impact on air quality in the SoCAB. Table 4 lists SCAQMD's regional significance thresholds that are applicable for all projects uniformly regardless of size or scope. There is growing evidence that although ultrafine particulates contribute a very small portion of the overall atmospheric mass concentration, they represent a greater proportion of the health risk from PM. However, the EPA or CARB have not yet adopted AAQS to regulate ultrafine particulates; therefore, SCAQMD has not developed thresholds for them.

[7] SCAQMD's Air Quality Significance Thresholds are current as of March 2015 and can be found here: http://www.aqmd.gov/ceqa/hdbk.html.

Table 4 SCAQMD Significance Thresholds

Air Pollutant	Construction Phase	Operational Phase
Reactive Organic Gases (ROGs)/ Volatile Organic Compounds (VOCs)	75 lbs/day	55 lbs/day
Nitrogen Oxides (NO_X)	100 lbs/day	55 lbs/day
Carbon Monoxide (CO)	550 lbs/day	550 lbs/day
Sulfur Oxides (SO_X)	150 lbs/day	150 lbs/day
Particulates (PM_{10})	150 lbs/day	150 lbs/day
Particulates ($PM_{2.5}$)	55 lbs/day	55 lbs/day

Source: SCAQMD 2015b.

Projects that exceed the regional significance threshold contribute to the nonattainment designation of the SoCAB. The attainment designations are based on the AAQS, which are set at levels of exposure that are determined to not result in adverse health. Exposure to fine particulate pollution and ozone causes myriad health impacts, particularly to the respiratory and cardiovascular systems:

- Linked to increased cancer risk ($PM_{2.5}$, TACs)
- Aggravates respiratory disease (O_3, $PM_{2.5}$)
- Increases bronchitis (O_3, $PM_{2.5}$)
- Causes chest discomfort, throat irritation, and increased effort to take a deep breath (O_3)
- Reduces resistance to infections and increases fatigue (O_3)
- Reduces lung growth in children ($PM_{2.5}$)
- Contributes to heart disease and heart attacks ($PM_{2.5}$)
- Contributes to premature death (O_3, $PM_{2.5}$)
- Linked to lower birth weight in newborns ($PM_{2.5}$) (SCAQMD 2015c)

Exposure to fine particulates and ozone aggravates asthma attacks and can amplify other lung ailments such as emphysema and chronic obstructive pulmonary disease. Exposure to current levels of $PM_{2.5}$ is responsible for an estimated 4,300 cardiopulmonary-related deaths per year in the SoCAB. In addition, University of Southern California scientists responsible for a landmark children's health study found that lung growth improved as air pollution declined for children aged 11 to 15 in five communities in the SoCAB (SCAQMD 2015d).

Mass emissions in Table 4 are not correlated with concentrations of air pollutants but contribute to the cumulative air quality impacts in the SoCAB. Therefore, regional emissions from a single project do not single-handedly trigger a regional health impact. SCAQMD is the primary agency responsible for ensuring the health and welfare of sensitive individuals to elevated concentrations of air quality in the SoCAB. To achieve the health-based standards established by the EPA, SCAQMD prepares an AQMP that details regional programs to attain the AAQS.

CO HOTSPOTS

Areas of vehicle congestion have the potential to create pockets of CO called hot spots. These pockets have the potential to exceed the state one-hour standard of 20 ppm or the eight-hour standard of 9 ppm. Because CO is produced in greatest quantities from vehicle combustion and does not readily disperse into the atmosphere, adherence to ambient air quality standards is typically demonstrated through an analysis of localized CO concentrations. Hot spots are typically produced at intersections, where traffic congestion is highest because vehicles queue for longer periods and are subject to reduced speeds. With the turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities, CO concentrations in the SoCAB and in the state have steadily declined.

In 2007, the SoCAB was designated in attainment for CO under both the California AAQS and National AAQS. The CO hot spot analysis conducted for the attainment by SCAQMD for busiest intersections in Los Angeles during the peak morning and afternoon periods plan did not predict a violation of CO standards. [8] As identified in SCAQMD's 2003 AQMP and the 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan), peak carbon monoxide concentrations in the SoCAB in previous years, prior to redesignation, were a result of unusual meteorological and topographical conditions and not a result of congestion at a particular intersection. Under existing and future vehicle emission rates, a project would have to increase traffic volumes at a single intersection by more than 44,000 vehicles per hour—or 24,000 vehicles per hour where vertical and/or horizontal air does not mix—in order to generate a significant CO impact (BAAQMD 2017).

LOCALIZED SIGNIFICANCE THRESHOLDS

SCAQMD developed LSTs for emissions of NO_2, CO, PM_{10}, and $PM_{2.5}$ generated at the project site (offsite mobile-source emissions are not included in the LST analysis). LSTs represent the maximum emissions at a project site that are not expected to cause or contribute to an exceedance of the most stringent federal or state AAQS and are shown in Table 5.

[8] The four intersections were: Long Beach Boulevard and Imperial Highway; Wilshire Boulevard and Veteran Avenue; Sunset Boulevard and Highland Avenue; and La Cienega Boulevard and Century Boulevard. The busiest intersection evaluated (Wilshire and Veteran) had a daily traffic volume of approximately 100,000 vehicles per day with LOS E in the morning peak hour and LOS F in the evening peak hour.

Table 5 SCAQMD Localized Significance Thresholds

Air Pollutant (Relevant AAQS)	Concentration
1-Hour CO Standard (CAAQS)	20 ppm
8-Hour CO Standard (CAAQS)	9.0 ppm
1-Hour NO_2 Standard (CAAQS)	0.18 ppm
Annual NO_2 Standard (CAAQS)	0.03 ppm
24-Hour PM_{10} Standard – Construction (SCAQMD)[1]	10.4 µg/m^3
24-Hour $PM_{2.5}$ Standard – Construction (SCAQMD)[1]	10.4 µg/m^3
24-Hour PM_{10} Standard – Operation (SCAQMD)[1]	2.5 µg/m^3
24-Hour $PM_{2.5}$ Standard – Operation (SCAQMD)[1]	2.5 µg/m^3

Source: SCAQMD 2015b.
ppm – parts per million; µg/m^3 – micrograms per cubic meter
[1] Threshold is based on SCAQMD Rule 403. Since the SoCAB is in nonattainment for PM_{10} and $PM_{2.5}$, the threshold is established as an allowable change in concentration. Therefore, background concentration is irrelevant.

To assist lead agencies, SCAQMD developed screening-level LSTs to back-calculate the mass amount (lbs. per day) of emissions generated onsite that would trigger the levels shown in Table 5 for projects under 5-acres. These "screening-level" LSTs tables are the localized significance thresholds for all projects of five acres and less; however, it can be used as screening criteria for larger projects to determine whether or not dispersion modeling may be required to compare concentrations of air pollutants generated by the project to the localized concentrations shown in Table 5.

In accordance with SCAQMD's LST methodology, the screening-level construction LSTs are based on the acreage disturbed per day based on equipment use. The screening-level construction LSTs for the project site in SRA 12 are shown in Table 6.

Table 6 SCAQMD Screening-Level Construction Localized Significance Thresholds

	Threshold (lbs/day)			
Acreage Disturbed	Nitrogen Oxides (NO_X)[1]	Carbon Monoxide (CO)[1]	Coarse Particulates (PM_{10})[2]	Fine Particulates ($PM_{2.5}$)[2]
≤1.00 Acres Disturbed Per Day	46	231	4	3
1.31 Acres Disturbed Per Day	52	267	4.94	3.31
1.50 Acres Disturbed Per Day	56	288	5.50	3.50
1.81 Acres Disturbed Per Day	61	324	6.43	3.81
2.50 Acres Disturbed Per Day	71	393	8.00	4.50
3.50 Acres Disturbed Per Day	82	488	9.99	5.50

Source: SCAQMD 2008b; SCAQMD 2011, Based on receptors in SRA 12.
[1] LSTs are based on sensitive receptors within 82 feet (25 meters).

GREENHOUSE GAS EMISSIONS

Scientists have concluded that human activities are contributing to global climate change by adding large amounts of heat-trapping gases, known as GHG, to the atmosphere. Climate change is the variation of Earth's climate over time, whether due to natural variability or as a result of human activities. The primary source of these GHG is fossil fuel use. The Intergovernmental Panel on Climate Change (IPCC) has identified four major GHG—water vapor,[9] carbon (CO_2), methane (CH_4), and ozone (O_3)—that are the likely cause of an increase in global average temperatures observed within the 20th and 21st centuries. Other GHG identified by the IPCC that contribute to global warming to a lesser extent include nitrous oxide (N_2O), sulfur hexafluoride (SF_6), hydrofluorocarbons, perfluorocarbons, and chlorofluorocarbons (IPCC 2001).[10] The major GHG are briefly described below.

- **Carbon dioxide (CO_2)** enters the atmosphere through the burning of fossil fuels (oil, natural gas, and coal), solid waste, trees and wood products, and respiration, and also as a result of other chemical reactions (e.g. manufacture of cement). Carbon dioxide is removed from the atmosphere (sequestered) when it is absorbed by plants as part of the biological carbon cycle.

- **Methane (CH_4)** is emitted during the production and transport of coal, natural gas, and oil. Methane emissions also result from livestock and other agricultural practices and from the decay of organic waste in municipal landfills and water treatment facilities.

- **Nitrous oxide (N_2O)** is emitted during agricultural and industrial activities as well as during combustion of fossil fuels and solid waste.

- **Fluorinated gases** are synthetic, strong GHGs that are emitted from a variety of industrial processes. Fluorinated gases are sometimes used as substitutes for ozone-depleting substances. These gases are typically emitted in smaller quantities, but because they are potent GHGs, they are sometimes referred to as high global-warming-potential (GWP) gases.

    - ***Chlorofluorocarbons (CFCs***) are GHGs covered under the 1987 Montreal Protocol and used for refrigeration, air conditioning, packaging, insulation, solvents, or aerosol propellants. Since they are not destroyed in the lower atmosphere (troposphere, stratosphere), CFCs drift into the upper atmosphere where, given suitable conditions, they break down ozone. These gases are also ozone-depleting gases and are therefore being replaced by other compounds that are GHGs covered under the Kyoto Protocol.

[9] Water vapor (H_2O) is the strongest GHG and the most variable in its phases (vapor, cloud droplets, ice crystals). However, water vapor is not considered a pollutant, but part of the feedback loop o rather than a primary cause of change.

[10] Black carbon contributes to climate change both directly, by absorbing sunlight, and indirectly, by depositing on snow (making it melt faster) and by interacting with clouds and affecting cloud formation. Black carbon is the most strongly light-absorbing component of particulate matter (PM) emitted from burning fuels such as coal, diesel, and biomass. Reducing black carbon emissions globally can have immediate economic, climate, and public health benefits. California has been an international leader in reducing emissions of black carbon, with close to 95 percent control expected by 2020 due to existing programs that target reducing PM from diesel engines and burning activities (CARB 2017b). However, state and national GHG inventories do not yet include black carbon due to ongoing work resolving the precise global warming potential of black carbon. Guidance for CEQA documents does not yet include black carbon.

- ***Perfluorocarbons (PFCs)*** are a group of human-made chemicals composed of carbon and fluorine only. These chemicals (predominantly perfluoromethane [CF_4] and perfluoroethane [C_2F_6]) were introduced as alternatives, along with HFCs, to the ozone-depleting substances. In addition, PFCs are emitted as by-products of industrial processes and are used in manufacturing. PFCs do not harm the stratospheric ozone layer, but they have a high global warming potential.

- ***Sulfur Hexafluoride (SF_6)*** is a colorless gas soluble in alcohol and ether, slightly soluble in water. SF_6 is a strong GHG used primarily in electrical transmission and distribution systems as an insulator.

- ***Hydrochlorofluorocarbons (HCFCs)*** contain hydrogen, fluorine, chlorine, and carbon atoms. Although ozone-depleting substances, they are less potent at destroying stratospheric ozone than CFCs. They have been introduced as temporary replacements for CFCs and are also GHGs.

- ***Hydrofluorocarbons (HFCs)*** contain only hydrogen, fluorine, and carbon atoms. They were introduced as alternatives to ozone-depleting substances to serve many industrial, commercial, and personal needs. HFCs are emitted as by-products of industrial processes and are also used in manufacturing. They do not significantly deplete the stratospheric ozone layer, but they are strong GHGs (IPCC 2001; USEPA 2018b).

GHGs are dependent on the lifetime or persistence of the gas molecule in the atmosphere. Some GHGs have stronger greenhouse effects than others. These are referred to as high GWP gases. The GWP of GHG emissions are shown in Table 7. The GWP is used to convert GHGs to CO_2-equivalence (CO_2e) to show the relative potential that different GHGs have to retain infrared radiation in the atmosphere and contribute to the greenhouse effect. For example, under IPCC's Fourth Assessment Report (AR4) GWP values for CH_4, a project that generates 10 metric tons (MT) of CH_4 would be equivalent to 250 MT of CO_2.[11]

Table 7 GHG Emissions and Their Relative Global Warming Potential Compared to CO_2

GHGs	Second Assessment Report Atmospheric Lifetime (Years)	Fourth Assessment Report Atmospheric Lifetime (Years)	Second Assessment Report Global Warming Potential Relative to CO_2[1]	Fourth Assessment Report Global Warming Potential Relative to CO_2[1]
Carbon Dioxide (CO_2)	50 to 200	50 to 200	1	1
Methane[2] (CH_4)	12 (±3)	12	21	25
Nitrous Oxide (N_2O)	120	114	310	298
Hydrofluorocarbons:				
HFC-23	264	270	11,700	14,800
HFC-32	5.6	4.9	650	675
HFC-125	32.6	29	2,800	3,500
HFC-134a	14.6	14	1,300	1,430
HFC-143a	48.3	52	3,800	4,470
HFC-152a	1.5	1.4	140	124
HFC-227ea	36.5	34.2	2,900	3,220
HFC-236fa	209	240	6,300	9,810
HFC-4310mee	17.1	15.9	1,300	1,030
Perfluoromethane: CF_4	50,000	50,000	6,500	7,390
Perfluoroethane: C_2F_6	10,000	10,000	9,200	12,200
Perfluorobutane: C_4F_{10}	2,600	NA	7,000	8,860
Perfluoro-2-methylpentane: C_6F_{14}	3,200	NA	7,400	9,300
Sulfur Hexafluoride (SF_6)	3,200	NA	23,900	22,800

Source: IPCC 1995; IPCC 2007.

Notes: The GWP values in the IPCC's Fifth Assessment Report (2013) reflect new information on atmospheric lifetimes of GHGs and an improved calculation of the radiative forcing of CO_2. However, SCAQMD uses the AR4 GWP values to maintain consistency in statewide GHG emissions modeling. In addition, the 2017 Scoping Plan Update was based on the AR4 GWP values.

1 Based on 100-year time horizon of the GWP of the air pollutant relative to CO_2.

2 The methane GWP includes direct effects and indirect effects due to the production of tropospheric ozone and stratospheric water vapor. The indirect effect due to the production of CO_2 is not included.

California's Greenhouse Gas Sources and Relative Contribution

In 2018, the statewide GHG emissions inventory was updated for 2000 to 2016 emissions using the GWPs in IPCC's AR4.[12] Based on these GWPs, California produced 429.4 $MMTCO_2e$ GHG emissions in 2016. California's transportation sector was the single largest generator of GHG emissions, producing 40.5 percent of the state's total emissions. Industrial sector emissions made up 23.4 percent, and electric power generation made up 16.1 percent of the state's emissions inventory. Other major sectors of GHG emissions include commercial and residential (12.0 percent), agriculture and forestry (7.9 percent) and other (solvents and chemicals at 0.2 percent), (CARB 2018b).

California's GHG emissions have followed a declining trend since 2007. In 2016, emissions from routine GHG emitting activities statewide were 429 $MMTCO_2e$, or 12 $MMTCO_2e$ lower than 2015 levels. This represents an overall decrease of 13 percent since peak levels in 2004 and 2 $MMTCO_2e$ below the 1990 level

[12] Methodology for determining the statewide GHG inventory is not the same as the methodology used to determine statewide GHG emissions under Assembly Bill 32 (2006).

and the state's 2020 GHG target. During the 2000 to 2016 period, per capita GHG emissions in California have continued to drop from a peak in 2001 of 14.0 $MTCO_2e$ per capita to 10.8 $MTCO_2e$ per capita in 2016, a 23 percent decrease. Overall trends in the inventory also demonstrate that the carbon intensity of California's economy (the amount of carbon pollution per million dollars of gross domestic product (GDP)) is declining, representing a 38 percent decline since the 2001 peak, while the state's GDP has grown 41 percent during this period (CARB 2018c).

Regulatory Settings

REGULATION OF GHG EMISSIONS ON A NATIONAL LEVEL

The U.S. Environmental Protection Agency (EPA) announced on December 7, 2009, that GHG emissions threaten the public health and welfare of the American people and that GHG emissions from on-road vehicles contribute to that threat. The EPA's final findings respond to the 2007 U.S. Supreme Court decision that GHG emissions fit within the Clean Air Act definition of air pollutants. The findings do not in and of themselves impose any emission reduction requirements, but allow the EPA to finalize the GHG standards proposed in 2009 for new light-duty vehicles as part of the joint rulemaking with the Department of Transportation (USEPA 2009).

To regulate GHGs from passenger vehicles, EPA was required to issue an endangerment finding. The finding identifies emissions of six key GHGs—CO_2, CH_4, N_2O, hydrofluorocarbons, perfluorocarbons, and SF_6—that have been the subject of scrutiny and intense analysis for decades by scientists in the United States and around the world. The first three are applicable to the project's GHG emissions inventory because they constitute the majority of GHG emissions and, per South Coast Air Quality Management District guidance, are the GHG emissions that should be evaluated as part of a project's GHG emissions inventory.

US Mandatory Report Rule for GHGs (2009)

In response to the endangerment finding, the EPA issued the Mandatory Reporting of GHG Rule that requires substantial emitters of GHG emissions (large stationary sources, etc.) to report GHG emissions data. Facilities that emit 25,000 MT or more of CO_2 per year are required to submit an annual report.

Update to Corporate Average Fuel Economy Standards (2010/2012)

The current Corporate Average Fuel Economy standards (for model years 2011 to 2016) incorporate stricter fuel economy requirements promulgated by the federal government and California into one uniform standard. Additionally, automakers are required to cut GHG emissions in new vehicles by roughly 25 percent by 2016 (resulting in a fleet average of 35.5 miles per gallon by 2016). Rulemaking to adopt these new standards was completed in 2010. California agreed to allow automakers who show compliance with the national program to also be deemed in compliance with state requirements. The federal government issued new standards in 2012 for model years 2017–2025 that will require a fleet average of 54.5 miles per gallon in 2025. However, the EPA is reexamining the 2017-2025 emissions standards.

EPA Regulation of Stationary Sources under the Clean Air Act (Ongoing)

Pursuant to its authority under the Clean Air Act, the EPA has been developing regulations for new stationary sources such as power plants, refineries, and other large sources of emissions. Pursuant to former President Obama's 2013 Climate Action Plan, the EPA was directed to develop regulations for existing stationary sources also. However, the EPA is reviewing the Clean Power Plan under President Trump's Energy Independence Executive Order.

REGULATION OF GHG EMISSIONS ON A STATE LEVEL

Current State of California guidance and goals for reductions in GHG emissions are generally embodied in Executive Order S-3-05, Executive Order B-30-15, Assembly Bill 32 (AB 32), Senate Bill 32 (SB 32) and Senate Bill 375 (SB 375).

Executive Order S-3-05

Executive Order S-3-05, signed June 1, 2005. Executive Order S-3-05 set the following GHG reduction targets for the State:

- 2000 levels by 2010
- 1990 levels by 2020
- 80 percent below 1990 levels by 2050

Assembly Bill 32, the Global Warming Solutions Act (2006)

Current State of California guidance and goals for reductions in GHG emissions are generally embodied in AB 32. AB 32 was passed by the California state legislature on August 31, 2006, to place the state on a course toward reducing its contribution of GHG emissions. AB 32 follows the 2020 tier of emissions reduction targets established in Executive Order S-03-05.

CARB 2008 Scoping Plan

The final Scoping Plan was adopted by CARB on December 11, 2008. The *2008 Scoping Plan* identified that GHG emissions in California are anticipated to be approximately 596 $MMTCO_2e$ in 2020. In December 2007, CARB approved a 2020 emissions limit of 427 $MMTCO_2e$ (471 million tons) for the state (CARB 2008). In order to effectively implement the emissions cap, AB 32 directed CARB to establish a mandatory reporting system to track and monitor GHG emissions levels for large stationary sources that generate more than 25,000 $MTCO_2e$ per year, prepare a plan demonstrating how the 2020 deadline can be met, and develop appropriate regulations and programs to implement the plan by 2012.

First Update to the Scoping Plan

CARB completed a five-year update to the 2008 Scoping Plan, as required by AB 32. The First Update to the Scoping Plan was adopted at the May 22, 2014, board hearing. The update highlights California's progress toward meeting the near-term 2020 GHG emission reduction goals defined in the original 2008 Scoping Plan. As part of the update, CARB recalculated the 1990 GHG emission levels with the updated AR4 GWPs, and

the 427 $MMTCO_2e$ 1990 emissions level and 2020 GHG emissions limit, established in response to AB 32, is slightly higher at 431 $MMTCO_2e$ (CARB 2014).

As identified in the Update to the Scoping Plan, California is on track to meeting the goals of AB 32. However, the update also addresses the state's longer-term GHG goals within a post-2020 element. The post-2020 element provides a high level view of a long-term strategy for meeting the 2050 GHG goals, including a recommendation for the state to adopt a midterm target. According to the Update to the Scoping Plan, local government reduction targets should chart a reduction trajectory that is consistent with or exceeds the trajectory created by statewide goals (CARB 2014). CARB identified that reducing emissions to 80 percent below 1990 levels will require a fundamental shift to efficient, clean energy in every sector of the economy. Progressing toward California's 2050 climate targets will require significant acceleration of GHG reduction rates. Emissions from 2020 to 2050 will have to decline several times faster than the rate needed to reach the 2020 emissions limit (CARB 2014).

Executive Order B-30-15

Executive Order B-30-15, signed April 29, 2015, sets a goal of reducing GHG emissions in the state to 40 percent of 1990 levels by year 2030. Executive Order B-30-15 also directs CARB to update the Scoping Plan to quantify the 2030 GHG reduction goal for the state and requires state agencies to implement measures to meet the interim 2030 goal as well as the long-term goal for 2050 in Executive Order S-03-05. It also requires the Natural Resources Agency to conduct triennial updates of the California adaption strategy, Safeguarding California, in order to ensure climate change is accounted for in state planning and investment decisions.

Senate Bill 32 and Assembly Bill 197

In September 2016, Governor Brown signed SB 32 and AB 197 into law, making the Executive Order goal for year 2030 into a statewide mandated legislative target. AB 197 established a joint legislative committee on climate change policies and requires the CARB to prioritize direction emissions reductions rather than the market-based cap-and-trade program for large stationary, mobile, and other sources.

2017 Climate Change Scoping Plan Update

Executive Order B-30-15 and SB 32 required CARB to prepare another update to the Scoping Plan to address the 2030 target for the state. On December 24, 2017, CARB adopted the 2017 Climate Change Scoping Plan Update, which outlines potential regulations and programs, including strategies consistent with AB 197 requirements, to achieve the 2030 target. The 2017 Scoping Plan establishes a new emissions limit of 260 $MMTCO_2e$ for the year 2030, which corresponds to a 40 percent decrease in 1990 levels by 2030 (CARB 2017c).

California's climate strategy will require contributions from all sectors of the economy, including enhanced focus on zero- and near-zero emission (ZE/NZE) vehicle technologies; continued investment in renewables, such as solar roofs, wind, and other types of distributed generation; greater use of low carbon fuels; integrated land conservation and development strategies; coordinated efforts to reduce emissions of short-lived climate pollutants (methane, black carbon, and fluorinated gases); and an increased focus on integrated land use planning, to support livable, transit-connected communities and conservation of agricultural and

other lands. Requirements for GHG reductions at stationary sources complement local air pollution control efforts by the local air districts to tighten criteria air pollutants and TACs emissions limits on a broad spectrum of industrial sources. Major elements of the 2017 Scoping Plan framework include:

- Implementing and/or increasing the standards of the Mobile Source Strategy, which include increasing ZEV buses and trucks;
- Low Carbon Fuel Standard (LCFS), with an increased stringency (18 percent by 2030).
- Implementation of SB 350, which expands the Renewables Portfolio Standard (RPS) to 50 percent RPS and doubles energy efficiency savings by 2030.
- California Sustainable Freight Action Plan, which improves freight system efficiency, utilizes near-zero emissions technology, and deployment of ZEV trucks.
- Implementing the proposed Short-Lived Climate Pollutant Strategy (SLPS), which focuses on reducing methane and hydroflurocarbon emissions by 40 percent and anthropogenic black carbon emissions by 50 percent by year 2030.
- Post-2020 Cap-and-Trade Program that includes declining caps.
- Continued implementation of SB 375.
- Development of a Natural and Working Lands Action Plan to secure California's land base as a net carbon sink.

In addition to the statewide strategies listed above, the 2017 Climate Change Scoping Plan also identified local governments as essential partners in achieving the State's long-term GHG reduction goals and identified local actions to reduce GHG emissions. As part of the recommended actions, CARB recommends statewide targets of no more than 6 $MTCO_2e$ or less per capita by 2030 and 2 $MTCO_2e$ or less per capita by 2050. CARB recommends that local governments evaluate and adopt robust and quantitative locally-appropriate goals that align with the statewide per capita targets and the State's sustainable development objectives and develop plans to achieve the local goals. The statewide per capita goals were developed by applying the percent reductions necessary to reach the 2030 and 2050 climate goals (i.e., 40 percent and 80 percent, respectively) to the State's 1990 emissions limit established under AB 32. For CEQA projects, CARB states that lead agencies have discretion to develop evidenced-based numeric thresholds (mass emissions, per capita, or per service population)—consistent with the Scoping Plan and the state's long-term GHG goals. To the degree a project relies on GHG mitigation measures, CARB recommends that lead agencies prioritize on-site design features that reduce emissions, especially from VMT, and direct investments in GHG reductions within the project's region that contribute potential air quality, health, and economic co-benefits. Where further project design or regional investments are infeasible or not proven to be effective, CARB recommends mitigating potential GHG impacts through purchasing and retiring carbon credits.

The Scoping Plan scenario is set against what is called the business-as-usual (BAU) yardstick—that is, what would the GHG emissions look like if the State did nothing at all beyond the existing policies that are required and already in place to achieve the 2020 limit, as shown in Table 8. It includes the existing renewables requirements, advanced clean cars, the "10 percent" Low Carbon Fuel Standard (LCFS), and the SB 375 program for more vibrant communities, among others. However, it does not include a range of new policies or measures that have been developed or put into statute over the past two years. Also shown in the table, the known commitments are expected to result in emissions that are 60 $MMTCO_2e$ above the target in 2030. If the estimated GHG reductions from the known commitments are not realized due to delays in implementation or technology deployment, the post-2020 Cap-and-Trade Program would deliver the additional GHG reductions in the sectors it covers to ensure the 2030 target is achieved.

Table 8 2017 Climate Change Scoping Plan Emissions Reductions Gap

Modeling Scenario	2030 GHG Emissions $MMTCO_2e$
Reference Scenario (Business-as-Usual)	389
With Known Commitments	320
2030 GHG Target	**260**
Gap to 2030 Target	**60**

Source: CARB 2017c.

Table 9 provides estimated GHG emissions by sector, compared to 1990 levels, and the range of GHG emissions for each sector estimated for 2030.

Table 9 2017 Climate Change Scoping Plan Emissions Change by Sector

Scoping Plan Sector	1990 $MMTCO_2e$	2030 Proposed Plan Ranges $MMTCO_2e$	% Change from 1990
Agricultural	26	24-25	-8% to -4%
Residential and Commercial	44	38-40	-14% to -9%
Electric Power	108	30-53	-72% to -51%
High GWP	3	8-11	267% to 367%
Industrial	98	83-90	-15% to -8%
Recycling and Waste	7	8-9	14% to 29%
Transportation (including TCU)	152	103-111	-32% to -27%
Net Sink[1]	-7	TBD	TBD
Sub Total	431	294-339	-32% to -21%
Cap-and-Trade Program	NA	24-79	NA
Total	**431**	**260**	**-40%**

Source: CARB 2017c.
Notes: TCU = Transportation, Communications, and Utilities; TBD: To Be Determined.
[1] Work is underway through 2017 to estimate the range of potential sequestration benefits from the natural and working lands sector.

Senate Bill 1383

On September 19, 2016, the Governor signed SB 1383 to supplement the GHG reduction strategies in the Scoping Plan to consider short-lived climate pollutants, including black carbon and CH_4. Black carbon is the light-absorbing component of fine particulate matter produced during incomplete combustion of fuels. SB 1383 requires the state board, no later than January 1, 2018, to approve and begin implementing that comprehensive strategy to reduce emissions of short-lived climate pollutants to achieve a reduction in methane by 40 percent, hydrofluorocarbon gases by 40 percent, and anthropogenic black carbon by 50 percent below 2013 levels by 2030, as specified. The bill also establishes targets for reducing organic waste in landfill. On March 14, 2017, CARB adopted the "Final Proposed Short-Lived Climate Pollutant Reduction Strategy," which identifies the state's approach to reducing anthropogenic and biogenic sources of short-lived climate pollutants. Anthropogenic sources of black carbon include on- and off-road transportation, residential wood burning, fuel combustion (charbroiling), and industrial processes. According to CARB, ambient levels of black carbon in California are 90 percent lower than in the early 1960s despite the tripling of diesel fuel use (CARB 2017b). In-use on-road rules are expected to reduce black carbon emissions from on-road sources by 80 percent between 2000 and 2020. SCAQMD is one of the air districts that requires air pollution control technologies for chain-driven broilers, which reduces particulate emissions from these char broilers by over 80 percent (CARB 2017b). Additionally, SCAQMD Rule 445 limits installation of new fireplaces in the SoCAB.

Senate Bill 375

In 2008, SB 375, the Sustainable Communities and Climate Protection Act, was adopted to connect the GHG emissions reductions targets established in the 2008 Scoping Plan for the transportation sector to local land use decisions that affect travel behavior. Its intent is to reduce GHG emissions from light-duty trucks and automobiles (excludes emissions associated with goods movement) by aligning regional long-range transportation plans, investments, and housing allocations to local land use planning to reduce VMT and vehicle trips. Specifically, SB 375 required CARB to establish GHG emissions reduction targets for each of the 18 metropolitan planning organizations (MPOs). The Southern California Association of Governments (SCAG) is the MPO for the Southern California region, which includes the counties of Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial.

Pursuant to the recommendations of the Regional Transportation Advisory Committee, CARB adopted per capita reduction targets for each of the MPOs rather than a total magnitude reduction target. SCAG's targets are an 8 percent per capita reduction from 2005 GHG emission levels by 2020 and a 13 percent per capita reduction from 2005 GHG emission levels by 2035 (CARB 2010). The 2020 targets are smaller than the 2035 targets because a significant portion of the built environment in 2020 has been defined by decisions that have already been made. In general, the 2020 scenarios reflect that more time is needed for large land use and transportation infrastructure changes. Most of the reductions in the interim are anticipated to come from improving the efficiency of the region's transportation network. The targets would result in 3 $MMTCO_2e$ of reductions by 2020 and 15 $MMTCO_2e$ of reductions by 2035. Based on these reductions, the passenger vehicle target in CARB's Scoping Plan (for AB 32) would be met (CARB 2010).

2017 Update to the SB 375 Targets

CARB is required to update the targets for the MPOs every eight years. In June 2017, CARB released updated targets and technical methodology and recently released another update in February 2018. The updated targets consider the need to further reduce VMT, as identified in the 2017 Scoping Plan Update, while balancing the need for additional and more flexible revenue sources to incentivize positive planning and action toward sustainable communities. Like the 2010 targets, the updated SB 375 targets are in units of percent per capita reduction in GHG emissions from automobiles and light trucks relative to 2005. This excludes reductions anticipated from implementation of state technology and fuels strategies and any potential future state strategies such as statewide road user pricing. The proposed targets call for greater per capita GHG emission reductions from SB 375 than are currently in place, which for 2035, translate into proposed targets that either match or exceed the emission reduction levels in the MPOs' currently adopted SCSs. As proposed, CARB staff's proposed targets would result in an additional reduction of over 8 $MMTCO_2e$ in 2035 compared to the current targets. For the next round of SCS updates, CARB's updated targets for the SCAG region are an 8 percent per capita GHG reduction in 2020 from 2005 levels (unchanged from the 2010 target) and a 19 percent per capita GHG reduction in 2035 from 2005 levels (compared to the 2010 target of 13 percent) (CARB 2018b). CARB adopted the updated targets and methodology on March 22, 2018. All SCSs adopted after October 1, 2018 are subject to these new targets.

SCAG's 2016-2040 RTP/SCS

SB 375 requires each MPO to prepare an SCS in their regional transportation plan. For the SCAG region, the 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) was adopted on April 7, 2016, and is an update to the 2012 RTP/SCS (SCAG 2016). In general, the SCS outlines a development pattern for the region, which, when integrated with the transportation network and other transportation measures and policies, would reduce vehicle miles traveled from automobiles and light duty trucks and thereby reduce GHG emissions from these sources.

The 2016-2040 RTP/SCS projects that the SCAG region will meet or exceed the passenger per capita targets set in 2010 by CARB. It is projected that VMT per capita in the region for year 2040 would be reduced by 7.4 percent with implementation of the 2016-2040 RTP/SCS compared to a no-plan year 2040 scenario. Under the 2016-2040 RTP/SCS, SCAG anticipates lowering GHG emissions 8 percent below 2005 levels by 2020, 18 percent by 2035, and 21 percent by 2040. The 18 percent reduction by 2035 over 2005 levels represents a 2 percent increase in reduction compared to the 2012 RTP/SCS projection. Overall, the SCS is meant to provide growth strategies that will achieve the aforementioned regional GHG emissions reduction targets. Land use strategies to achieve the region's targets include planning for new growth around high quality transit areas and livable corridors, and creating neighborhood mobility areas to integrate land use and transportation and plan for more active lifestyles (SCAG 2016). However, the SCS does not require that local general plans, specific plans, or zoning be consistent with the SCS; instead, it provides incentives to governments and developers for consistency.

Assembly Bill 1493

California vehicle GHG emission standards were enacted under AB 1493 (Pavley I). Pavley I is a clean-car standard that reduces GHG emissions from new passenger vehicles (light-duty auto to medium-duty vehicles) from 2009 through 2016 and was anticipated to reduce GHG emissions from new passenger vehicles by 30 percent in 2016. California implements the Pavley I standards through a waiver granted to California by the EPA. In 2012, the EPA issued a Final Rulemaking that sets even more stringent fuel economy and GHG emissions standards for model year 2017 through 2025 light-duty vehicles (see also the discussion on the update to the Corporate Average Fuel Economy standards under *Federal Laws*, above). In January 2012, CARB approved the Advanced Clean Cars program (formerly known as Pavley II) for model years 2017 through 2025. The program combines the control of smog, soot, and global warming gases and requirements for greater numbers of zero-emission vehicles into a single package of standards. Under California's Advanced Clean Car program, by 2025, new automobiles will emit 34 percent fewer global warming gases and 75 percent fewer smog-forming emissions.

Executive Order S-01-07

On January 18, 2007, the state set a new LCFS for transportation fuels sold in the state. Executive Order S-01-07 sets a declining standard for GHG emissions measured in carbon dioxide equivalent gram per unit of fuel energy sold in California. The LCFS requires a reduction of 2.5 percent in the carbon intensity of California's transportation fuels by 2015 and a reduction of at least 10 percent by 2020. The standard applies to refiners, blenders, producers, and importers of transportation fuels, and would use market-based mechanisms to allow these providers to choose how they reduce emissions during the "fuel cycle" using the most economically feasible methods.

Senate Bills 1078, 107, X1-2, and Executive Order S-14-08

A major component of California's Renewable Energy Program is the RPS established under Senate Bills 1078 (Sher) and 107 (Simitian). Under the RPS, certain retail sellers of electricity were required to increase the amount of renewable energy each year by at least 1 percent in order to reach at least 20 percent by December 30, 2010. Executive Order S-14-08 was signed in November 2008, which expanded the state's Renewable Energy Standard to 33 percent renewable power by 2020. This standard was adopted by the legislature in 2011 (SB X1-2). Renewable sources of electricity include wind, small hydropower, solar, geothermal, biomass, and biogas. The increase in renewable sources for electricity production will decrease indirect GHG emissions from development projects, because electricity production from renewable sources is generally considered carbon neutral.

Senate Bill 350

Senate Bill 350 (de Leon), was signed into law in September 2015. SB 350 establishes tiered increases to the RPS of 40 percent by 2024, 45 percent by 2027, and 50 percent by 2030. SB 350 also set a new goal to double the energy efficiency savings in electricity and natural gas through energy efficiency and conservation measures.

Senate Bill 100

On September 10, 2018, Governor Brown signed SB 100, which raises California's RPS requirements to 60 percent by 2030, with interim targets, and 100 percent by 2045. The bill also establishes a state policy that eligible renewable energy resources and zero-carbon resources supply 100 percent of all retail sales of electricity to California end-use customers and 100 percent of electricity procured to serve all state agencies by December 31, 2045. Under the bill, the state cannot increase carbon emissions elsewhere in the western grid or allow resource shuffling to achieve the 100 percent carbon-free electricity target.

Executive Order B-55-18

Executive Order B-55-18, signed September 10, 2018, sets a goal "to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter." Executive Order B-55-18 directs CARB to work with relevant state agencies to ensure future Scoping Plans identify and recommend measures to achieve the carbon neutrality goal. The goal of carbon neutrality by 2045 is in addition to other statewide goals, meaning not only should emissions be reduced to 80 percent below 1990 levels by 2050, but that, by no later than 2045, the remaining emissions be offset by equivalent net removals of CO_2e from the atmosphere, including through sequestration in forests, soils, and other natural landscapes.

Executive Order B-16-2012

On March 23, 2012, the state identified that CARB, the California Energy Commission (CEC), the Public Utilities Commission, and other relevant agencies worked with the Plug-in Electric Vehicle Collaborative and the California Fuel Cell Partnership to establish benchmarks to accommodate zero-emissions vehicles in major metropolitan areas, including infrastructure to support them (e.g., electric vehicle charging stations). The executive order also directs the number of zero-emission vehicles in California's state vehicle fleet to increase through the normal course of fleet replacement so that at least 10 percent of fleet purchases of light-duty vehicles are zero-emission by 2015 and at least 25 percent by 2020. The executive order also establishes a target for the transportation sector of reducing GHG emissions from the transportation sector 80 percent below 1990 levels.

California Building Code: Building Energy Efficiency Standards

Energy conservation standards for new residential and non-residential buildings were adopted by the California Energy Resources Conservation and Development Commission (now the CEC) in June 1977 and most recently revised in 2016 (Title 24, Part 6, of the California Code of Regulations [CCR]). Title 24 requires the design of building shells and building components to conserve energy. The standards are updated periodically to allow for consideration and possible incorporation of new energy efficiency technologies and methods. On June 10, 2015, the CEC adopted the 2016 Building Energy Efficiency Standards, which went into effect on January 1, 2017.

The 2016 Standards continues to improve upon the previous 2013 Standards for new construction of, and additions and alterations to, residential and nonresidential buildings. Under the 2016 Standards, residential and nonresidential buildings are 28 and 5 percent more energy efficient than the 2013 Standards, respectively (CEC 2015a). Buildings that are constructed in accordance with the 2013 Building Energy Efficiency

Standards are 25 percent (residential) to 30 percent (nonresidential) more energy efficient than the prior 2008 standards as a result of better windows, insulation, lighting, ventilation systems, and other features. While the 2016 standards do not achieve zero net energy, they do get very close to the state's goal and make important steps toward changing residential building practices in California. The 2019 standards will take the final step to achieve zero net energy for newly constructed residential buildings throughout California (CEC 2015b).

The 2019 standards move towards cutting energy use in new homes by more than 50 percent and will require installation of solar photovoltaic systems for single-family homes and multi-family buildings of 3 stories and less. Four key areas the 2019 standards will focus on include 1) smart residential photovoltaic systems; 2) updated thermal envelope standards (preventing heat transfer from the interior to exterior and vice versa); 3) residential and nonresidential ventilation requirements; 4) and nonresidential lighting requirements (CEC 2018a). Under the 2019 standards, nonresidential buildings will be 30 percent more energy efficient compared to the 2016 standards while single-family homes will be 7 percent more energy efficient (CEC 2018b). When accounting for the electricity generated by the solar photovoltaic system, single-family homes would use 53 percent less energy compared to homes built to the 2016 standards (CEC 2018b).

California Building Code: CALGreen

On July 17, 2008, the California Building Standards Commission adopted the nation's first green building standards. The California Green Building Standards Code (24 CCR, Part 11, known as "CALGreen") was adopted as part of the California Building Standards Code. CALGreen established planning and design standards for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants.[13] The mandatory provisions of CALGreen became effective January 1, 2011, and were last updated in 2016. The 2016 CALGreen became effective on January 1, 2017.

2006 Appliance Efficiency Regulations

The 2006 Appliance Efficiency Regulations (20 CCR §§ 1601–1608) were adopted by the CEC on October 11, 2006, and approved by the California Office of Administrative Law on December 14, 2006. The regulations include standards for both federally regulated appliances and non–federally regulated appliances. Though these regulations are now often viewed as "business as usual," they exceed the standards imposed by all other states, and they reduce GHG emissions by reducing energy demand.

Solid Waste Regulations

California's Integrated Waste Management Act of 1989 (AB 939; Public Resources Code §§ 40050 et seq.) set a requirement for cities and counties throughout the state to divert 50 percent of all solid waste from landfills by January 1, 2000, through source reduction, recycling, and composting. In 2008, the requirements were modified to reflect a per capita requirement rather than tonnage. To help achieve this, the act requires that each city and county prepare and submit a source reduction and recycling element. AB 939 also established the goal for all California counties to provide at least 15 years of ongoing landfill capacity.

[13] The green building standards became mandatory in the 2010 edition of the code.

AB 341 (Chapter 476, Statutes of 2011) increased the statewide goal for waste diversion to 75 percent by 2020 and requires recycling of waste from commercial and multifamily residential land uses.

The California Solid Waste Reuse and Recycling Access Act (AB 1327; Public Resources Code §§ 42900 et seq.) requires areas to be set aside for collecting and loading recyclable materials in development projects. The act required the California Integrated Waste Management Board to develop a model ordinance for adoption by any local agency requiring adequate areas for collection and loading of recyclable materials as part of development projects. Local agencies are required to adopt the model or an ordinance of their own.

Section 5.408 of the 2016 CALGreen also requires that at least 65 percent of the nonhazardous construction and demolition waste from nonresidential construction operations be recycled and/or salvaged for reuse.

In October of 2014 Governor Brown signed AB 1826, requiring businesses to recycle their organic waste on and after April 1, 2016, depending on the amount of waste they generate per week. This law also requires that on and after January 1, 2016, local jurisdictions across the state implement an organic waste recycling program to divert organic waste generated by businesses, including multifamily residential dwellings that consist of five or more units. Organic waste means food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed in with food waste.

Water Efficiency Regulations

The 20x2020 Water Conservation Plan was issued by the Department of Water Resources (DWR) in 2010 pursuant to Senate Bill 7, which was adopted during the 7th Extraordinary Session of 2009–2010 and therefore dubbed "SBX7-7." SBX7-7 mandated urban water conservation and authorized the DWR to prepare a plan implementing urban water conservation requirements (20x2020 Water Conservation Plan). In addition, it required agricultural water providers to prepare agricultural water management plans, measure water deliveries to customers, and implement other efficiency measures. SBX7-7 requires urban water providers to adopt a water conservation target of 20 percent reduction in urban per capita water use by 2020 compared to 2005 baseline use.

The Water Conservation in Landscaping Act of 2006 (AB 1881) requires local agencies to adopt the updated DWR model ordinance or equivalent. AB 1881 also requires the CEC to consult with the DWR to adopt, by regulation, performance standards and labeling requirements for landscape irrigation equipment, including irrigation controllers, moisture sensors, emission devices, and valves to reduce the wasteful, uneconomic, inefficient, or unnecessary consumption of energy or water.

Thresholds of Significance

The CEQA Guidelines recommend that a lead agency consider the following when assessing the significance of impacts from GHG emissions on the environment:

1. The extent to which the project may increase (or reduce) GHG emissions as compared to the existing environmental setting;

2. Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project;

3. The extent to which the project complies with regulations or requirements adopted to implement an adopted statewide, regional, or local plan for the reduction or mitigation of GHG emissions.[14]

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

To provide guidance to local lead agencies on determining significance for GHG emissions in their CEQA documents, SCAQMD has convened a GHG CEQA Significance Threshold Working Group (Working Group). Based on the last Working Group meeting (Meeting No. 15) held in September 2010, SCAQMD is proposing to adopt a tiered approach for evaluating GHG emissions for development projects where SCAQMD is not the lead agency (SCAQMD 2010):

- **Tier 1.** If a project is exempt from CEQA, project-level and cumulative GHG emissions are less than significant.

- **Tier 2.** If the project complies with a GHG emissions reduction plan or mitigation program that avoids or substantially reduces GHG emissions in the project's geographic area (i.e., city or county), project-level and cumulative GHG emissions are less than significant.

- **Tier 3.** If GHG emissions are less than the screening-level threshold, project-level and cumulative GHG emissions are less than significant.

  For projects that are not exempt or where no qualifying GHG reduction plans are directly applicable, SCAQMD requires an assessment of GHG emissions. SCAQMD is proposing a screening-level threshold of 3,000 $MTCO_2e$ annually for all land use types or the following land-use-specific thresholds: 1,400 $MTCO_2e$ for commercial projects, 3,500 $MTCO_2e$ for residential projects, or 3,000 $MTCO_2e$ for mixed-use projects. These bright-line thresholds are based on a review of the Governor's Office of Planning and Research database of CEQA projects. Based on their review of 711 CEQA projects, 90 percent of CEQA projects would exceed the bright-line thresholds identified above. Therefore, projects that do not exceed the bright-line threshold would have a nominal, and therefore, less than cumulatively considerable impact on GHG emissions:

- **Tier 4.** If emissions exceed the screening threshold, a more detailed review of the project's GHG emissions is warranted.

  The SCAQMD Working Group has identified an efficiency target for projects that exceed the screening threshold of 4.8 $MTCO_2e$ per year per service population ($MTCO_2e$/year/SP) for project-level analyses

[14] The Governor's Office of Planning and Research recommendations include a requirement that such a plan must be adopted through a public review process and include specific requirements that reduce or mitigate the project's incremental contribution of GHG emissions. If there is substantial evidence that the possible effects of a particular project are still cumulatively considerable, notwithstanding compliance with the adopted regulations or requirements, an EIR must be prepared for the project.

and 6.6 $MTCO_2e$/year/SP for plan level projects (e.g., program-level projects such as general plans) for the year 2020.[15] The per capita efficiency targets are based on the AB 32 GHG reduction target and 2020 GHG emissions inventory prepared for CARB's 2008 Scoping Plan.[16] If a proposed project's horizon year is beyond year 2020, the efficiency target would need to be adjusted based on the mid-term GHG reduction target of SB 32, which establishes a target of 40 percent below 1990 levels by 2030, and the long-term reduction goal of Executive Order S-03-05, which sets a goal of 80 percent below 1990 levels by 2050. For the purpose of this project, as the proposed school is anticipated to be built by 2024, SCAQMD's project-level thresholds of 3,000 $MTCO_2e$ and 4.3 $MTCO_2e$/year/SP are used. If projects exceed the bright line and per service population efficiency targets, GHG emissions would be considered potentially significant in the absence of mitigation measures.

POST-2020 EFFICIENCY THRESHOLDS

For projects that would be implemented beyond year 2020, the efficiency targets have been adjusted based on the GHG reduction targets of SB 32. The 2017 Scoping Plan establishes a new emissions limit of 260 $MMTCO_2e$ for the year 2030, which corresponds to a 40 percent decrease in 1990 levels by 2030 as established under SB 32. While the State has identified additional GHG reduction goal for year 2050 (Executive Order S-03-05), because buildout of the proposed project would occur before 2030, the applicable threshold is based on the GHG reduction target for the buildout year of the proposed project (2025) and the legislative target under SB 32. As shown in Table 10, using the latest land use emissions inventory developed for the 2017 Scoping Plan, the estimated 2030 GHG project-level efficiency target would be 3.2 $MTCO_2e$ per service population per year ($MTCO_2e$/SP/yr). The estimated 2025 (project opening year) GHG project-level efficiency target would be 4.1 $MTCO_2e$/SP/yr). However, for purposes of this analysis, a project is considered to have a significant GHG emissions impacts if it generates annual emissions greater than 3,000 $MTCO_2e$/yr.

[15] It should be noted that the Working Group also considered efficiency targets for 2035 for the first time in this Working Group meeting.

[16] SCAQMD took the 2020 statewide GHG reduction target for land use only GHG emissions sectors and divided it by the 2020 statewide employment for the land use sectors to derive a per capita GHG efficiency metric that coincides with the GHG reduction targets of AB 32 for year 2020.

Table 10 Post-2020 Project-Level GHG Reduction Targets

GHG Sector[1]	Scoping Plan Scenario GHG Emissions $MMTCO_2e$
Scoping Plan Emissions Target	
AB 32 Year 2020 Emissions Target[2]	287
SB 32 Year 2030 Emissions Target	191
Interpolated Year 2024 Emissions Target[3]	248
2024 Project-Level Efficiency Target	
2024 Population[4]	42,326,397
2024 Employment[5]	15,723,941
2024 Service Population	58,050,338
2024 Efficiency Target	**4.1 $MTCO_2e$/SP**
2030 Project-Level Efficiency Target	
2030 Population[4]	43,939,250
2030 Employment[5]	16,454,761
2030 Service Population	60,394,011
2030 Efficiency Target	**3.2 $MTCO_2e$/SP**

Sources:
1 CARB 2017c.
2 CARB 2007.
3 Forecast based on year 2020 and year 2030 project-level emissions inventories.
4 CDOF 2018.
5 Caltrans 2017.

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Regional Construction Emissions Worksheet: Elizabeth Learning Center Project

P1 Site Preparation

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2021 Summer**						
	Fugitive Dust						7.7233	4.2454
	Off-Road		3.8882	40.4971	21.1543	0.038	2.0445	1.8809
	Total		**3.8882**	**40.4971**	**21.1543**	**0.038**	**9.7678**	**6.1263**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.00E+00	0	0	0.00E+00	0	0.00E+00
	Worker		0.0772	0.053	0.725	2.06E-03	0.1871	0.051
	Total		**0.0772**	**0.053**	**0.725**	**2.06E-03**	**0.1871**	**0.051**
TOTAL			***3.9654***	***40.5501***	***21.8793***	***0.0401***	***9.9549***	***6.1773***
Onsite		**2021 Winter**						
	Fugitive Dust						7.7233	4.2454
	Off-Road		3.8882	40.4971	21.1543	0.038	2.0445	1.8809
	Total		**3.8882**	**40.4971**	**21.1543**	**0.038**	**9.7678**	**6.1263**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.00E+00	0	0	0.00E+00	0	0.00E+00
	Worker		0.0858	0.0587	0.6629	1.94E-03	0.1871	0.051
	Total		**0.0858**	**0.0587**	**0.6629**	**1.94E-03**	**0.1871**	**0.051**
TOTAL			***3.9740***	***40.5558***	***21.8172***	***0.0399***	***9.9549***	***6.1773***
Onsite		**2021**						
	Fugitive Dust		0	0	0	0	7.7233	4.2454
	Off-Road		3.8882	40.4971	21.1543	0.038	2.0445	1.8809
	Total		**3.8882**	**40.4971**	**21.1543**	**0.038**	**9.7678**	**6.1263**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0	0	0	0	0	0
	Worker		0.0858	0.0587	0.725	0.00206	0.1871	0.051
	Total		**0.0858**	**0.0587**	**0.725**	**0.00206**	**0.1871**	**0.051**
TOTAL			***3.9740***	***40.5558***	***21.8793***	***0.0401***	***9.9549***	***6.1773***

P1 Utility Trenching

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2021** Summer						
	Off-Road		0.6759	7.0871	7.6164	0.0178	0.3083	0.2836
	Total		**0.6759**	**7.0871**	**7.6164**	**0.0178**	**0.3083**	**0.2836**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0	0	0	0	0	0
	Worker		0.0343	0.0236	0.3222	9.10E-04	0.0832	0.0227
	Total		**0.0343**	**0.0236**	**0.3222**	**9.10E-04**	**0.0832**	**0.0227**
TOTAL			***0.7102***	***7.1107***	***7.9386***	***0.0187***	***0.3915***	***0.3063***
Onsite		**2021** Winter						
	Off-Road		0.6759	7.0871	7.6164	0.0178	0.3083	0.2836
	Total		**0.6759**	**7.0871**	**7.6164**	**0.0178**	**0.3083**	**0.2836**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0	0	0	0	0	0
	Worker		0.0382	0.0261	0.2946	8.60E-04	0.0832	0.0227
	Total		**0.0382**	**0.0261**	**0.2946**	**8.60E-04**	**0.0832**	**0.0227**

TOTAL			***0.7141***	***7.1132***	***7.9110***	***0.0187***	***0.3915***	***0.3063***
Onsite		**2021**						
	Off-Road		0.6759	7.0871	7.6164	0.0178	0.3083	0.2836
	Total		**0.6759**	**7.0871**	**7.6164**	**0.0178**	**0.3083**	**0.2836**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0	0	0	0	0	0
	Worker		0.0382	0.0261	0.3222	0.00091	0.0832	0.0227
	Total		**0.0382**	**0.0261**	**0.3222**	**0.00091**	**0.0832**	**0.0227**
TOTAL			***0.7141***	***7.1132***	***7.9386***	***0.0187***	***0.3915***	***0.3063***

P1 Portables Installation

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2021** Summer						
	Off-Road		0.4129	4.8493	1.9829	5.77E-03	0.1969	0.1811
	Total		**0.4129**	**4.8493**	**1.9829**	**5.77E-03**	**0.1969**	**0.1811**
Offsite								
	Hauling		0.05	1.6095	0.3774	4.68E-03	0.1027	0.0317
	Vendor		0	0	0	0	0	0
	Worker		0.0129	8.84E-03	0.1208	3.40E-04	0.0312	8.50E-03
	Total		**0.0629**	**1.6183**	**0.4982**	**5.02E-03**	**0.1339**	**0.0402**
TOTAL			***0.4758***	***6.4676***	***2.4811***	***0.0108***	***0.3308***	***0.2213***
Onsite		**2021** Winter						
	Off-Road		0.4129	4.8493	1.9829	5.77E-03	0.1969	0.1811
	Total		**0.4129**	**4.8493**	**1.9829**	**5.77E-03**	**0.1969**	**0.1811**
Offsite								
	Hauling		0.0512	1.6292	0.4002	4.60E-03	0.1028	0.0318
	Vendor		0	0	0	0	0	0
	Worker		0.0143	9.78E-03	0.1105	3.20E-04	0.0312	8.50E-03
	Total		**0.0655**	**1.639**	**0.5106**	**4.92E-03**	**0.134**	**0.0403**
TOTAL			***0.4784***	***6.4883***	***2.4935***	***0.0107***	***0.3309***	***0.2214***

Onsite		**2021**						
	Off-Road		0.4129	4.8493	1.9829	0.00577	0.1969	0.1811
	Total		**0.4129**	**4.8493**	**1.9829**	**0.00577**	**0.1969**	**0.1811**
Offsite								
	Hauling		0.0512	1.6292	0.4002	0.00468	0.1028	0.0318
	Vendor		0	0	0	0	0	0
	Worker		0.0143	0.00978	0.1208	0.00034	0.0312	0.0085
	Total		**0.0655**	**1.639**	**0.5106**	**0.00502**	**0.134**	**0.0403**
TOTAL			***0.4784***	***6.4883***	***2.4935***	***0.0108***	***0.3309***	***0.2214***
P1 Utility Trenching & Portables Installation			***1.1925***	***13.6015***	***10.4321***	***0.0295***	***0.7224***	***0.5277***

P1 Portables Removal

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2021** Summer						
	Off-Road		0.4129	4.8493	1.9829	5.77E-03	0.1969	0.1811
	Total		**0.4129**	**4.8493**	**1.9829**	**5.77E-03**	**0.1969**	**0.1811**
Offsite								
	Hauling		0.04	1.2876	0.3019	3.74E-03	0.0822	0.0254
	Vendor		0	0	0	0	0	0
	Worker		0.0129	8.84E-03	0.1208	3.40E-04	0.0312	8.50E-03
	Total		**0.0529**	**1.2964**	**0.4227**	**4.08E-03**	**0.1134**	**0.0339**
TOTAL			***0.4658***	***6.1457***	***2.4056***	***0.0099***	***0.3103***	***0.2150***

Onsite		**2021** Winter					
	Off-Road	0.4129	4.8493	1.9829	5.77E-03	0.1969	0.1811
	Total	**0.4129**	**4.8493**	**1.9829**	**5.77E-03**	**0.1969**	**0.1811**
Offsite							
	Hauling	0.041	1.3033	0.3201	3.68E-03	0.0822	0.0254
	Vendor	0	0	0	0	0	0
	Worker	0.0143	9.78E-03	0.1105	3.20E-04	0.0312	8.50E-03
	Total	**0.0553**	**1.3131**	**0.4306**	**4.00E-03**	**0.1134**	**0.0339**
TOTAL		***0.4682***	***6.1624***	***2.4135***	***0.0098***	***0.3103***	***0.2150***

Onsite		**2021**					
	Off-Road	0.4129	4.8493	1.9829	0.00577	0.1969	0.1811
	Total	**0.4129**	**4.8493**	**1.9829**	**0.00577**	**0.1969**	**0.1811**
Offsite							
	Hauling	0.041	1.3033	0.3201	0.00374	0.0822	0.0254
	Vendor	0	0	0	0	0	0
	Worker	0.0143	0.00978	0.1208	0.00034	0.0312	0.0085
	Total	**0.0553**	**1.3131**	**0.4306**	**0.00408**	**0.1134**	**0.0339**
TOTAL		***0.4682***	***6.1624***	***2.4135***	***0.0099***	***0.3103***	***0.2150***

P1 Utility Trenching & Portables Removal		***1.1823***	***13.2756***	***10.3521***	***0.0286***	***0.7018***	***0.5213***

P1 Handball Court Demolition

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2021 Summer**					
	Fugitive Dust					0.2367	0.0358
	Off-Road	3.1651	31.4407	21.565	0.0388	1.5513	1.4411
	Total	**3.1651**	**31.4407**	**21.565**	**0.0388**	**1.7881**	**1.4769**
Offsite							
	Hauling	0.0214	0.6874	0.1612	2.00E-03	0.0439	0.0136
	Vendor	0.00E+00	0	0	0.00E+00	0	0.00E+00
	Worker	0.0643	0.0442	0.6042	1.71E-03	0.1559	0.0425
	Total	**0.0857**	**0.7316**	**0.7653**	**3.71E-03**	**0.1998**	**0.056**
TOTAL		***3.2508***	***32.1723***	***22.3303***	***0.0425***	***1.9879***	***1.5329***

Onsite		**2021 Winter**					
	Fugitive Dust					0.2367	0.0358
	Off-Road	3.1651	31.4407	21.565	0.0388	1.5513	1.4411
	Total	**3.1651**	**31.4407**	**21.565**	**0.0388**	**1.7881**	**1.4769**
Offsite							
	Hauling	0.0219	0.6958	0.1709	1.96E-03	0.0439	0.0136
	Vendor	0	0	0	0	0	0
	Worker	0.0715	0.0489	0.5524	1.61E-03	0.1559	0.0425
	Total	**0.0934**	**0.7447**	**0.7233**	**3.57E-03**	**0.1998**	**0.0561**
TOTAL		***3.2585***	***32.1854***	***22.2883***	***0.0424***	***1.9879***	***1.5330***

Onsite		**2021**					
	Fugitive Dust	0	0	0	0	0.2367	0.0358
	Off-Road	3.1651	31.4407	21.565	0.0388	1.5513	1.4411
	Total	**3.1651**	**31.4407**	**21.565**	**0.0388**	**1.7881**	**1.4769**
Offsite							
	Hauling	0.0219	0.6958	0.1709	0.002	0.0439	0.0136
	Vendor	0	0	0	0	0	0
	Worker	0.0715	0.0489	0.6042	0.00171	0.1559	0.0425
	Total	**0.0934**	**0.7447**	**0.7653**	**0.00371**	**0.1998**	**0.0561**
TOTAL		***3.2585***	***32.1854***	***22.3303***	***0.0425***	***1.9879***	***1.5330***

P1 Utility Trenching & Handball Demo		***3.9726***	***39.2986***	***30.2689***	***0.0612***	***2.3794***	***1.8393***

P1 Building Construction - Secondary Building

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2021** Summer						
	Off-Road		1.9009	17.4321	16.5752	0.0269	0.9586	0.9013
	Total		**1.9009**	**17.4321**	**16.5752**	**0.0269**	**0.9586**	**0.9013**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.0213	0.6796	0.1777	1.80E-03	0.0433	0.0135
	Worker		0.0772	0.053	0.725	2.06E-03	0.1871	0.051
	Total		**0.0984**	**0.7327**	**0.9027**	**3.86E-03**	**0.2304**	**0.0645**
TOTAL			***1.9993***	***18.1648***	***17.4779***	***0.0308***	***1.1890***	***0.9658***
Onsite		**2021** Winter						
	Off-Road		1.9009	17.4321	16.5752	0.0269	0.9586	0.9013
	Total		**1.9009**	**17.4321**	**16.5752**	**0.0269**	**0.9586**	**0.9013**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.0223	0.6782	0.1965	1.75E-03	0.0434	0.0136
	Worker		0.0858	0.0587	0.6629	1.94E-03	0.1871	0.051
	Total		**0.1082**	**0.7369**	**0.8594**	**3.69E-03**	**0.2305**	**0.0646**
TOTAL			***2.0091***	***18.1690***	***17.4346***	***0.0306***	***1.1891***	***0.9659***
Onsite		**2021**						
	Off-Road		1.9009	17.4321	16.5752	0.0269	0.9586	0.9013
	Total		**1.9009**	**17.4321**	**16.5752**	**0.0269**	**0.9586**	**0.9013**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.0223	0.6796	0.1965	0.0018	0.0434	0.0136
	Worker		0.0858	0.0587	0.725	0.00206	0.1871	0.051
	Total		**0.1082**	**0.7369**	**0.9027**	**0.00386**	**0.2305**	**0.0646**
TOTAL			***2.0091***	***18.1690***	***17.4779***	***0.0308***	***1.1891***	***0.9659***

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2022** Summer						
	Off-Road		1.7062	15.6156	16.3634	0.0269	0.809	0.7612
	Total		**1.7062**	**15.6156**	**16.3634**	**0.0269**	**0.809**	**0.7612**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.02	0.6463	0.1681	1.78E-03	0.0432	0.0134
	Worker		0.0723	0.0479	0.6689	1.98E-03	0.187	0.051
	Total		**0.0922**	**0.6942**	**0.837**	**3.76E-03**	**0.2302**	**0.0643**
TOTAL			***1.7984***	***16.3098***	***17.2004***	***0.0307***	***1.0392***	***0.8255***
Onsite		**2022** Winter						
	Off-Road		1.7062	15.6156	16.3634	0.0269	0.809	0.7612
	Total		**1.7062**	**15.6156**	**16.3634**	**0.0269**	**0.809**	**0.7612**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.021	0.6446	0.186	1.73E-03	0.0432	0.0134
	Worker		0.0806	0.053	0.6105	1.87E-03	0.187	0.051
	Total		**0.1016**	**0.6976**	**0.7966**	**3.60E-03**	**0.2302**	**0.0644**
TOTAL			***1.8078***	***16.3132***	***17.1600***	***0.0305***	***1.0392***	***0.8256***
Onsite		**2022**						

	Off-Road	1.7062	15.6156	16.3634	0.0269	0.809	0.7612
	Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**	**0.809**	**0.7612**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0.021	0.6463	0.186	0.00178	0.0432	0.0134
	Worker	0.0806	0.053	0.6689	0.00198	0.187	0.051
	Total	**0.1016**	**0.6976**	**0.837**	**0.00376**	**0.2302**	**0.0644**
TOTAL		***1.8078***	***16.3132***	***17.2004***	***0.0307***	***1.0392***	***0.8256***

P1 Building Modernization

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2021** Summer						
Off-Road		0	0	0	0	0	0
Total		**0**	**0**	**0**	**0**	**0**	**0**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0.0213	0.6796	0.1777	1.80E-03	0.0433	0.0135
Worker		0.0772	0.053	0.725	2.06E-03	0.1871	0.051
Total		**0.0984**	**0.7327**	**0.9027**	**3.86E-03**	**0.2304**	**0.0645**
TOTAL		***0.0984***	***0.7327***	***0.9027***	***0.0039***	***0.2304***	***0.0645***
Onsite	**2021** Winter						
Off-Road		0	0	0	0	0	0
Total		**0**	**0**	**0**	**0**	**0**	**0**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0.0223	0.6782	0.1965	1.75E-03	0.0434	0.0136
Worker		0.0858	0.0587	0.6629	1.94E-03	0.1871	0.051
Total		**0.1082**	**0.7369**	**0.8594**	**3.69E-03**	**0.2305**	**0.0646**
TOTAL		***0.1082***	***0.7369***	***0.8594***	***0.0037***	***0.2305***	***0.0646***
Onsite	**2021**						
Off-Road		0	0	0	0	0	0
Total		**0**	**0**	**0**	**0**	**0**	**0**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0.0223	0.6796	0.1965	0.0018	0.0434	0.0136
Worker		0.0858	0.0587	0.725	0.00206	0.1871	0.051
Total		**0.1082**	**0.7369**	**0.9027**	**0.00386**	**0.2305**	**0.0646**
TOTAL		***0.1082***	***0.7369***	***0.9027***	***0.0039***	***0.2305***	***0.0646***
P1 Building Construction & Modernizations (2021)		***2.1173***	***18.9059***	***18.3806***	***0.0346***	***1.4196***	***1.0305***
P1 Trenching, Building Construction & Modernizations (2021)		***2.8314***	***26.0191***	***26.3192***	***0.0533***	***1.8111***	***1.3368***

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2022** Summer						
Off-Road		0	0	0	0	0	0
Total		**0**	**0**	**0**	**0**	**0**	**0**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0.02	0.6463	0.1681	1.78E-03	0.0432	0.0134
Worker		0.0723	0.0479	0.6689	1.98E-03	0.187	0.051
Total		**0.0922**	**0.6942**	**0.837**	**3.76E-03**	**0.2302**	**0.0643**
TOTAL		***0.0922***	***0.6942***	***0.8370***	***0.0038***	***0.2302***	***0.0643***

Onsite		**2022** Winter					
	Off-Road	0	0	0	0	0	0
	Total	**0**	**0**	**0**	**0**	**0**	**0**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0.021	0.6446	0.186	1.73E-03	0.0432	0.0134
	Worker	0.0806	0.053	0.6105	1.87E-03	0.187	0.051
	Total	**0.1016**	**0.6976**	**0.7966**	**3.60E-03**	**0.2302**	**0.0644**
TOTAL		***0.1016***	***0.6976***	***0.7966***	***0.0036***	***0.2302***	***0.0644***

Onsite		**2022**					
	Off-Road	0	0	0	0	0	0
	Total	**0**	**0**	**0**	**0**	**0**	**0**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0.021	0.6463	0.186	0.00178	0.0432	0.0134
	Worker	0.0806	0.053	0.6689	0.00198	0.187	0.051
	Total	**0.1016**	**0.6976**	**0.837**	**0.00376**	**0.2302**	**0.0644**
TOTAL		***0.1016***	***0.6976***	***0.8370***	***0.0038***	***0.2302***	***0.0644***

P1 Building Construction & Modernizations (2022)	***1.9094***	***17.0108***	***18.0374***	***0.0344***	***1.2694***	***0.8900***

P1 Architectural Coating - Secondary Building

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2022** Summer					
	Archit. Coating	30.1768				0	0
	Off-Road	0.2045	1.4085	1.8136	2.97E-03	0.0817	0.0817
	Total	**30.3813**	**1.4085**	**1.8136**	**2.97E-03**	**0.0817**	**0.0817**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0161	0.0107	0.1486	4.40E-04	0.0769	0.02
	Total	**0.0161**	**0.0107**	**0.1486**	**4.40E-04**	**0.0769**	**0.02**
TOTAL		***30.3974***	***1.4192***	***1.9622***	***0.0034***	***0.1586***	***0.1017***

Onsite		**2022** Winter					
	Archit. Coating	30.1768				0	0
	Off-Road	0.2045	1.4085	1.8136	2.97E-03	0.0817	0.0817
	Total	**30.3813**	**1.4085**	**1.8136**	**2.97E-03**	**0.0817**	**0.0817**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0179	0.0118	0.1357	4.20E-04	0.0769	0.02
	Total	**0.0179**	**0.0118**	**0.1357**	**4.20E-04**	**0.0769**	**0.02**
TOTAL		***30.3992***	***1.4203***	***1.9493***	***0.0034***	***0.1586***	***0.1017***

Onsite		**2022**					
	Archit. Coating	30.1768	0	0	0	0	0
	Off-Road	0.2045	1.4085	1.8136	0.00297	0.0817	0.0817
	Total	**30.3813**	**1.4085**	**1.8136**	**0.00297**	**0.0817**	**0.0817**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0179	0.0118	0.1486	0.00044	0.0769	0.02
	Total	**0.0179**	**0.0118**	**0.1486**	**0.00044**	**0.0769**	**0.02**
TOTAL		***30.3992***	***1.4203***	***1.9622***	***0.0034***	***0.1586***	***0.1017***

P1 Architectural Coating - Modernization							
			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2022** Summer						
	Archit. Coating		15.323				0	0
	Off-Road		0.2045	1.4085	1.8136	2.97E-03	0.0817	0.0817
	Total		**15.5276**	**1.4085**	**1.8136**	**2.97E-03**	**0.0817**	**0.0817**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0	0	0	0	0	0
	Worker		8.03E-03	5.32E-03	0.0743	2.20E-04	0.0208	5.66E-03
	Total		**8.03E-03**	**5.32E-03**	**0.0743**	**2.20E-04**	**0.0208**	**5.66E-03**
TOTAL			***15.5356***	***1.4138***	***1.8879***	***0.0032***	***0.1025***	***0.0874***
Onsite		**2022** Winter						
	Archit. Coating		15.323				0	0
	Off-Road		0.2045	1.4085	1.8136	2.97E-03	0.0817	0.0817
	Total		**15.5276**	**1.4085**	**1.8136**	**2.97E-03**	**0.0817**	**0.0817**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0	0	0	0	0	0
	Worker		8.96E-03	5.89E-03	0.0678	2.10E-04	0.0208	5.66E-03
	Total		**8.96E-03**	**5.89E-03**	**0.0678**	**2.10E-04**	**0.0208**	**5.66E-03**
TOTAL			***15.5366***	***1.4144***	***1.8814***	***0.0032***	***0.1025***	***0.0874***
Onsite		**2022**						
	Archit. Coating		15.323	0	0	0	0	0
	Off-Road		0.2045	1.4085	1.8136	0.00297	0.0817	0.0817
	Total		**15.5276**	**1.4085**	**1.8136**	**0.00297**	**0.0817**	**0.0817**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0	0	0	0	0	0
	Worker		0.00896	0.00589	0.0743	0.00022	0.0208	0.00566
	Total		**0.00896**	**0.00589**	**0.0743**	**0.00022**	**0.0208**	**0.00566**
TOTAL			***15.5366***	***1.4144***	***1.8879***	***0.0032***	***0.1025***	***0.0874***
	P1 Building Construction/Coating & Modernization/Coating		***47.8452***	***19.8455***	***21.8875***	***0.0410***	***1.5305***	***1.0791***
MAX DAILY			**47.85**	**40.56**	**30.27**	**0.06**	**9.95**	**6.18**
Regional Thresholds			**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds?			No	No	No	No	No	No

P2 Demolish Classroom Building							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2022 Summer**						
	Fugitive Dust					0.515	0.078
	Off-Road	2.6392	25.7194	20.5941	0.0388	1.2427	1.1553
	Total	**2.6392**	**25.7194**	**20.5941**	**0.0388**	**1.7577**	**1.2332**
Offsite							
	Hauling	0.0444	1.3954	0.3486	4.31E-03	0.0953	0.029
	Vendor	0.00E+00	0	0	0.00E+00	0	0.00E+00
	Worker	0.0602	0.0399	0.5574	1.65E-03	0.1559	0.0425
	Total	**0.1047**	**1.4354**	**0.906**	**5.96E-03**	**0.2511**	**0.0715**
TOTAL		***2.7439***	***27.1548***	***21.5001***	***0.0448***	***2.0088***	***1.3047***
Onsite	**2022 Winter**						

	Fugitive Dust					0.515	0.078
	Off-Road	2.6392	25.7194	20.5941	0.0388	1.2427	1.1553
	Total	**2.6392**	**25.7194**	**20.5941**	**0.0388**	**1.7577**	**1.2332**
Offsite							
	Hauling	0.0455	1.4114	0.3689	4.24E-03	0.0953	0.0291
	Vendor	0	0	0	0	0	0
	Worker	0.0672	0.0442	0.5088	1.56E-03	0.1559	0.0425
	Total	**0.1127**	**1.4556**	**0.8777**	**5.80E-03**	**0.2512**	**0.0716**
TOTAL		***2.7519***	***27.1750***	***21.4718***	***0.0446***	***2.0089***	***1.3048***

Onsite		**2022**					
	Fugitive Dust	0	0	0	0	0.515	0.078
	Off-Road	2.6392	25.7194	20.5941	0.0388	1.2427	1.1553
	Total	**2.6392**	**25.7194**	**20.5941**	**0.0388**	**1.7577**	**1.2332**
Offsite							
	Hauling	0.0455	1.4114	0.3689	0.00431	0.0953	0.0291
	Vendor	0	0	0	0	0	0
	Worker	0.0672	0.0442	0.5574	0.00165	0.1559	0.0425
	Total	**0.1127**	**1.4556**	**0.906**	**0.00596**	**0.2512**	**0.0716**
TOTAL		***2.7519***	***27.1750***	***21.5001***	***0.0448***	***2.0089***	***1.3048***

P2 Portables Removal

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2022** Summer					
	Off-Road	0.373	4.1843	1.8923	5.77E-03	0.1737	0.1598
	Total	**0.373**	**4.1843**	**1.8923**	**5.77E-03**	**0.1737**	**0.1598**
Offsite							
	Hauling	0.0413	1.2958	0.3237	4.00E-03	0.0885	0.027
	Vendor	0	0	0	0	0	0
	Worker	0.0121	7.98E-03	0.1115	3.30E-04	0.0312	8.49E-03
	Total	**0.0533**	**1.3038**	**0.4352**	**4.33E-03**	**0.1196**	**0.0355**
TOTAL		***0.4263***	***5.4881***	***2.3275***	***0.0101***	***0.2933***	***0.1953***

Onsite		**2022** Winter					
	Off-Road	0.373	4.1843	1.8923	5.77E-03	0.1737	0.1598
	Total	**0.373**	**4.1843**	**1.8923**	**5.77E-03**	**0.1737**	**0.1598**
Offsite							
	Hauling	0.0423	1.3106	0.3426	3.93E-03	0.0885	0.027
	Vendor	0	0	0	0	0	0
	Worker	0.0134	8.84E-03	0.1018	3.10E-04	0.0312	8.49E-03
	Total	**0.0557**	**1.3194**	**0.4443**	**4.24E-03**	**0.1197**	**0.0355**
TOTAL		***0.4287***	***5.5037***	***2.3366***	***0.0100***	***0.2934***	***0.1953***

Onsite		**2022**					
	Off-Road	0.373	4.1843	1.8923	0.00577	0.1737	0.1598
	Total	**0.373**	**4.1843**	**1.8923**	**0.00577**	**0.1737**	**0.1598**
Offsite							
	Hauling	0.0423	1.3106	0.3426	0.004	0.0885	0.027
	Vendor	0	0	0	0	0	0
	Worker	0.0134	0.00884	0.1115	0.00033	0.0312	0.00849
	Total	**0.0557**	**1.3194**	**0.4443**	**0.00433**	**0.1197**	**0.0355**
TOTAL		***0.4287***	***5.5037***	***2.3366***	***0.0101***	***0.2934***	***0.1953***
	Total	**0.4263**	**5.4881**	**2.3275**	**0.0101**	**0.2933**	**0.1953**
TOTAL		***0.4263***	***5.4881***	***2.3275***	***0.0101***	***0.2933***	***0.1953***

P2 Rough Grading

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2022** Summer						
Fugitive Dust						2.8011	1.4396
Off-Road		1.9486	20.8551	15.2727	0.0297	0.9409	0.8656
Total		**1.9486**	**20.8551**	**15.2727**	**0.0297**	**3.742**	**2.3052**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0.00E+00	0	0	0.00E+00	0	0.00E+00
Worker		0.0602	0.0399	0.5574	1.65E-03	0.1559	0.0425
Total		**0.0602**	**0.0399**	**0.5574**	**1.65E-03**	**0.1559**	**0.0425**
TOTAL		***2.0088***	***20.8950***	***15.8301***	***0.0314***	***3.8979***	***2.3477***
Onsite	**2022 Winter**						
Fugitive Dust						2.8011	1.4396
Off-Road		1.9486	20.8551	15.2727	0.0297	0.9409	0.8656
Total		**1.9486**	**20.8551**	**15.2727**	**0.0297**	**3.742**	**2.3052**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.0672	0.0442	0.5088	1.56E-03	0.1559	0.0425
Total		**0.0672**	**0.0442**	**0.5088**	**1.56E-03**	**0.1559**	**0.0425**
TOTAL		***2.0158***	***20.8993***	***15.7815***	***0.0313***	***3.8979***	***2.3477***
Onsite	**2022**						
Fugitive Dust		0	0	0	0	2.8011	1.4396
Off-Road		1.9486	20.8551	15.2727	0.0297	0.9409	0.8656
Total		**1.9486**	**20.8551**	**15.2727**	**0.0297**	**3.742**	**2.3052**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.0672	0.0442	0.5574	0.00165	0.1559	0.0425
Total		**0.0672**	**0.0442**	**0.5574**	**0.00165**	**0.1559**	**0.0425**
TOTAL		***2.0158***	***20.8993***	***15.8301***	***0.0314***	***3.8979***	***2.3477***

P2 Utility Trenching

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2022** Summer						
Off-Road		0.3671	3.4526	5.4931	8.28E-03	0.176	0.162
Total		**0.3671**	**3.4526**	**5.4931**	**8.28E-03**	**0.176**	**0.162**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.0201	0.0133	0.1858	5.50E-04	0.052	0.0142
Total		**0.0201**	**0.0133**	**0.1858**	**5.50E-04**	**0.052**	**0.0142**
TOTAL		***0.3872***	***3.4659***	***5.6789***	***0.0088***	***0.2280***	***0.1762***
Onsite	**2022** Winter						
Off-Road		0.3671	3.4526	5.4931	8.28E-03	0.176	0.162
Total		**0.3671**	**3.4526**	**5.4931**	**8.28E-03**	**0.176**	**0.162**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.0224	0.0147	0.1696	5.20E-04	0.052	0.0142
Total		**0.0224**	**0.0147**	**0.1696**	**5.20E-04**	**0.052**	**0.0142**
TOTAL		***0.3895***	***3.4673***	***5.6627***	***0.0088***	***0.2280***	***0.1762***
Onsite	**2022**						

	Off-Road	0.3671	3.4526	5.4931	0.00828	0.176	0.162
	Total	**0.3671**	**3.4526**	**5.4931**	**0.00828**	**0.176**	**0.162**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0224	0.0147	0.1858	0.00055	0.052	0.0142
	Total	**0.0224**	**0.0147**	**0.1858**	**0.00055**	**0.052**	**0.0142**
TOTAL		***0.3895***	***3.4673***	***5.6789***	***0.0088***	***0.2280***	***0.1762***
	Total	**0.3872**	**3.4659**	**5.6789**	**0.00883**	**0.228**	**0.1762**
TOTAL		***0.3872***	***3.4659***	***5.6789***	***0.0088***	***0.2280***	***0.1762***

P2 Fine Grading

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2022** Summer						
Fugitive Dust						2.8011	1.4396
Off-Road		1.9486	20.8551	15.2727	0.0297	0.9409	0.8656
Total		**1.9486**	**20.8551**	**15.2727**	**0.0297**	**3.742**	**2.3052**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0.00E+00	0	0	0.00E+00	0	0.00E+00
Worker		0.0602	0.0399	0.5574	1.65E-03	0.1559	0.0425
Total		**0.0602**	**0.0399**	**0.5574**	**1.65E-03**	**0.1559**	**0.0425**
TOTAL		***2.0088***	***20.8950***	***15.8301***	***0.0314***	***3.8979***	***2.3477***
Onsite	**2022 Winter**						
Fugitive Dust						2.8011	1.4396
Off-Road		1.9486	20.8551	15.2727	0.0297	0.9409	0.8656
Total		**1.9486**	**20.8551**	**15.2727**	**0.0297**	**3.742**	**2.3052**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.0672	0.0442	0.5088	1.56E-03	0.1559	0.0425
Total		**0.0672**	**0.0442**	**0.5088**	**1.56E-03**	**0.1559**	**0.0425**
TOTAL		***2.0158***	***20.8993***	***15.7815***	***0.0313***	***3.8979***	***2.3477***
Onsite	**2022**						
Fugitive Dust		0	0	0	0	2.8011	1.4396
Off-Road		1.9486	20.8551	15.2727	0.0297	0.9409	0.8656
Total		**1.9486**	**20.8551**	**15.2727**	**0.0297**	**3.742**	**2.3052**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.0672	0.0442	0.5574	0.00165	0.1559	0.0425
Total		**0.0672**	**0.0442**	**0.5574**	**0.00165**	**0.1559**	**0.0425**
TOTAL		***2.0158***	***20.8993***	***15.8301***	***0.0314***	***3.8979***	***2.3477***

P2 Pave Hardcourts

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2022** Summer						
Off-Road		1.1028	11.1249	14.5805	0.0228	0.5679	0.5225
Paving		1.5091				0	0
Total		**2.6119**	**11.1249**	**14.5805**	**0.0228**	**0.5679**	**0.5225**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.0602	0.0399	0.5574	1.65E-03	0.1559	0.0425

	Total	**0.0602**	**0.0399**	**0.5574**	**1.65E-03**	**0.1559**	**0.0425**
TOTAL		***2.6721***	***11.1648***	***15.1379***	***0.0245***	***0.7238***	***0.5650***
Onsite	**2022** Winter						
	Off-Road	1.1028	11.1249	14.5805	0.0228	0.5679	0.5225
	Paving	1.5091				0	0
	Total	**2.6119**	**11.1249**	**14.5805**	**0.0228**	**0.5679**	**0.5225**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0672	0.0442	0.5088	1.56E-03	0.1559	0.0425
	Total	**0.0672**	**0.0442**	**0.5088**	**1.56E-03**	**0.1559**	**0.0425**
TOTAL		***2.6791***	***11.1691***	***15.0893***	***0.0244***	***0.7238***	***0.5650***
Onsite	**2022**						
	Off-Road	1.1028	11.1249	14.5805	0.0228	0.5679	0.5225
	Paving	1.5091	0	0	0	0	0
	Total	**2.6119**	**11.1249**	**14.5805**	**0.0228**	**0.5679**	**0.5225**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0672	0.0442	0.5574	0.00165	0.1559	0.0425
	Total	**0.0672**	**0.0442**	**0.5574**	**0.00165**	**0.1559**	**0.0425**
TOTAL		***2.6791***	***11.1691***	***15.1379***	***0.0245***	***0.7238***	***0.5650***

P2 Architectural Coating

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2022** Summer						
	Archit. Coating	16.5052				0	0
	Off-Road	0.2045	1.4085	1.8136	2.97E-03	0.0817	0.0817
	Total	**16.7098**	**1.4085**	**1.8136**	**2.97E-03**	**0.0817**	**0.0817**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.1044	0.0692	0.9662	2.87E-03	0.2702	0.0736
	Total	**0.1044**	**0.0692**	**0.9662**	**2.87E-03**	**0.2702**	**0.0736**
TOTAL		***16.8142***	***1.4777***	***2.7798***	***0.0058***	***0.3519***	***0.1553***
Onsite	**2022** Winter						
	Archit. Coating	16.5052				0	0
	Off-Road	0.2045	1.4085	1.8136	2.97E-03	0.0817	0.0817
	Total	**16.7098**	**1.4085**	**1.8136**	**2.97E-03**	**0.0817**	**0.0817**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.1164	0.0766	0.8819	2.70E-03	0.2702	0.0736
	Total	**0.1164**	**0.0766**	**0.8819**	**2.70E-03**	**0.2702**	**0.0736**
TOTAL		***16.8262***	***1.4851***	***2.6955***	***0.0057***	***0.3519***	***0.1553***
Onsite	**2022**						
	Archit. Coating	16.5052	0	0	0	0	0
	Off-Road	0.2045	1.4085	1.8136	0.00297	0.0817	0.0817
	Total	**16.7098**	**1.4085**	**1.8136**	**0.00297**	**0.0817**	**0.0817**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.1164	0.0766	0.9662	0.00287	0.2702	0.0736

	Total	**0.1164**	**0.0766**	**0.9662**	**0.00287**	**0.2702**	**0.0736**
TOTAL		***16.8262***	***1.4851***	***2.7798***	***0.0058***	***0.3519***	***0.1553***
MAX DAILY		**16.83**	**27.18**	**21.50**	**0.04**	**3.90**	**2.35**
Regional Thresholds		**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds?		No	No	No	No	No	No

P3 Portables Removal

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023** Summer						
	Off-Road	0.3514	3.8155	1.8344	5.77E-03	0.1593	0.1466
	Total	**0.3514**	**3.8155**	**1.8344**	**5.77E-03**	**0.1593**	**0.1466**
Offsite							
	Hauling	0.0208	0.6576	0.2273	2.94E-03	0.0664	0.0192
	Vendor	0	0	0	0	0	0
	Worker	0.0113	7.22E-03	0.1027	3.20E-04	0.0312	8.48E-03
	Total	**0.0321**	**0.6648**	**0.33**	**3.26E-03**	**0.0975**	**0.0276**
TOTAL		***0.3835***	***4.4803***	***2.1644***	***0.0090***	***0.2568***	***0.1742***
Onsite	**2023** Winter						
	Off-Road	0.3514	3.8155	1.8344	5.77E-03	0.1593	0.1466
	Total	**0.3514**	**3.8155**	**1.8344**	**5.77E-03**	**0.1593**	**0.1466**
Offsite							
	Hauling	0.0213	0.6622	0.237	2.89E-03	0.0664	0.0192
	Vendor	0	0	0	0	0	0
	Worker	0.0127	7.99E-03	0.0935	3.00E-04	0.0312	8.48E-03
	Total	**0.034**	**0.6702**	**0.3306**	**3.19E-03**	**0.0976**	**0.0277**
TOTAL		***0.3854***	***4.4857***	***2.1650***	***0.0090***	***0.2569***	***0.1743***

Onsite	**2023**						
	Off-Road	0.3514	3.8155	1.8344	0.00577	0.1593	0.1466
	Total	**0.3514**	**3.8155**	**1.8344**	**0.00577**	**0.1593**	**0.1466**
Offsite							
	Hauling	0.0213	0.6622	0.237	0.00294	0.0664	0.0192
	Vendor	0	0	0	0	0	0
	Worker	0.0127	0.00799	0.1027	0.00032	0.0312	0.00848
	Total	**0.034**	**0.6702**	**0.3306**	**0.00326**	**0.0976**	**0.0277**
TOTAL		***0.3854***	***4.4857***	***2.1650***	***0.0090***	***0.2569***	***0.1743***
	Total	**0.3835**	**4.4803**	**2.1644**	**0.00903**	**0.2568**	**0.1742**
TOTAL		***0.3835***	***4.4803***	***2.1644***	***0.0090***	***0.2568***	***0.1742***

P3 Tennis Courts and ES Play Area Demolition

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023 Summer**						
	Fugitive Dust					0.8233	0.1247
	Off-Road	2.2691	21.4844	19.6434	0.0388	0.9975	0.928
	Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**1.8209**	**1.0527**
Offsite							
	Hauling	0.0466	1.4709	0.5085	6.59E-03	0.1485	0.0428
	Vendor	0.00E+00	0	0	0.00E+00	0	0.00E+00
	Worker	0.0566	0.0361	0.5133	1.59E-03	0.1558	0.0424
	Total	**0.1031**	**1.507**	**1.0218**	**8.18E-03**	**0.3043**	**0.0853**
TOTAL		***2.3722***	***22.9914***	***20.6652***	***0.0470***	***2.1252***	***1.1380***
Onsite	**2023 Winter**						

	Fugitive Dust					0.8233	0.1247
	Off-Road	2.2691	21.4844	19.6434	0.0388	0.9975	0.928
	Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**1.8209**	**1.0527**
Offsite							
	Hauling	0.0477	1.4812	0.5302	6.47E-03	0.1486	0.0429
	Vendor	0	0	0	0	0	0
	Worker	0.0633	0.04	0.4677	1.50E-03	0.1558	0.0424
	Total	**0.111**	**1.5212**	**0.9979**	**7.97E-03**	**0.3044**	**0.0853**
TOTAL		***2.3801***	***23.0056***	***20.6413***	***0.0468***	***2.1253***	***1.1380***

Onsite		**2023**					
	Fugitive Dust	0	0	0	0	0.8233	0.1247
	Off-Road	2.2691	21.4844	19.6434	0.0388	0.9975	0.928
	Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**1.8209**	**1.0527**
Offsite							
	Hauling	0.0477	1.4812	0.5302	0.00659	0.1486	0.0429
	Vendor	0	0	0	0	0	0
	Worker	0.0633	0.04	0.5133	0.00159	0.1558	0.0424
	Total	**0.111**	**1.5212**	**1.0218**	**0.00818**	**0.3044**	**0.0853**
TOTAL		***2.3801***	***23.0056***	***20.6652***	***0.0470***	***2.1253***	***1.1380***

P3 Rough Grading

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2023** Summer					
	Fugitive Dust					2.8011	1.4396
	Off-Road	1.7109	17.9359	14.7507	0.0297	0.7749	0.7129
	Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**3.576**	**2.1525**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0.00E+00	0	0	0.00E+00	0	0.00E+00
	Worker	0.0566	0.0361	0.5133	1.59E-03	0.1558	0.0424
	Total	**0.0566**	**0.0361**	**0.5133**	**1.59E-03**	**0.1558**	**0.0424**
TOTAL		***1.7675***	***17.9720***	***15.2640***	***0.0313***	***3.7318***	***2.1949***

Onsite		**2023 Winter**					
	Fugitive Dust					2.8011	1.4396
	Off-Road	1.7109	17.9359	14.7507	0.0297	0.7749	0.7129
	Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**3.576**	**2.1525**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0633	0.04	0.4677	1.50E-03	0.1558	0.0424
	Total	**0.0633**	**0.04**	**0.4677**	**1.50E-03**	**0.1558**	**0.0424**
TOTAL		***1.7742***	***17.9759***	***15.2184***	***0.0312***	***3.7318***	***2.1949***

Onsite		**2023**					
	Fugitive Dust	0	0	0	0	2.8011	1.4396
	Off-Road	1.7109	17.9359	14.7507	0.0297	0.7749	0.7129
	Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**3.576**	**2.1525**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0633	0.04	0.5133	0.00159	0.1558	0.0424
	Total	**0.0633**	**0.04**	**0.5133**	**0.00159**	**0.1558**	**0.0424**
TOTAL		***1.7742***	***17.9759***	***15.2640***	***0.0313***	***3.7318***	***2.1949***

P3 Utility Trenching

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2023** Summer						
	Off-Road		0.5562	5.1341	7.5321	0.0178	0.218	0.2005
	Total		**0.5562**	**5.1341**	**7.5321**	**0.0178**	**0.218**	**0.2005**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0	0	0	0	0	0
	Worker		0.0302	0.0193	0.2738	8.50E-04	0.0831	0.0226
	Total		**0.0302**	**0.0193**	**0.2738**	**8.50E-04**	**0.0831**	**0.0226**
TOTAL			***0.5864***	***5.1534***	***7.8059***	***0.0187***	***0.3011***	***0.2231***
Onsite		**2023** Winter						
	Off-Road		0.5562	5.1341	7.5321	0.0178	0.218	0.2005
	Total		**0.5562**	**5.1341**	**7.5321**	**0.0178**	**0.218**	**0.2005**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0	0	0	0	0	0
	Worker		0.0338	0.0213	0.2494	8.00E-04	0.0831	0.0226
	Total		**0.0338**	**0.0213**	**0.2494**	**8.00E-04**	**0.0831**	**0.0226**
TOTAL			***0.5900***	***5.1554***	***7.7815***	***0.0186***	***0.3011***	***0.2231***
Onsite		**2023**						
	Off-Road		0.5562	5.1341	7.5321	0.0178	0.218	0.2005
	Total		**0.5562**	**5.1341**	**7.5321**	**0.0178**	**0.218**	**0.2005**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0	0	0	0	0	0
	Worker		0.0338	0.0213	0.2738	0.00085	0.0831	0.0226
	Total		**0.0338**	**0.0213**	**0.2738**	**0.00085**	**0.0831**	**0.0226**
TOTAL			***0.5900***	***5.1554***	***7.8059***	***0.0187***	***0.3011***	***0.2231***
	Total		**0.5864**	**5.1534**	**7.8059**	**0.01865**	**0.3011**	**0.2231**
TOTAL			***0.5864***	***5.1534***	***7.8059***	***0.0187***	***0.3011***	***0.2231***

P3 Fine Grading

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2023** Summer						
	Fugitive Dust						2.8011	1.4396
	Off-Road		1.7109	17.9359	14.7507	0.0297	0.7749	0.7129
	Total		**1.7109**	**17.9359**	**14.7507**	**0.0297**	**3.576**	**2.1525**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.00E+00	0	0	0.00E+00	0	0.00E+00
	Worker		0.0566	0.0361	0.5133	1.59E-03	0.1558	0.0424
	Total		**0.0566**	**0.0361**	**0.5133**	**1.59E-03**	**0.1558**	**0.0424**
TOTAL			***1.7675***	***17.9720***	***15.2640***	***0.0313***	***3.7318***	***2.1949***
Onsite		**2023 Winter**						
	Fugitive Dust						2.8011	1.4396
	Off-Road		1.7109	17.9359	14.7507	0.0297	0.7749	0.7129
	Total		**1.7109**	**17.9359**	**14.7507**	**0.0297**	**3.576**	**2.1525**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0	0	0	0	0	0
	Worker		0.0633	0.04	0.4677	1.50E-03	0.1558	0.0424
	Total		**0.0633**	**0.04**	**0.4677**	**1.50E-03**	**0.1558**	**0.0424**
TOTAL			***1.7742***	***17.9759***	***15.2184***	***0.0312***	***3.7318***	***2.1949***

Onsite		**2023**					
	Fugitive Dust		0	0	0	0	2.8011	1.4396
	Off-Road		1.7109	17.9359	14.7507	0.0297	0.7749	0.7129
	Total		**1.7109**	**17.9359**	**14.7507**	**0.0297**	**3.576**	**2.1525**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0	0	0	0	0	0
	Worker		0.0633	0.04	0.5133	0.00159	0.1558	0.0424
	Total		**0.0633**	**0.04**	**0.5133**	**0.00159**	**0.1558**	**0.0424**
TOTAL			***1.7742***	***17.9759***	***15.2640***	***0.0313***	***3.7318***	***2.1949***

P3 Building Construction - Elementary School and Library

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2023** Summer						
	Off-Road		1.5728	14.3849	16.244	0.0269	0.6997	0.6584
	Total		**1.5728**	**14.3849**	**16.244**	**0.0269**	**0.6997**	**0.6584**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.0127	0.4203	0.1301	1.48E-03	0.0364	0.0109
	Worker		0.0603	0.0385	0.5475	1.70E-03	0.1662	0.0453
	Total		**0.073**	**0.4589**	**0.6777**	**3.18E-03**	**0.2027**	**0.0562**
TOTAL			***1.6458***	***14.8438***	***16.9217***	***0.0301***	***0.9024***	***0.7146***
Onsite		**2023** Winter						
	Off-Road		1.5728	14.3849	16.244	0.0269	0.6997	0.6584
	Total		**1.5728**	**14.3849**	**16.244**	**0.0269**	**0.6997**	**0.6584**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.0134	0.4184	0.1417	1.44E-03	0.0365	0.0109
	Worker		0.0675	0.0426	0.4988	1.60E-03	0.1662	0.0453
	Total		**0.0809**	**0.4611**	**0.6405**	**3.04E-03**	**0.2027**	**0.0562**
TOTAL			***1.6537***	***14.8460***	***16.8845***	***0.0299***	***0.9024***	***0.7146***

Onsite		**2023**						
	Off-Road		1.5728	14.3849	16.244	0.0269	0.6997	0.6584
	Total		**1.5728**	**14.3849**	**16.244**	**0.0269**	**0.6997**	**0.6584**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.0134	0.4203	0.1417	0.00148	0.0365	0.0109
	Worker		0.0675	0.0426	0.5475	0.0017	0.1662	0.0453
	Total		**0.0809**	**0.4611**	**0.6777**	**0.00318**	**0.2027**	**0.0562**
TOTAL			***1.6537***	***14.8460***	***16.9217***	***0.0301***	***0.9024***	***0.7146***

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2024** Summer						
	Off-Road		1.4716	13.4438	16.1668	0.027	0.6133	0.5769
	Total		**1.4716**	**13.4438**	**16.1668**	**0.027**	**0.6133**	**0.5769**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.0124	0.4187	0.1262	1.47E-03	0.0364	0.0109
	Worker		0.0571	0.0351	0.5104	1.65E-03	0.1662	0.0452
	Total		**0.0695**	**0.4539**	**0.6366**	**3.12E-03**	**0.2026**	**0.0561**
TOTAL			***1.5411***	***13.8977***	***16.8034***	***0.0301***	***0.8159***	***0.6330***
Onsite		**2024** Winter						
	Off-Road		1.4716	13.4438	16.1668	0.027	0.6133	0.5769

	Total	**1.4716**	**13.4438**	**16.1668**	**0.027**	**0.6133**	**0.5769**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0.013	0.4169	0.1374	1.43E-03	0.0365	0.0109
	Worker	0.0641	0.0389	0.4644	1.55E-03	0.1662	0.0452
	Total	**0.0771**	**0.4558**	**0.6018**	**2.98E-03**	**0.2026**	**0.0562**
TOTAL		***1.5487***	***13.8996***	***16.7686***	***0.0300***	***0.8159***	***0.6331***

Onsite	**2024**						
	Off-Road	1.4716	13.4438	16.1668	0.027	0.6133	0.5769
	Total	**1.4716**	**13.4438**	**16.1668**	**0.027**	**0.6133**	**0.5769**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0.013	0.4187	0.1374	0.00147	0.0365	0.0109
	Worker	0.0641	0.0389	0.5104	0.00165	0.1662	0.0452
	Total	**0.0771**	**0.4558**	**0.6366**	**0.00312**	**0.2026**	**0.0562**
TOTAL		***1.5487***	***13.8996***	***16.8034***	***0.0301***	***0.8159***	***0.6331***

P3 Modernization

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023** Summer						
	Off-Road	0	0	0	0	0	0
	Total	**0**	**0**	**0**	**0**	**0**	**0**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	8.47E-03	0.2802	0.0868	9.90E-04	0.0243	7.28E-03
	Worker	0.0339	0.0217	0.308	9.60E-04	0.0935	0.0255
	Total	**0.0424**	**0.3019**	**0.3947**	**1.95E-03**	**0.1178**	**0.0327**
TOTAL		***0.0424***	***0.3019***	***0.3947***	***0.0020***	***0.1178***	***0.0327***

Onsite	**2023** Winter						
	Off-Road	0	0	0	0	0	0
	Total	**0**	**0**	**0**	**0**	**0**	**0**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	8.90E-03	0.279	0.0945	9.60E-04	0.0243	7.30E-03
	Worker	0.038	0.024	0.2806	9.00E-04	0.0935	0.0255
	Total	**0.0469**	**0.3029**	**0.3751**	**1.86E-03**	**0.1178**	**0.0328**
TOTAL		***0.0469***	***0.3029***	***0.3751***	***0.0019***	***0.1178***	***0.0328***

Onsite	**2023**						
	Off-Road	0	0	0	0	0	0
	Total	**0**	**0**	**0**	**0**	**0**	**0**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0.0089	0.2802	0.0945	0.00099	0.0243	0.0073
	Worker	0.038	0.024	0.308	0.00096	0.0935	0.0255
	Total	**0.0469**	**0.3029**	**0.3947**	**0.00195**	**0.1178**	**0.0328**
TOTAL		***0.0469***	***0.3029***	***0.3947***	***0.0020***	***0.1178***	***0.0328***

P3 Building Construction & Modernization (2023)		***1.7006***	***15.1489***	***17.3164***	***0.0320***	***1.0202***	***0.7474***

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2024** Summer						
	Off-Road	0	0	0	0	0	0
	Total	**0**	**0**	**0**	**0**	**0**	**0**
Offsite							

	Hauling	0	0	0	0	0	0
	Vendor	8.26E-03	0.2792	0.0841	9.80E-04	0.0243	7.28E-03
	Worker	0.0321	0.0198	0.2871	9.30E-04	0.0935	0.0254
	Total	**0.0404**	**0.2989**	**0.3712**	**1.91E-03**	**0.1178**	**0.0327**
TOTAL		***0.0404***	***0.2989***	***0.3712***	***0.0019***	***0.1178***	***0.0327***

Onsite — **2024** Winter

	Off-Road	0	0	0	0	0	0
	Total	**0**	**0**	**0**	**0**	**0**	**0**

Offsite

	Hauling	0	0	0	0	0	0
	Vendor	8.68E-03	0.278	0.0916	9.50E-04	0.0243	7.29E-03
	Worker	0.036	0.0219	0.2612	8.70E-04	0.0935	0.0254
	Total	**0.0447**	**0.2998**	**0.3528**	**1.82E-03**	**0.1178**	**0.0327**
TOTAL		***0.0447***	***0.2998***	***0.3528***	***0.0018***	***0.1178***	***0.0327***

Onsite — **2024**

	Off-Road	0	0	0	0	0	0
	Total	**0**	**0**	**0**	**0**	**0**	**0**

Offsite

	Hauling	0	0	0	0	0	0
	Vendor	0.00868	0.2792	0.0916	0.00098	0.0243	0.00729
	Worker	0.036	0.0219	0.2871	0.00093	0.0935	0.0254
	Total	**0.0447**	**0.2998**	**0.3712**	**0.00191**	**0.1178**	**0.0327**
TOTAL		***0.0447***	***0.2998***	***0.3712***	***0.0019***	***0.1178***	***0.0327***

P3 Building Construction & Modernization (2024)		***1.5934***	***14.1994***	***17.1746***	***0.0320***	***0.9337***	***0.6658***

P3 Pave Parking Lot

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total

Onsite — **2024** Summer

	Off-Road	0.9882	9.5246	14.6258	0.0228	0.4685	0.431
	Paving	1.5091				0	0
	Total	**2.4973**	**9.5246**	**14.6258**	**0.0228**	**0.4685**	**0.431**

Offsite

	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0535	0.0329	0.4785	1.54E-03	0.1558	0.0424
	Total	**0.0535**	**0.0329**	**0.4785**	**1.54E-03**	**0.1558**	**0.0424**
TOTAL		***2.5508***	***9.5575***	***15.1043***	***0.0243***	***0.6243***	***0.4734***

Onsite — **2024** Winter

	Off-Road	0.9882	9.5246	14.6258	0.0228	0.4685	0.431
	Paving	1.5091				0	0
	Total	**2.4973**	**9.5246**	**14.6258**	**0.0228**	**0.4685**	**0.431**

Offsite

	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0601	0.0364	0.4354	1.45E-03	0.1558	0.0424
	Total	**0.0601**	**0.0364**	**0.4354**	**1.45E-03**	**0.1558**	**0.0424**
TOTAL		***2.5574***	***9.5610***	***15.0612***	***0.0243***	***0.6243***	***0.4734***

Onsite — **2024**

	Off-Road	0.9882	9.5246	14.6258	0.0228	0.4685	0.431
	Paving	1.5091	0	0	0	0	0
	Total	**2.4973**	**9.5246**	**14.6258**	**0.0228**	**0.4685**	**0.431**

Offsite

	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0601	0.0364	0.4785	0.00154	0.1558	0.0424
	Total	**0.0601**	**0.0364**	**0.4785**	**0.00154**	**0.1558**	**0.0424**
TOTAL		***2.5574***	***9.5610***	***15.1043***	***0.0243***	***0.6243***	***0.4734***

P3 Pave ES Play Area

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2024** Summer						
	Off-Road	0.9882	9.5246	14.6258	0.0228	0.4685	0.431
	Paving	1.5091				0	0
	Total	**2.4973**	**9.5246**	**14.6258**	**0.0228**	**0.4685**	**0.431**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0535	0.0329	0.4785	1.54E-03	0.1558	0.0424
	Total	**0.0535**	**0.0329**	**0.4785**	**1.54E-03**	**0.1558**	**0.0424**
TOTAL		***2.5508***	***9.5575***	***15.1043***	***0.0243***	***0.6243***	***0.4734***
Onsite	**2024** Winter						
	Off-Road	0.9882	9.5246	14.6258	0.0228	0.4685	0.431
	Paving	1.5091				0	0
	Total	**2.4973**	**9.5246**	**14.6258**	**0.0228**	**0.4685**	**0.431**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0601	0.0364	0.4354	1.45E-03	0.1558	0.0424
	Total	**0.0601**	**0.0364**	**0.4354**	**1.45E-03**	**0.1558**	**0.0424**
TOTAL		***2.5574***	***9.5610***	***15.0612***	***0.0243***	***0.6243***	***0.4734***

Onsite	**2024**						
	Off-Road	0.9882	9.5246	14.6258	0.0228	0.4685	0.431
	Paving	1.5091	0	0	0	0	0
	Total	**2.4973**	**9.5246**	**14.6258**	**0.0228**	**0.4685**	**0.431**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0601	0.0364	0.4785	0.00154	0.1558	0.0424
	Total	**0.0601**	**0.0364**	**0.4785**	**0.00154**	**0.1558**	**0.0424**
TOTAL		***2.5574***	***9.5610***	***15.1043***	***0.0243***	***0.6243***	***0.4734***

P3 Architectural Coating

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2024** Summer						
	Archit. Coating	23.0888				0	0
	Off-Road	0.1808	1.2188	1.8101	2.97E-03	0.0609	0.0609
	Total	**23.2696**	**1.2188**	**1.8101**	**2.97E-03**	**0.0609**	**0.0609**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0107	6.59E-03	0.0957	3.10E-04	0.0312	8.48E-03
	Total	**0.0107**	**6.59E-03**	**0.0957**	**3.10E-04**	**0.0312**	**8.48E-03**
TOTAL		***23.2803***	***1.2254***	***1.9058***	***0.0033***	***0.0921***	***0.0694***
Onsite	**2024** Winter						
	Archit. Coating	23.0888				0	0
	Off-Road	0.1808	1.2188	1.8101	2.97E-03	0.0609	0.0609

	Total	**23.2696**	**1.2188**	**1.8101**	**2.97E-03**	**0.0609**	**0.0609**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.012	7.29E-03	0.0871	2.90E-04	0.0312	8.48E-03
	Total	**0.012**	**7.29E-03**	**0.0871**	**2.90E-04**	**0.0312**	**8.48E-03**
TOTAL		***23.2816***	***1.2261***	***1.8972***	***0.0033***	***0.0921***	***0.0694***
Onsite	**2024**						
	Archit. Coating	23.0888	0	0	0	0	0
	Off-Road	0.1808	1.2188	1.8101	0.00297	0.0609	0.0609
	Total	**23.2696**	**1.2188**	**1.8101**	**0.00297**	**0.0609**	**0.0609**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.012	0.00729	0.0957	0.00031	0.0312	0.00848
	Total	**0.012**	**0.00729**	**0.0957**	**0.00031**	**0.0312**	**0.00848**
TOTAL		***23.2816***	***1.2261***	***1.9058***	***0.0033***	***0.0921***	***0.0694***
P3 Bldg Const, Modern, Parking, Pave, & Coating		***29.9898***	***34.5475***	***49.2890***	***0.0840***	***2.2744***	***1.6820***
MAX DAILY		**29.99**	**34.55**	**49.29**	**0.08**	**3.73**	**2.19**
Regional Thresholds		**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds?		No	No	No	No	No	No

P4 Secondary Play Area Demolition

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2024 Summer**						
	Fugitive Dust					0.7027	0.1064
	Off-Road	2.2437	20.8781	19.7073	0.0388	0.9602	0.8922
	Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**	**1.6629**	**0.9986**
Offsite							
	Hauling	0.0399	1.2465	0.4388	5.59E-03	0.1267	0.0365
	Vendor	0.00E+00	0	0	0.00E+00	0	0.00E+00
	Worker	0.0535	0.0329	0.4785	1.54E-03	0.1558	0.0424
	Total	**0.0934**	**1.2794**	**0.9173**	**7.13E-03**	**0.2825**	**0.0789**
TOTAL		***2.3371***	***22.1575***	***20.6246***	***0.0459***	***1.9454***	***1.0775***
Onsite	**2024 Winter**						
	Fugitive Dust					0.7027	0.1064
	Off-Road	2.2437	20.8781	19.7073	0.0388	0.9602	0.8922
	Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**	**1.6629**	**0.9986**
Offsite							
	Hauling	0.0408	1.2556	0.457	5.49E-03	0.1268	0.0366
	Vendor	0	0	0	0	0	0
	Worker	0.0601	0.0364	0.4354	1.45E-03	0.1558	0.0424
	Total	**0.1009**	**1.292**	**0.8924**	**6.94E-03**	**0.2826**	**0.079**
TOTAL		***2.3446***	***22.1701***	***20.5997***	***0.0457***	***1.9455***	***1.0776***
Onsite	**2024**						
	Fugitive Dust	0	0	0	0	0.7027	0.1064
	Off-Road	2.2437	20.8781	19.7073	0.0388	0.9602	0.8922
	Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**	**1.6629**	**0.9986**
Offsite							
	Hauling	0.0408	1.2556	0.457	0.00559	0.1268	0.0366
	Vendor	0	0	0	0	0	0

	Worker	0.0601	0.0364	0.4785	0.00154	0.1558	0.0424
	Total	**0.1009**	**1.292**	**0.9173**	**0.00713**	**0.2826**	**0.079**
TOTAL		***2.3446***	***22.1701***	***20.6246***	***0.0459***	***1.9455***	***1.0776***

P4 Grading

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2024** Summer						
	Fugitive Dust					2.8011	1.4396
	Off-Road	1.6617	17.031	14.7594	0.0297	0.7244	0.6665
	Total	**1.6617**	**17.031**	**14.7594**	**0.0297**	**3.5255**	**2.1061**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0.00E+00	0	0	0.00E+00	0	0.00E+00
	Worker	0.0535	0.0329	0.4785	1.54E-03	0.1558	0.0424
	Total	**0.0535**	**0.0329**	**0.4785**	**1.54E-03**	**0.1558**	**0.0424**
TOTAL		***1.7152***	***17.0639***	***15.2379***	***0.0312***	***3.6813***	***2.1485***
Onsite	**2024 Winter**						
	Fugitive Dust					2.8011	1.4396
	Off-Road	1.6617	17.031	14.7594	0.0297	0.7244	0.6665
	Total	**1.6617**	**17.031**	**14.7594**	**0.0297**	**3.5255**	**2.1061**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0601	0.0364	0.4354	1.45E-03	0.1558	0.0424
	Total	**0.0601**	**0.0364**	**0.4354**	**1.45E-03**	**0.1558**	**0.0424**
TOTAL		***1.7218***	***17.0674***	***15.1948***	***0.0312***	***3.6813***	***2.1485***
Onsite	**2024**						
	Fugitive Dust	0	0	0	0	2.8011	1.4396
	Off-Road	1.6617	17.031	14.7594	0.0297	0.7244	0.6665
	Total	**1.6617**	**17.031**	**14.7594**	**0.0297**	**3.5255**	**2.1061**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0601	0.0364	0.4785	0.00154	0.1558	0.0424
	Total	**0.0601**	**0.0364**	**0.4785**	**0.00154**	**0.1558**	**0.0424**
TOTAL		***1.7218***	***17.0674***	***15.2379***	***0.0312***	***3.6813***	***2.1485***

P4 Repaving

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2024** Summer						
	Off-Road	0.9882	9.5246	14.6258	0.0228	0.4685	0.431
	Paving	3.0182				0	0
	Total	**4.0064**	**9.5246**	**14.6258**	**0.0228**	**0.4685**	**0.431**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0535	0.0329	0.4785	1.54E-03	0.1558	0.0424
	Total	**0.0535**	**0.0329**	**0.4785**	**1.54E-03**	**0.1558**	**0.0424**
TOTAL		***4.0599***	***9.5575***	***15.1043***	***0.0243***	***0.6243***	***0.4734***
Onsite	**2024** Winter						
	Off-Road	0.9882	9.5246	14.6258	0.0228	0.4685	0.431
	Paving	3.0182				0	0
	Total	**4.0064**	**9.5246**	**14.6258**	**0.0228**	**0.4685**	**0.431**
Offsite							

	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0601	0.0364	0.4354	1.45E-03	0.1558	0.0424
	Total	**0.0601**	**0.0364**	**0.4354**	**1.45E-03**	**0.1558**	**0.0424**
TOTAL		***4.0665***	***9.5610***	***15.0612***	***0.0243***	***0.6243***	***0.4734***

Onsite		**2024**					
	Off-Road	0.9882	9.5246	14.6258	0.0228	0.4685	0.431
	Paving	3.0182	0	0	0	0	0
	Total	**4.0064**	**9.5246**	**14.6258**	**0.0228**	**0.4685**	**0.431**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0601	0.0364	0.4785	0.00154	0.1558	0.0424
	Total	**0.0601**	**0.0364**	**0.4785**	**0.00154**	**0.1558**	**0.0424**
TOTAL		***4.0665***	***9.5610***	***15.1043***	***0.0243***	***0.6243***	***0.4734***

P4 Building Construction - Kindergarten

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2024** Summer						
	Off-Road		1.6831	15.3543	18.2154	0.0365	0.6763	0.6348
	Total		**1.6831**	**15.3543**	**18.2154**	**0.0365**	**0.6763**	**0.6348**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		2.07E-03	0.0698	0.021	2.50E-04	6.07E-03	1.82E-03
	Worker		0.0107	6.59E-03	0.0957	3.10E-04	0.0312	8.48E-03
	Total		**0.0128**	**0.0764**	**0.1167**	**5.60E-04**	**0.0372**	**0.0103**
TOTAL			***1.6959***	***15.4307***	***18.3321***	***0.0371***	***0.7135***	***0.6451***
Onsite		**2024** Winter						
	Off-Road		1.6831	15.3543	18.2154	0.0365	0.6763	0.6348
	Total		**1.6831**	**15.3543**	**18.2154**	**0.0365**	**0.6763**	**0.6348**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		2.17E-03	0.0695	0.0229	2.40E-04	6.08E-03	1.82E-03
	Worker		0.012	7.29E-03	0.0871	2.90E-04	0.0312	8.48E-03
	Total		**0.0142**	**0.0768**	**0.11**	**5.30E-04**	**0.0372**	**0.0103**
TOTAL			***1.6973***	***15.4311***	***18.3254***	***0.0370***	***0.7135***	***0.6451***

Onsite		**2024**					
	Off-Road	1.6831	15.3543	18.2154	0.0365	0.6763	0.6348
	Total	**1.6831**	**15.3543**	**18.2154**	**0.0365**	**0.6763**	**0.6348**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0.00217	0.0698	0.0229	0.00025	0.00608	0.00182
	Worker	0.012	0.00729	0.0957	0.00031	0.0312	0.00848
	Total	**0.0142**	**0.0768**	**0.1167**	**0.00056**	**0.0372**	**0.0103**
TOTAL		***1.6973***	***15.4311***	***18.3321***	***0.0371***	***0.7135***	***0.6451***

P4 Building Modernizations

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2024** Summer						
	Off-Road		0	0	0	0	0	0
	Total		**0**	**0**	**0**	**0**	**0**	**0**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.0331	1.1166	0.3364	3.92E-03	0.0972	0.0291

	Worker	0.1427	0.0878	1.2761	4.12E-03	0.4155	0.1131
	Total	**0.1757**	**1.2045**	**1.6125**	**8.04E-03**	**0.5126**	**0.1422**
TOTAL		***0.1757***	***1.2045***	***1.6125***	***0.0080***	***0.5126***	***0.1422***
Onsite	**2024** Winter						
	Off-Road	0	0	0	0	0	0
	Total	**0**	**0**	**0**	**0**	**0**	**0**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0.0347	1.1118	0.3664	3.82E-03	0.0972	0.0292
	Worker	0.1602	0.0972	1.161	3.87E-03	0.4155	0.1131
	Total	**0.1949**	**1.209**	**1.5274**	**7.69E-03**	**0.5127**	**0.1422**
TOTAL		***0.1949***	***1.2090***	***1.5274***	***0.0077***	***0.5127***	***0.1422***
Onsite	**2024**						
	Off-Road	0	0	0	0	0	0
	Total	**0**	**0**	**0**	**0**	**0**	**0**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0.0347	1.1166	0.3664	0.00392	0.0972	0.0292
	Worker	0.1602	0.0972	1.2761	0.00412	0.4155	0.1131
	Total	**0.1949**	**1.209**	**1.6125**	**0.00804**	**0.5127**	**0.1422**
TOTAL		***0.1949***	***1.2090***	***1.6125***	***0.0080***	***0.5127***	***0.1422***
P4 Building Construction & Modernization (2024)		***1.8922***	***16.6401***	***19.9446***	***0.0451***	***1.2262***	***0.7873***

P4 Architectural Coating - Existing Buildings

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2024** Summer						
	Archit. Coating	8.2079				0	0
	Off-Road	0.1808	1.2188	1.8101	2.97E-03	0.0609	0.0609
	Total	**8.3887**	**1.2188**	**1.8101**	**2.97E-03**	**0.0609**	**0.0609**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0285	0.0176	0.2552	8.20E-04	0.0831	0.0226
	Total	**0.0285**	**0.0176**	**0.2552**	**8.20E-04**	**0.0831**	**0.0226**
TOTAL		***8.4172***	***1.2364***	***2.0653***	***0.0038***	***0.1440***	***0.0835***
Onsite	**2024** Winter						
	Archit. Coating	8.2079				0	0
	Off-Road	0.1808	1.2188	1.8101	2.97E-03	0.0609	0.0609
	Total	**8.3887**	**1.2188**	**1.8101**	**2.97E-03**	**0.0609**	**0.0609**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.032	0.0194	0.2322	7.70E-04	0.0831	0.0226
	Total	**0.032**	**0.0194**	**0.2322**	**7.70E-04**	**0.0831**	**0.0226**
TOTAL		***8.4207***	***1.2382***	***2.0423***	***0.0037***	***0.1440***	***0.0835***
Onsite	**2024**						
	Archit. Coating	8.2079	0	0	0	0	0
	Off-Road	0.1808	1.2188	1.8101	0.00297	0.0609	0.0609
	Total	**8.3887**	**1.2188**	**1.8101**	**0.00297**	**0.0609**	**0.0609**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0

	Worker	0.032	0.0194	0.2552	0.00082	0.0831	0.0226
	Total	**0.032**	**0.0194**	**0.2552**	**0.00082**	**0.0831**	**0.0226**
TOTAL		***8.4207***	***1.2382***	***2.0653***	***0.0038***	***0.1440***	***0.0835***
	P4 Bldg Const, Modern, Ex Coating	***10.3129***	***17.8783***	***22.0099***	***0.0489***	***1.3702***	***0.8708***

P4 Pave Kindergarten Area

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2024** Summer						
	Off-Road	0.9882	9.5246	14.6258	0.0228	0.4685	0.431
	Paving	3.0182				0	0
	Total	**4.0064**	**9.5246**	**14.6258**	**0.0228**	**0.4685**	**0.431**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0535	0.0329	0.4785	1.54E-03	0.1558	0.0424
	Total	**0.0535**	**0.0329**	**0.4785**	**1.54E-03**	**0.1558**	**0.0424**
TOTAL		***4.0599***	***9.5575***	***15.1043***	***0.0243***	***0.6243***	***0.4734***
Onsite	**2024** Winter						
	Off-Road	0.9882	9.5246	14.6258	0.0228	0.4685	0.431
	Paving	3.0182				0	0
	Total	**4.0064**	**9.5246**	**14.6258**	**0.0228**	**0.4685**	**0.431**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0601	0.0364	0.4354	1.45E-03	0.1558	0.0424
	Total	**0.0601**	**0.0364**	**0.4354**	**1.45E-03**	**0.1558**	**0.0424**
TOTAL		***4.0665***	***9.5610***	***15.0612***	***0.0243***	***0.6243***	***0.4734***

Onsite	**2024**						
	Off-Road	0.9882	9.5246	14.6258	0.0228	0.4685	0.431
	Paving	3.0182	0	0	0	0	0
	Total	**4.0064**	**9.5246**	**14.6258**	**0.0228**	**0.4685**	**0.431**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0601	0.0364	0.4785	0.00154	0.1558	0.0424
	Total	**0.0601**	**0.0364**	**0.4785**	**0.00154**	**0.1558**	**0.0424**
TOTAL		***4.0665***	***9.5610***	***15.1043***	***0.0243***	***0.6243***	***0.4734***
	P4 Bldg Cont, Modern, Kindergarten Coating, Ex Coating, & Pave	***25.4323***	***28.6605***	***38.9562***	***0.0763***	***2.0658***	***1.4079***

P4 Architectural Coating - Kindergarten

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2024** Summer						
	Archit. Coating	10.8682				0	0
	Off-Road	0.1808	1.2188	1.8101	2.97E-03	0.0609	0.0609
	Total	**11.0489**	**1.2188**	**1.8101**	**2.97E-03**	**0.0609**	**0.0609**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	3.57E-03	2.20E-03	0.0319	1.00E-04	0.0104	2.83E-03
	Total	**3.57E-03**	**2.20E-03**	**0.0319**	**1.00E-04**	**0.0104**	**2.83E-03**
TOTAL		***11.0525***	***1.2210***	***1.8420***	***0.0031***	***0.0713***	***0.0637***

Onsite		**2024** Winter					
	Archit. Coating	10.8682				0	0
	Off-Road	0.1808	1.2188	1.8101	2.97E-03	0.0609	0.0609
	Total	**11.0489**	**1.2188**	**1.8101**	**2.97E-03**	**0.0609**	**0.0609**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	4.00E-03	2.43E-03	0.029	1.00E-04	0.0104	2.83E-03
	Total	**4.00E-03**	**2.43E-03**	**0.029**	**1.00E-04**	**0.0104**	**2.83E-03**
TOTAL		***11.0529***	***1.2212***	***1.8391***	***0.0031***	***0.0713***	***0.0637***

Onsite		**2024**					
	Archit. Coating	10.8682	0	0	0	0	0
	Off-Road	0.1808	1.2188	1.8101	0.00297	0.0609	0.0609
	Total	**11.0489**	**1.2188**	**1.8101**	**0.00297**	**0.0609**	**0.0609**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.004	0.00243	0.0319	0.0001	0.0104	0.00283
	Total	**0.004**	**0.00243**	**0.0319**	**0.0001**	**0.0104**	**0.00283**
TOTAL		***11.0529***	***1.2212***	***1.8420***	***0.0031***	***0.0713***	***0.0637***

P4 Portables Removal

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2024** Summer					
	Off-Road	0.3318	3.5043	1.7747	5.77E-03	0.1458	0.1341
	Total	**0.3318**	**3.5043**	**1.7747**	**5.77E-03**	**0.1458**	**0.1341**
Offsite							
	Hauling	0.0313	0.9794	0.3448	4.39E-03	0.1305	0.0363
	Vendor	0	0	0	0	0	0
	Worker	0.0107	6.59E-03	0.0957	3.10E-04	0.0312	8.48E-03
	Total	**0.042**	**0.986**	**0.4405**	**4.70E-03**	**0.1617**	**0.0448**
TOTAL		***0.3738***	***4.4903***	***2.2152***	***0.0105***	***0.3075***	***0.1789***

Onsite		**2024** Winter					
	Off-Road	0.3318	3.5043	1.7747	5.77E-03	0.1458	0.1341
	Total	**0.3318**	**3.5043**	**1.7747**	**5.77E-03**	**0.1458**	**0.1341**
Offsite							
	Hauling	0.0321	0.9865	0.3591	4.32E-03	0.1305	0.0363
	Vendor	0	0	0	0	0	0
	Worker	0.012	7.29E-03	0.0871	2.90E-04	0.0312	8.48E-03
	Total	**0.0441**	**0.9938**	**0.4461**	**4.61E-03**	**0.1617**	**0.0448**
TOTAL		***0.3759***	***4.4981***	***2.2208***	***0.0104***	***0.3075***	***0.1789***

Onsite		**2024**					
	Off-Road	0.3318	3.5043	1.7747	0.00577	0.1458	0.1341
	Total	**0.3318**	**3.5043**	**1.7747**	**0.00577**	**0.1458**	**0.1341**
Offsite							
	Hauling	0.0321	0.9865	0.3591	0.00439	0.1305	0.0363
	Vendor	0	0	0	0	0	0
	Worker	0.012	0.00729	0.0957	0.00031	0.0312	0.00848
	Total	**0.0441**	**0.9938**	**0.4461**	**0.0047**	**0.1617**	**0.0448**
TOTAL		***0.3759***	***4.4981***	***2.2208***	***0.0105***	***0.3075***	***0.1789***

P4 Bldg Cont, Modern, Kindergarten Coating, Ex Coating, Pave, & Portables Removal		***25.8082***	***33.1586***	***41.1770***	***0.0868***	***2.3733***	***1.5868***

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2025** Summer						
Off-Road		0.3128	3.1679	1.7365	5.77E-03	0.1347	0.1239
Total		**0.3128**	**3.1679**	**1.7365**	**5.77E-03**	**0.1347**	**0.1239**
Offsite							
Hauling		0.0312	0.9656	0.3473	4.36E-03	0.268	0.07
Vendor		0	0	0	0	0	0
Worker		0.0102	6.03E-03	0.0889	3.00E-04	0.0312	8.48E-03
Total		**0.0413**	**0.9716**	**0.4362**	**4.66E-03**	**0.2991**	**0.0785**
TOTAL		***0.3541***	***4.1395***	***2.1727***	***0.0104***	***0.4338***	***0.2024***
Onsite	**2025** Winter						
Off-Road		0.3128	3.1679	1.7365	5.77E-03	0.1347	0.1239
Total		**0.3128**	**3.1679**	**1.7365**	**5.77E-03**	**0.1347**	**0.1239**
Offsite							
Hauling		0.0319	0.9726	0.3614	4.29E-03	0.268	0.0701
Vendor		0	0	0	0	0	0
Worker		0.0114	6.67E-03	0.0808	2.80E-04	0.0312	8.48E-03
Total		**0.0433**	**0.9793**	**0.4422**	**4.57E-03**	**0.2992**	**0.0786**
TOTAL		***0.3561***	***4.1472***	***2.1787***	***0.0103***	***0.4339***	***0.2025***
Onsite	**2025**						
Off-Road		0.3128	3.1679	1.7365	0.00577	0.1347	0.1239
Total		**0.3128**	**3.1679**	**1.7365**	**0.00577**	**0.1347**	**0.1239**
Offsite							
Hauling		0.0319	0.9726	0.3614	0.00436	0.268	0.0701
Vendor		0	0	0	0	0	0
Worker		0.0114	0.00667	0.0889	0.0003	0.0312	0.00848
Total		**0.0433**	**0.9793**	**0.4422**	**0.00466**	**0.2992**	**0.0786**
TOTAL		***0.3561***	***4.1472***	***2.1787***	***0.0104***	***0.4339***	***0.2025***
MAX DAILY		**25.81**	**33.16**	**41.18**	**0.09**	**3.68**	**2.15**
Regional Thresholds		**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds?		No	No	No	No	No	No

P5 Asphalt Paving

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2025** Summer						
Off-Road		0.9152	8.5816	14.578	0.0228	0.4185	0.385
Paving		1.5091				0	0
Total		**2.4243**	**8.5816**	**14.578**	**0.0228**	**0.4185**	**0.385**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.0508	0.0301	0.4445	1.48E-03	0.1558	0.0424
Total		**0.0508**	**0.0301**	**0.4445**	**1.48E-03**	**0.1558**	**0.0424**
TOTAL		***2.4751***	***8.6117***	***15.0225***	***0.0243***	***0.5743***	***0.4274***
Onsite	**2025** Winter						
Off-Road		0.9152	8.5816	14.578	0.0228	0.4185	0.385
Paving		1.5091				0	0
Total		**2.4243**	**8.5816**	**14.578**	**0.0228**	**0.4185**	**0.385**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.0572	0.0333	0.404	1.40E-03	0.1558	0.0424

	Total	0.0572	0.0333	0.404	1.40E-03	0.1558	0.0424
TOTAL		***2.4815***	***8.6149***	***14.9820***	***0.0242***	***0.5743***	***0.4274***
Onsite	**2025**						
Off-Road		0.9152	8.5816	14.578	0.0228	0.4185	0.385
Paving		1.5091	0	0	0	0	0
Total		**2.4243**	**8.5816**	**14.578**	**0.0228**	**0.4185**	**0.385**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.0572	0.0333	0.4445	0.00148	0.1558	0.0424
Total		**0.0572**	**0.0333**	**0.4445**	**0.00148**	**0.1558**	**0.0424**
TOTAL		***2.4815***	***8.6149***	***15.0225***	***0.0243***	***0.5743***	***0.4274***
P4 Portables Removal & P5 Paving		***2.8376***	***12.7621***	***17.2012***	***0.0347***	***1.0082***	***0.6299***

P5 Finishing/Landscaping

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2025** Summer						
Off-Road		0.3732	3.2784	7.1851	0.0113	0.1465	0.1348
Total		**0.3732**	**3.2784**	**7.1851**	**0.0113**	**0.1465**	**0.1348**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.0271	0.0161	0.237	7.90E-04	0.0831	0.0226
Total		**0.0271**	**0.0161**	**0.237**	**7.90E-04**	**0.0831**	**0.0226**
TOTAL		***0.4003***	***3.2945***	***7.4221***	***0.0121***	***0.2296***	***0.1574***
Onsite	**2025** Winter						
Off-Road		0.3732	3.2784	7.1851	0.0113	0.1465	0.1348
Total		**0.3732**	**3.2784**	**7.1851**	**0.0113**	**0.1465**	**0.1348**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.0305	0.0178	0.2155	7.40E-04	0.0831	0.0226
Total		**0.0305**	**0.0178**	**0.2155**	**7.40E-04**	**0.0831**	**0.0226**
TOTAL		***0.4037***	***3.2962***	***7.4006***	***0.0120***	***0.2296***	***0.1574***
Onsite	**2025**						
Off-Road		0.3732	3.2784	7.1851	0.0113	0.1465	0.1348
Total		**0.3732**	**3.2784**	**7.1851**	**0.0113**	**0.1465**	**0.1348**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.0305	0.0178	0.237	0.00079	0.0831	0.0226
Total		**0.0305**	**0.0178**	**0.237**	**0.00079**	**0.0831**	**0.0226**
TOTAL		***0.4037***	***3.2962***	***7.4221***	***0.0121***	***0.2296***	***0.1574***
MAX DAILY		**2.84**	**12.76**	**17.20**	**0.03**	**1.01**	**0.63**
Regional Thresholds		**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds?		No	No	No	No	No	No

Localized Construction Emissions Worksheet: Elizabeth Learning Center Project

P1 Site Preparation

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2021**				
	Fugitive Dust				7.7233	4.2454
	Off-Road		40.4971	21.1543	2.0445	1.8809
	Total		**40.4971**	**21.1543**	**9.7678**	**6.1263**
TOTAL			***40.4971***	***21.1543***	***9.7678***	***6.1263***
Onsite		**2021**				
	Fugitive Dust				7.7233	4.2454
	Off-Road		40.4971	21.1543	2.0445	1.8809
	Total		**40.4971**	**21.1543**	**9.7678**	**6.1263**
TOTAL			***40.4971***	***21.1543***	***9.7678***	***6.1263***
Onsite		**2021**				
	Fugitive Dust		0	0	7.7233	4.2454
	Off-Road		40.4971	21.1543	2.0445	1.8809
	Total		**40.4971**	**21.1543**	**9.7678**	**6.1263**
Offsite						
	Hauling		0	0	0	0
	Vendor		0	0	0	0
	Worker		0	0	0	0
	Total		**0**	**0**	**0**	**0**
TOTAL			***40.4971***	***21.1543***	***9.7678***	***6.1263***
	3.50-Acre LSTs		***82***	***488***	***9.99***	***5.50***
	Exceeds LSTs?		***No***	***No***	***No***	***Yes***

P1 Utility Trenching

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2021**				
	Off-Road		7.0871	7.6164	0.3083	0.2836
	Total		**7.0871**	**7.6164**	**0.3083**	**0.2836**

TOTAL		***7.0871***	***7.6164***	***0.3083***	***0.2836***
Onsite	**2021**				
	Off-Road	7.0871	7.6164	0.3083	0.2836
	Total	**7.0871**	**7.6164**	**0.3083**	**0.2836**

TOTAL		***7.0871***	***7.6164***	***0.3083***	***0.2836***
Onsite	**2021**				
	Off-Road	7.0871	7.6164	0.3083	0.2836
	Total	**7.0871**	**7.6164**	**0.3083**	**0.2836**
Offsite					
	Hauling	0	0	0	0
	Vendor	0	0	0	0

	Worker	0	0	0	0
	Total	**0**	**0**	**0**	**0**
TOTAL		***7.0871***	***7.6164***	***0.3083***	***0.2836***
	1.00-Acre LSTs	***46***	***231***	***4.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P1 Portables Installation

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
Off-Road		4.8493	1.9829	0.1969	0.1811
Total		**4.8493**	**1.9829**	**0.1969**	**0.1811**
TOTAL		***4.8493***	***1.9829***	***0.1969***	***0.1811***
Onsite	**2021**				
Off-Road		4.8493	1.9829	0.1969	0.1811
Total		**4.8493**	**1.9829**	**0.1969**	**0.1811**
TOTAL		***4.8493***	***1.9829***	***0.1969***	***0.1811***
Onsite	**2021**				
Off-Road		4.8493	1.9829	0.1969	0.1811
Total		**4.8493**	**1.9829**	**0.1969**	**0.1811**
Offsite					
Hauling		0	0	0	0
Vendor		0	0	0	0
Worker		0	0	0	0
Total		**0**	**0**	**0**	**0**
TOTAL		***4.8493***	***1.9829***	***0.1969***	***0.1811***
P1 Utility Trenching & Portables Installation		***11.9364***	***9.5993***	***0.5052***	***0.4647***
	1.00-Acre LSTs	***46***	***231***	***4.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P1 Portables Removal

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
Off-Road		4.8493	1.9829	0.1969	0.1811

	Total	**4.8493**	**1.9829**	**0.1969**	**0.1811**
TOTAL		***4.8493***	***1.9829***	***0.1969***	***0.1811***
Onsite	**2021**				
	Off-Road	4.8493	1.9829	0.1969	0.1811
	Total	**4.8493**	**1.9829**	**0.1969**	**0.1811**
TOTAL		***4.8493***	***1.9829***	***0.1969***	***0.1811***
Onsite	**2021**				
	Off-Road	4.8493	1.9829	0.1969	0.1811
	Total	**4.8493**	**1.9829**	**0.1969**	**0.1811**
Offsite					
	Hauling	0	0	0	0
	Vendor	0	0	0	0
	Worker	0	0	0	0
	Total	**0**	**0**	**0**	**0**
TOTAL		***4.8493***	***1.9829***	***0.1969***	***0.1811***
	Total	**4.8493**	**1.9829**	**0.1969**	**0.1811**
TOTAL		***4.8493***	***1.9829***	***0.1969***	***0.1811***
P1 Utility Trenching & Portables Removal		***11.9364***	***9.5993***	***0.5052***	***0.4647***
	1.00-Acre LSTs	***46***	***231***	***4.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P1 Handball Court Demolition

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
Fugitive Dust				0.2367	0.0358
Off-Road		31.4407	21.565	1.5513	1.4411
Total		**31.4407**	**21.565**	**1.7881**	**1.4769**
TOTAL		***31.4407***	***21.5650***	***1.7881***	***1.4769***

Onsite		**2021**				
	Fugitive Dust				0.2367	0.0358
	Off-Road		31.4407	21.565	1.5513	1.4411
	Total		**31.4407**	**21.565**	**1.7881**	**1.4769**
TOTAL			***31.4407***	***21.5650***	***1.7881***	***1.4769***
Onsite		**2021**				
	Fugitive Dust		0	0	0.2367	0.0358
	Off-Road		31.4407	21.565	1.5513	1.4411
	Total		**31.4407**	**21.565**	**1.7881**	**1.4769**
Offsite						
	Hauling		0	0	0	0
	Vendor		0	0	0	0
	Worker		0	0	0	0
	Total		**0**	**0**	**0**	**0**
TOTAL			***31.4407***	***21.5650***	***1.7881***	***1.4769***
	P1 Utility Trenching & Handball Demo		***38.5278***	***29.1814***	***2.0964***	***1.7605***
	1.50-Acre LSTs		***56***	***288***	***5.50***	***3.50***
	Exceeds LSTs?		***No***	***No***	***No***	***No***

P1 Building Construction - Secondary Building

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2021**				
	Off-Road		17.4321	16.5752	0.9586	0.9013
	Total		**17.4321**	**16.5752**	**0.9586**	**0.9013**
TOTAL			***17.4321***	***16.5752***	***0.9586***	***0.9013***
Onsite		**2021**				
	Off-Road		17.4321	16.5752	0.9586	0.9013
	Total		**17.4321**	**16.5752**	**0.9586**	**0.9013**

TOTAL			***17.4321***	***16.5752***	***0.9586***	***0.9013***
Onsite		**2021**				
	Off-Road		17.4321	16.5752	0.9586	0.9013
	Total		**17.4321**	**16.5752**	**0.9586**	**0.9013**
Offsite						
	Hauling		0	0	0	0
	Vendor		0	0	0	0
	Worker		0	0	0	0
	Total		**0**	**0**	**0**	**0**
TOTAL			***17.4321***	***16.5752***	***0.9586***	***0.9013***

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2022**				
	Off-Road		15.6156	16.3634	0.809	0.7612
	Total		**15.6156**	**16.3634**	**0.809**	**0.7612**
TOTAL			***15.6156***	***16.3634***	***0.8090***	***0.7612***

Onsite		**2022**				
	Off-Road		15.6156	16.3634	0.809	0.7612
	Total		**15.6156**	**16.3634**	**0.809**	**0.7612**
TOTAL			***15.6156***	***16.3634***	***0.8090***	***0.7612***

Onsite		**2022**				
	Off-Road		15.6156	16.3634	0.809	0.7612
	Total		**15.6156**	**16.3634**	**0.809**	**0.7612**
Offsite						
	Hauling		0	0	0	0
	Vendor		0	0	0	0
	Worker		0	0	0	0
	Total		**0**	**0**	**0**	**0**
TOTAL			***15.6156***	***16.3634***	***0.8090***	***0.7612***

P1 Building Modernization

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2021**				
	Off-Road		0	0	0	0
	Total		**0**	**0**	**0**	**0**

TOTAL		***0.0000***	***0.0000***	***0.0000***	***0.0000***
Onsite	**2021**				
	Off-Road	0	0	0	0
	Total	**0**	**0**	**0**	**0**
TOTAL		***0.0000***	***0.0000***	***0.0000***	***0.0000***
Onsite	**2021**				
	Off-Road	0	0	0	0
	Total	**0**	**0**	**0**	**0**
Offsite					
	Hauling	0	0	0	0
	Vendor	0	0	0	0
	Worker	0	0	0	0
	Total	**0**	**0**	**0**	**0**
TOTAL		***0.0000***	***0.0000***	***0.0000***	***0.0000***
P1 Building Construction & Modernizations (2021)		***17.4321***	***16.5752***	***0.9586***	***0.9013***
	1.31-Acre LSTs	***52***	***267***	***4.94***	***3.31***
	Exceeds LSTs?	***No***	***No***	***No***	***No***
P1 Trenching, Building Construction & Modernizations (2021)		***24.5192***	***24.1916***	***1.2669***	***1.1849***
	1.81-Acre LSTs	***61***	***324***	***6.43***	***3.81***
	Exceeds LSTs?	***No***	***No***	***No***	***No***
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2022**				
	Off-Road	0	0	0	0
	Total	**0**	**0**	**0**	**0**
TOTAL		***0.0000***	***0.0000***	***0.0000***	***0.0000***

Onsite		**2022**			
	Off-Road	0	0	0	0
	Total	**0**	**0**	**0**	**0**
TOTAL		***0.0000***	***0.0000***	***0.0000***	***0.0000***
Onsite		**2022**			
	Off-Road	0	0	0	0
	Total	**0**	**0**	**0**	**0**
Offsite					
	Hauling	0	0	0	0
	Vendor	0	0	0	0
	Worker	0	0	0	0
	Total	**0**	**0**	**0**	**0**
TOTAL		***0.0000***	***0.0000***	***0.0000***	***0.0000***
P1 Building Construction & Modernizations (2022)		***15.6156***	***16.3634***	***0.8090***	***0.7612***
	1.31-Acre LSTs	***52***	***267***	***4.94***	***3.31***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P1 Architectural Coating - Secondary Building

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2022**				
	Archit. Coating				0	0
	Off-Road		1.4085	1.8136	0.0817	0.0817
	Total		**1.4085**	**1.8136**	**0.0817**	**0.0817**
TOTAL			***1.4085***	***1.8136***	***0.0817***	***0.0817***
Onsite		**2022**				
	Archit. Coating				0	0
	Off-Road		1.4085	1.8136	0.0817	0.0817
	Total		**1.4085**	**1.8136**	**0.0817**	**0.0817**

TOTAL			***1.4085***	***1.8136***	***0.0817***	***0.0817***
Onsite		**2022**				
	Archit. Coating		0	0	0	0
	Off-Road		1.4085	1.8136	0.0817	0.0817
	Total		**1.4085**	**1.8136**	**0.0817**	**0.0817**
Offsite						
	Hauling		0	0	0	0
	Vendor		0	0	0	0
	Worker		0	0	0	0
	Total		**0**	**0**	**0**	**0**
TOTAL			***1.4085***	***1.8136***	***0.0817***	***0.0817***

P1 Architectural Coating - Modernization

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2022**				
	Archit. Coating				0	0
	Off-Road		1.4085	1.8136	0.0817	0.0817
	Total		**1.4085**	**1.8136**	**0.0817**	**0.0817**
TOTAL			***1.4085***	***1.8136***	***0.0817***	***0.0817***

Onsite		**2022**				
	Archit. Coating				0	0
	Off-Road		1.4085	1.8136	0.0817	0.0817
	Total		**1.4085**	**1.8136**	**0.0817**	**0.0817**
TOTAL			***1.4085***	***1.8136***	***0.0817***	***0.0817***

Onsite		**2022**				
	Archit. Coating		0	0	0	0
	Off-Road		1.4085	1.8136	0.0817	0.0817
	Total		**1.4085**	**1.8136**	**0.0817**	**0.0817**
Offsite						
	Hauling		0	0	0	0
	Vendor		0	0	0	0
	Worker		0	0	0	0
	Total		**0**	**0**	**0**	**0**
TOTAL			***1.4085***	***1.8136***	***0.0817***	***0.0817***

P1 Building Construction/Coating & Modernization/Coating		***18.4326***	***19.9906***	***0.9724***	***0.9246***
	1.31-Acre LSTs	***52***	***267***	***4.94***	***3.31***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P2 Demolish Classroom Building

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2022**				
Fugitive Dust				0.515	0.078
Off-Road		25.7194	20.5941	1.2427	1.1553
Total		**25.7194**	**20.5941**	**1.7577**	**1.2332**
TOTAL		***25.7194***	***20.5941***	***1.7577***	***1.2332***
Onsite	**2022**				
Fugitive Dust				0.515	0.078
Off-Road		25.7194	20.5941	1.2427	1.1553
Total		**25.7194**	**20.5941**	**1.7577**	**1.2332**
TOTAL		***25.7194***	***20.5941***	***1.7577***	***1.2332***
Onsite	**2022**				
Fugitive Dust		0	0	0.515	0.078
Off-Road		25.7194	20.5941	1.2427	1.1553
Total		**25.7194**	**20.5941**	**1.7577**	**1.2332**
Offsite					
Hauling		0	0	0	0
Vendor		0	0	0	0
Worker		0	0	0	0
Total		**0**	**0**	**0**	**0**
TOTAL		***25.7194***	***20.5941***	***1.7577***	***1.2332***
	1.00-Acre LSTs	***46***	***231***	***4.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P2 Portables Removal

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2022**				
Off-Road		4.1843	1.8923	0.1737	0.1598
Total		**4.1843**	**1.8923**	**0.1737**	**0.1598**

TOTAL		***4.1843***	***1.8923***	***0.1737***	***0.1598***
Onsite		**2022**			
	Off-Road	4.1843	1.8923	0.1737	0.1598
	Total	**4.1843**	**1.8923**	**0.1737**	**0.1598**
TOTAL		***4.1843***	***1.8923***	***0.1737***	***0.1598***
Onsite		**2022**			
	Off-Road	4.1843	1.8923	0.1737	0.1598
	Total	**4.1843**	**1.8923**	**0.1737**	**0.1598**
Offsite					
	Hauling	0	0	0	0
	Vendor	0	0	0	0
	Worker	0	0	0	0
	Total	**0**	**0**	**0**	**0**
TOTAL		***4.1843***	***1.8923***	***0.1737***	***0.1598***
	Total	**4.1843**	**1.8923**	**0.1737**	**0.1598**
TOTAL		***4.1843***	***1.8923***	***0.1737***	***0.1598***
	1.00-Acre LSTs	***46***	***231***	***4.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P2 Rough Grading

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2022**				
	Fugitive Dust				2.8011	1.4396
	Off-Road		20.8551	15.2727	0.9409	0.8656
	Total		**20.8551**	**15.2727**	**3.742**	**2.3052**
TOTAL			***20.8551***	***15.2727***	***3.7420***	***2.3052***
Onsite		**2022**				
	Fugitive Dust				2.8011	1.4396

	Off-Road	20.8551	15.2727	0.9409	0.8656
	Total	**20.8551**	**15.2727**	**3.742**	**2.3052**
TOTAL		***20.8551***	***15.2727***	***3.7420***	***2.3052***
Onsite	**2022**				
	Fugitive Dust	0	0	2.8011	1.4396
	Off-Road	20.8551	15.2727	0.9409	0.8656
	Total	**20.8551**	**15.2727**	**3.742**	**2.3052**
Offsite					
	Hauling	0	0	0	0
	Vendor	0	0	0	0
	Worker	0	0	0	0
	Total	**0**	**0**	**0**	**0**
TOTAL		***20.8551***	***15.2727***	***3.7420***	***2.3052***
	2.50-Acre LSTs	***71***	***393***	***8.00***	***4.50***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P2 Utility Trenching

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2022**				
	Off-Road	3.4526	5.4931	0.176	0.162
	Total	**3.4526**	**5.4931**	**0.176**	**0.162**
TOTAL		***3.4526***	***5.4931***	***0.1760***	***0.1620***
Onsite	**2022**				
	Off-Road	3.4526	5.4931	0.176	0.162
	Total	**3.4526**	**5.4931**	**0.176**	**0.162**
TOTAL		***3.4526***	***5.4931***	***0.1760***	***0.1620***
Onsite	**2022**				
	Off-Road	3.4526	5.4931	0.176	0.162
	Total	**3.4526**	**5.4931**	**0.176**	**0.162**

Offsite					
	Hauling	0	0	0	0
	Vendor	0	0	0	0
	Worker	0	0	0	0
	Total	**0**	**0**	**0**	**0**
TOTAL		***3.4526***	***5.4931***	***0.1760***	***0.1620***
	Total	**3.4526**	**5.4931**	**0.176**	**0.162**
TOTAL		***3.4526***	***5.4931***	***0.1760***	***0.1620***
	<=1.00-Acre LSTs	***46***	***231***	***4.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P2 Fine Grading

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2022**				
Fugitive Dust				2.8011	1.4396
Off-Road		20.8551	15.2727	0.9409	0.8656
Total		**20.8551**	**15.2727**	**3.742**	**2.3052**
TOTAL		***20.8551***	***15.2727***	***3.7420***	***2.3052***
Onsite	**2022**				
Fugitive Dust				2.8011	1.4396
Off-Road		20.8551	15.2727	0.9409	0.8656
Total		**20.8551**	**15.2727**	**3.742**	**2.3052**
TOTAL		***20.8551***	***15.2727***	***3.7420***	***2.3052***
Onsite	**2022**				
Fugitive Dust		0	0	2.8011	1.4396
Off-Road		20.8551	15.2727	0.9409	0.8656
Total		**20.8551**	**15.2727**	**3.742**	**2.3052**
Offsite					
Hauling		0	0	0	0
Vendor		0	0	0	0
Worker		0	0	0	0
Total		**0**	**0**	**0**	**0**
TOTAL		***20.8551***	***15.2727***	***3.7420***	***2.3052***

	2.50-Acre LSTs	***71***	***393***	***8.00***	***4.50***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P2 Pave Hardcourts

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2022**				
	Off-Road		11.1249	14.5805	0.5679	0.5225
	Paving				0	0
	Total		**11.1249**	**14.5805**	**0.5679**	**0.5225**
TOTAL			***11.1249***	***14.5805***	***0.5679***	***0.5225***

Onsite		**2022**				
	Off-Road		11.1249	14.5805	0.5679	0.5225
	Paving				0	0
	Total		**11.1249**	**14.5805**	**0.5679**	**0.5225**
TOTAL			***11.1249***	***14.5805***	***0.5679***	***0.5225***

Onsite		**2022**				
	Off-Road		11.1249	14.5805	0.5679	0.5225
	Paving		0	0	0	0
	Total		**11.1249**	**14.5805**	**0.5679**	**0.5225**
Offsite						
	Hauling		0	0	0	0
	Vendor		0	0	0	0
	Worker		0	0	0	0
	Total		**0**	**0**	**0**	**0**
TOTAL			***11.1249***	***14.5805***	***0.5679***	***0.5225***

<=1.00-Acre LSTs	***46***	***231***	***4.00***	***3.00***
Exceeds LSTs?	***No***	***No***	***No***	***No***

P2 Architectural Coating

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2022**				
	Archit. Coating				0	0
	Off-Road		1.4085	1.8136	0.0817	0.0817
	Total		**1.4085**	**1.8136**	**0.0817**	**0.0817**

TOTAL		***1.4085***	***1.8136***	***0.0817***	***0.0817***
Onsite	**2022**				
	Archit. Coating			0	0
	Off-Road	1.4085	1.8136	0.0817	0.0817
	Total	**1.4085**	**1.8136**	**0.0817**	**0.0817**
TOTAL		***1.4085***	***1.8136***	***0.0817***	***0.0817***
Onsite	**2022**				
	Archit. Coating	0	0	0	0
	Off-Road	1.4085	1.8136	0.0817	0.0817
	Total	**1.4085**	**1.8136**	**0.0817**	**0.0817**
Offsite					
	Hauling	0	0	0	0
	Vendor	0	0	0	0
	Worker	0	0	0	0
	Total	**0**	**0**	**0**	**0**
TOTAL		***1.4085***	***1.8136***	***0.0817***	***0.0817***
	<=1.00-Acre LSTs	***46***	***231***	***4.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P3 Portables Removal

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2023**				
	Off-Road	3.8155	1.8344	0.1593	0.1466
	Total	**3.8155**	**1.8344**	**0.1593**	**0.1466**
TOTAL		***3.8155***	***1.8344***	***0.1593***	***0.1466***
Onsite	**2023**				
	Off-Road	3.8155	1.8344	0.1593	0.1466
	Total	**3.8155**	**1.8344**	**0.1593**	**0.1466**

TOTAL			***3.8155***	***1.8344***	***0.1593***	***0.1466***
Onsite		**2023**				
	Off-Road		3.8155	1.8344	0.1593	0.1466
	Total		**3.8155**	**1.8344**	**0.1593**	**0.1466**
Offsite						
	Hauling		0	0	0	0
	Vendor		0	0	0	0
	Worker		0	0	0	0
	Total		**0**	**0**	**0**	**0**
TOTAL			***3.8155***	***1.8344***	***0.1593***	***0.1466***
	Total		**3.8155**	**1.8344**	**0.1593**	**0.1466**
TOTAL			***3.8155***	***1.8344***	***0.1593***	***0.1466***
	<=1.00-Acre LSTs		***46***	***231***	***4.00***	***3.00***
	Exceeds LSTs?		***No***	***No***	***No***	***No***

P3 Tennis Courts and ES Play Area Demolition

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2023**				
	Fugitive Dust				0.8233	0.1247
	Off-Road		21.4844	19.6434	0.9975	0.928
	Total		**21.4844**	**19.6434**	**1.8209**	**1.0527**
TOTAL			***21.4844***	***19.6434***	***1.8209***	***1.0527***
Onsite		**2023**				
	Fugitive Dust				0.8233	0.1247
	Off-Road		21.4844	19.6434	0.9975	0.928
	Total		**21.4844**	**19.6434**	**1.8209**	**1.0527**
TOTAL			***21.4844***	***19.6434***	***1.8209***	***1.0527***
Onsite		**2023**				
	Fugitive Dust		0	0	0.8233	0.1247
	Off-Road		21.4844	19.6434	0.9975	0.928

	Total	**21.4844**	**19.6434**	**1.8209**	**1.0527**
Offsite					
	Hauling	0	0	0	0
	Vendor	0	0	0	0
	Worker	0	0	0	0
	Total	**0**	**0**	**0**	**0**
TOTAL		***21.4844***	***19.6434***	***1.8209***	***1.0527***
	1.00-Acre LSTs	***46***	***231***	***4.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P3 Rough Grading

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2023**				
Fugitive Dust				2.8011	1.4396
Off-Road		17.9359	14.7507	0.7749	0.7129
Total		**17.9359**	**14.7507**	**3.576**	**2.1525**
TOTAL		***17.9359***	***14.7507***	***3.5760***	***2.1525***

Onsite	**2023**				
Fugitive Dust				2.8011	1.4396
Off-Road		17.9359	14.7507	0.7749	0.7129
Total		**17.9359**	**14.7507**	**3.576**	**2.1525**

TOTAL		***17.9359***	***14.7507***	***3.5760***	***2.1525***
Onsite	**2023**				
	Fugitive Dust	0	0	2.8011	1.4396
	Off-Road	17.9359	14.7507	0.7749	0.7129
	Total	**17.9359**	**14.7507**	**3.576**	**2.1525**
Offsite					
	Hauling	0	0	0	0
	Vendor	0	0	0	0
	Worker	0	0	0	0
	Total	**0**	**0**	**0**	**0**
TOTAL		***17.9359***	***14.7507***	***3.5760***	***2.1525***
	2.50-Acre LSTs	***71***	***393***	***8.00***	***4.50***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P3 Utility Trenching

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2023**				
	Off-Road	5.1341	7.5321	0.218	0.2005
	Total	**5.1341**	**7.5321**	**0.218**	**0.2005**
TOTAL		***5.1341***	***7.5321***	***0.2180***	***0.2005***
Onsite	**2023**				
	Off-Road	5.1341	7.5321	0.218	0.2005
	Total	**5.1341**	**7.5321**	**0.218**	**0.2005**
TOTAL		***5.1341***	***7.5321***	***0.2180***	***0.2005***
Onsite	**2023**				
	Off-Road	5.1341	7.5321	0.218	0.2005
	Total	**5.1341**	**7.5321**	**0.218**	**0.2005**
Offsite					
	Hauling	0	0	0	0
	Vendor	0	0	0	0
	Worker	0	0	0	0

	Total	**0**	**0**	**0**	**0**
TOTAL		***5.1341***	***7.5321***	***0.2180***	***0.2005***
	Total	**5.1341**	**7.5321**	**0.218**	**0.2005**
TOTAL		***5.1341***	***7.5321***	***0.2180***	***0.2005***
	<=1.00-Acre LSTs	***46***	***231***	***4.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P3 Fine Grading

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2023**				
Fugitive Dust				2.8011	1.4396
Off-Road		17.9359	14.7507	0.7749	0.7129
Total		**17.9359**	**14.7507**	**3.576**	**2.1525**
TOTAL		***17.9359***	***14.7507***	***3.5760***	***2.1525***
Onsite	**2023**				
Fugitive Dust				2.8011	1.4396
Off-Road		17.9359	14.7507	0.7749	0.7129
Total		**17.9359**	**14.7507**	**3.576**	**2.1525**
TOTAL		***17.9359***	***14.7507***	***3.5760***	***2.1525***
Onsite	**2023**				
Fugitive Dust		0	0	2.8011	1.4396
Off-Road		17.9359	14.7507	0.7749	0.7129
Total		**17.9359**	**14.7507**	**3.576**	**2.1525**
Offsite					
Hauling		0	0	0	0
Vendor		0	0	0	0
Worker		0	0	0	0
Total		**0**	**0**	**0**	**0**
TOTAL		***17.9359***	***14.7507***	***3.5760***	***2.1525***
	2.50-Acre LSTs	***71***	***393***	***8.00***	***4.50***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P3 Building Construction - Elementary School and Library

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2023**				
	Off-Road		14.3849	16.244	0.6997	0.6584
	Total		**14.3849**	**16.244**	**0.6997**	**0.6584**
TOTAL			***14.3849***	***16.2440***	***0.6997***	***0.6584***

Onsite		**2023**				
	Off-Road		14.3849	16.244	0.6997	0.6584
	Total		**14.3849**	**16.244**	**0.6997**	**0.6584**
TOTAL			***14.3849***	***16.2440***	***0.6997***	***0.6584***

Onsite		**2023**				
	Off-Road		14.3849	16.244	0.6997	0.6584
	Total		**14.3849**	**16.244**	**0.6997**	**0.6584**
Offsite						
	Hauling		0	0	0	0
	Vendor		0	0	0	0
	Worker		0	0	0	0
	Total		**0**	**0**	**0**	**0**
TOTAL			***14.3849***	***16.2440***	***0.6997***	***0.6584***

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2024**				
	Off-Road		13.4438	16.1668	0.6133	0.5769
	Total		**13.4438**	**16.1668**	**0.6133**	**0.5769**
TOTAL			***13.4438***	***16.1668***	***0.6133***	***0.5769***

Onsite		**2024**				
	Off-Road		13.4438	16.1668	0.6133	0.5769
	Total		**13.4438**	**16.1668**	**0.6133**	**0.5769**

TOTAL			***13.4438***	***16.1668***	***0.6133***	***0.5769***
Onsite		**2024**				
	Off-Road		13.4438	16.1668	0.6133	0.5769
	Total		**13.4438**	**16.1668**	**0.6133**	**0.5769**
Offsite						
	Hauling		0	0	0	0
	Vendor		0	0	0	0
	Worker		0	0	0	0
	Total		**0**	**0**	**0**	**0**
TOTAL			***13.4438***	***16.1668***	***0.6133***	***0.5769***

P3 Modernization

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2023**				
	Off-Road		0	0	0	0
	Total		**0**	**0**	**0**	**0**
TOTAL			***0.0000***	***0.0000***	***0.0000***	***0.0000***
Onsite		**2023**				
	Off-Road		0	0	0	0
	Total		**0**	**0**	**0**	**0**
TOTAL			***0.0000***	***0.0000***	***0.0000***	***0.0000***
Onsite		**2023**				
	Off-Road		0	0	0	0
	Total		**0**	**0**	**0**	**0**
Offsite						
	Hauling		0	0	0	0
	Vendor		0	0	0	0
	Worker		0	0	0	0
	Total		**0**	**0**	**0**	**0**
TOTAL			***0.0000***	***0.0000***	***0.0000***	***0.0000***
P3 Building Construction & Modernization (2023)			***14.3849***	***16.2440***	***0.6997***	***0.6584***

	1.31-Acre LSTs	***52***	***267***	***4.94***	***3.31***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2024**				
Off-Road		0	0	0	0
Total		**0**	**0**	**0**	**0**
TOTAL		***0.0000***	***0.0000***	***0.0000***	***0.0000***
Onsite	**2024**				
Off-Road		0	0	0	0
Total		**0**	**0**	**0**	**0**
TOTAL		***0.0000***	***0.0000***	***0.0000***	***0.0000***
Onsite	**2024**				
Off-Road		0	0	0	0
Total		**0**	**0**	**0**	**0**
Offsite					
Hauling		0	0	0	0
Vendor		0	0	0	0
Worker		0	0	0	0
Total		**0**	**0**	**0**	**0**
TOTAL		***0.0000***	***0.0000***	***0.0000***	***0.0000***
P3 Building Construction & Modernization (2024)		***13.4438***	***16.1668***	***0.6133***	***0.5769***

	1.31-Acre LSTs	***52***	***267***	***4.94***	***3.31***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P3 Pave Parking Lot

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2024**				
Off-Road		9.5246	14.6258	0.4685	0.431
Paving				0	0
Total		**9.5246**	**14.6258**	**0.4685**	**0.431**

TOTAL		***9.5246***	***14.6258***	***0.4685***	***0.4310***
Onsite		**2024**			
	Off-Road	9.5246	14.6258	0.4685	0.431
	Paving			0	0
	Total	**9.5246**	**14.6258**	**0.4685**	**0.431**
TOTAL		***9.5246***	***14.6258***	***0.4685***	***0.4310***
Onsite		**2024**			
	Off-Road	9.5246	14.6258	0.4685	0.431
	Paving	0	0	0	0
	Total	**9.5246**	**14.6258**	**0.4685**	**0.431**
Offsite					
	Hauling	0	0	0	0
	Vendor	0	0	0	0
	Worker	0	0	0	0
	Total	**0**	**0**	**0**	**0**
TOTAL		***9.5246***	***14.6258***	***0.4685***	***0.4310***

P3 Pave ES Play Area

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2024**				
	Off-Road		9.5246	14.6258	0.4685	0.431
	Paving				0	0
	Total		**9.5246**	**14.6258**	**0.4685**	**0.431**
TOTAL			***9.5246***	***14.6258***	***0.4685***	***0.4310***
Onsite		**2024**				
	Off-Road		9.5246	14.6258	0.4685	0.431
	Paving				0	0
	Total		**9.5246**	**14.6258**	**0.4685**	**0.431**

TOTAL			***9.5246***	***14.6258***	***0.4685***	***0.4310***
Onsite		**2024**				
	Off-Road		9.5246	14.6258	0.4685	0.431
	Paving		0	0	0	0
	Total		**9.5246**	**14.6258**	**0.4685**	**0.431**
Offsite						
	Hauling		0	0	0	0
	Vendor		0	0	0	0
	Worker		0	0	0	0
	Total		**0**	**0**	**0**	**0**
TOTAL			***9.5246***	***14.6258***	***0.4685***	***0.4310***

P3 Architectural Coating

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2024**				
	Archit. Coating				0	0
	Off-Road		1.2188	1.8101	0.0609	0.0609
	Total		**1.2188**	**1.8101**	**0.0609**	**0.0609**
TOTAL			***1.2188***	***1.8101***	***0.0609***	***0.0609***
Onsite		**2024**				
	Archit. Coating				0	0
	Off-Road		1.2188	1.8101	0.0609	0.0609
	Total		**1.2188**	**1.8101**	**0.0609**	**0.0609**
TOTAL			***1.2188***	***1.8101***	***0.0609***	***0.0609***
Onsite		**2024**				
	Archit. Coating		0	0	0	0
	Off-Road		1.2188	1.8101	0.0609	0.0609
	Total		**1.2188**	**1.8101**	**0.0609**	**0.0609**
Offsite						
	Hauling		0	0	0	0
	Vendor		0	0	0	0
	Worker		0	0	0	0
	Total		**0**	**0**	**0**	**0**
TOTAL			***1.2188***	***1.8101***	***0.0609***	***0.0609***

P3 Bldg Const, Modern, Parking, Pave, & Coating		***33.7118***	***47.2285***	***1.6112***	***1.4998***
	1.31-Acre LSTs	***52***	***267***	***4.94***	***3.31***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P4 Secondary Play Area Demolition

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2024**				
Fugitive Dust				0.7027	0.1064
Off-Road		20.8781	19.7073	0.9602	0.8922
Total		**20.8781**	**19.7073**	**1.6629**	**0.9986**
TOTAL		***20.8781***	***19.7073***	***1.6629***	***0.9986***

Onsite	**2024**				
Fugitive Dust				0.7027	0.1064
Off-Road		20.8781	19.7073	0.9602	0.8922
Total		**20.8781**	**19.7073**	**1.6629**	**0.9986**
TOTAL		***20.8781***	***19.7073***	***1.6629***	***0.9986***

Onsite	**2024**				
Fugitive Dust		0	0	0.7027	0.1064
Off-Road		20.8781	19.7073	0.9602	0.8922
Total		**20.8781**	**19.7073**	**1.6629**	**0.9986**
Offsite					
Hauling		0	0	0	0
Vendor		0	0	0	0
Worker		0	0	0	0
Total		**0**	**0**	**0**	**0**
TOTAL		***20.8781***	***19.7073***	***1.6629***	***0.9986***
	2.50-Acre LSTs	***71***	***393***	***8.00***	***4.50***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P4 Grading

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2024**				
Fugitive Dust				2.8011	1.4396
Off-Road		17.031	14.7594	0.7244	0.6665

	Total	**17.031**	**14.7594**	**3.5255**	**2.1061**
TOTAL		***17.0310***	***14.7594***	***3.5255***	***2.1061***
Onsite	**2024**				
	Fugitive Dust			2.8011	1.4396
	Off-Road	17.031	14.7594	0.7244	0.6665
	Total	**17.031**	**14.7594**	**3.5255**	**2.1061**
Offsite					
	Hauling	0	0	0	0
	Vendor	0	0	0	0
	Worker	0.0364	0.4354	0.1558	0.0424
	Total	**0.0364**	**0.4354**	**0.1558**	**0.0424**
TOTAL		***17.0674***	***15.1948***	***3.6813***	***2.1485***
Onsite	**2024**				
	Fugitive Dust	0	0	2.8011	1.4396
	Off-Road	17.031	14.7594	0.7244	0.6665
	Total	**17.031**	**14.7594**	**3.5255**	**2.1061**
Offsite					
	Hauling	0	0	0	0
	Vendor	0	0	0	0
	Worker	0.0364	0.4354	0.1558	0.0424
	Total	**0.0364**	**0.4354**	**0.1558**	**0.0424**
TOTAL		***17.0674***	***15.1948***	***3.6813***	***2.1485***
	2.50-Acre LSTs	***71***	***393***	***8.00***	***4.50***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P4 Repaving

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2024**				
	Off-Road	9.5246	14.6258	0.4685	0.431
	Paving			0	0
	Total	**9.5246**	**14.6258**	**0.4685**	**0.431**
TOTAL		***9.5246***	***14.6258***	***0.4685***	***0.4310***
Onsite	**2024**				
	Off-Road	9.5246	14.6258	0.4685	0.431

	Paving			0	0
	Total	**9.5246**	**14.6258**	**0.4685**	**0.431**
TOTAL		***9.5246***	***14.6258***	***0.4685***	***0.4310***
Onsite	**2024**				
	Off-Road	9.5246	14.6258	0.4685	0.431
	Paving	0	0	0	0
	Total	**9.5246**	**14.6258**	**0.4685**	**0.431**
Offsite					
	Hauling	0	0	0	0
	Vendor	0	0	0	0
	Worker	0	0	0	0
	Total	**0**	**0**	**0**	**0**
TOTAL		***9.5246***	***14.6258***	***0.4685***	***0.4310***
	<=1.00-Acre LSTs	***46***	***231***	***4.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P4 Building Construction - Kindergarten

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2024**				
	Off-Road	15.3543	18.2154	0.6763	0.6348
	Total	**15.3543**	**18.2154**	**0.6763**	**0.6348**
Offsite					
	Hauling	0	0	0	0
	Vendor	0.0698	0.021	6.07E-03	1.82E-03
	Worker	6.59E-03	0.0957	0.0312	8.48E-03
	Total	**0.0764**	**0.1167**	**0.0372**	**0.0103**
TOTAL		***15.4307***	***18.3321***	***0.7135***	***0.6451***
Onsite	**2024**				
	Off-Road	15.3543	18.2154	0.6763	0.6348
	Total	**15.3543**	**18.2154**	**0.6763**	**0.6348**
TOTAL		***15.3543***	***18.2154***	***0.6763***	***0.6348***
Onsite	**2024**				
	Off-Road	15.3543	18.2154	0.6763	0.6348
	Total	**15.3543**	**18.2154**	**0.6763**	**0.6348**

Offsite					
	Hauling	0	0	0	0
	Vendor	0.0698	0.021	0.00607	0.00182
	Worker	0.00659	0.0957	0.0312	0.00848
	Total	**0.0764**	**0.1167**	**0.0372**	**0.0103**
TOTAL		***15.4307***	***18.3321***	***0.7135***	***0.6451***

P4 Building Modernizations

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2024**				
	Off-Road		0	0	0	0
	Total		**0**	**0**	**0**	**0**
TOTAL			***0.0000***	***0.0000***	***0.0000***	***0.0000***
Onsite		**2024**				
	Off-Road		0	0	0	0
	Total		**0**	**0**	**0**	**0**
TOTAL			***0.0000***	***0.0000***	***0.0000***	***0.0000***
Onsite		**2024**				
	Off-Road		0	0	0	0
	Total		**0**	**0**	**0**	**0**
Offsite						
	Hauling		0	0	0	0
	Vendor		0	0	0	0
	Worker		0	0	0	0
	Total		**0**	**0**	**0**	**0**
TOTAL			***0.0000***	***0.0000***	***0.0000***	***0.0000***
P4 Building Construction & Modernization (2024)			***15.4307***	***18.3321***	***0.7135***	***0.6451***
	1.31-Acre LSTs		***52***	***267***	***4.94***	***3.31***
	Exceeds LSTs?		***No***	***No***	***No***	***No***

P4 Architectural Coating - Existing Buildings

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2024**				
	Archit. Coating				0	0

		Off-Road		1.2188	1.8101	0.0609	0.0609
		Total		**1.2188**	**1.8101**	**0.0609**	**0.0609**
TOTAL				***1.2188***	***1.8101***	***0.0609***	***0.0609***
Onsite			**2024**				
		Archit. Coating				0	0
		Off-Road		1.2188	1.8101	0.0609	0.0609
		Total		**1.2188**	**1.8101**	**0.0609**	**0.0609**
TOTAL				***1.2188***	***1.8101***	***0.0609***	***0.0609***
Onsite			**2024**				
		Archit. Coating		0	0	0	0
		Off-Road		1.2188	1.8101	0.0609	0.0609
		Total		**1.2188**	**1.8101**	**0.0609**	**0.0609**
Offsite							
		Hauling		0	0	0	0
		Vendor		0	0	0	0
		Worker		0	0	0	0
		Total		**0**	**0**	**0**	**0**
TOTAL				***1.2188***	***1.8101***	***0.0609***	***0.0609***
	P4 Bldg Const, Modern, Ex Coating			***16.6495***	***20.1422***	***0.7744***	***0.7060***
		1.31-Acre LSTs		***52***	***267***	***4.94***	***3.31***
		Exceeds LSTs?		***No***	***No***	***No***	***No***

P4 Pave Kindergarten Area

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2024**				
	Off-Road		9.5246	14.6258	0.4685	0.431
	Paving				0	0
	Total		**9.5246**	**14.6258**	**0.4685**	**0.431**
TOTAL			***9.5246***	***14.6258***	***0.4685***	***0.4310***

Onsite		**2024**			
	Off-Road	9.5246	14.6258	0.4685	0.431
	Paving			0	0
	Total	**9.5246**	**14.6258**	**0.4685**	**0.431**
TOTAL		***9.5246***	***14.6258***	***0.4685***	***0.4310***

Onsite		**2024**			
	Off-Road	9.5246	14.6258	0.4685	0.431
	Paving	0	0	0	0
	Total	**9.5246**	**14.6258**	**0.4685**	**0.431**
Offsite					
	Hauling	0	0	0	0
	Vendor	0	0	0	0
	Worker	0	0	0	0
	Total	**0**	**0**	**0**	**0**
TOTAL		***9.5246***	***14.6258***	***0.4685***	***0.4310***

P4 Architectural Coating - Kindergarten

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2024**				
	Archit. Coating				0	0
	Off-Road		1.2188	1.8101	0.0609	0.0609
	Total		**1.2188**	**1.8101**	**0.0609**	**0.0609**
TOTAL			***1.2188***	***1.8101***	***0.0609***	***0.0609***

Onsite		**2024**			
	Archit. Coating				0	0
	Off-Road		1.2188	1.8101	0.0609	0.0609
	Total		**1.2188**	**1.8101**	**0.0609**	**0.0609**
TOTAL			***1.2188***	***1.8101***	***0.0609***	***0.0609***

Onsite	**2024**	

	Archit. Coating	0	0	0	0
	Off-Road	1.2188	1.8101	0.0609	0.0609
	Total	**1.2188**	**1.8101**	**0.0609**	**0.0609**
Offsite					
	Hauling	0	0	0	0
	Vendor	0	0	0	0
	Worker	0	0	0	0
	Total	**0**	**0**	**0**	**0**
TOTAL		***1.2188***	***1.8101***	***0.0609***	***0.0609***
	P4 Bldg Cont, Modern, Kindergarten Coating, Ex Coating, & Pave	***27.3929***	***36.5781***	***1.3038***	***1.1979***
	1.31-Acre LSTs	***52***	***267***	***4.94***	***3.31***
	Exceeds LSTs?	***No***	***No***	***No***	***No***
	P4 Kindergarten Coating, Ex Coating, & Pave	***11.9622***	***18.2460***	***0.5903***	***0.5528***
	<=1.00-Acre LSTs	***46***	***231***	***4.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P4 Portables Removal

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2024**				
Off-Road		3.5043	1.7747	0.1458	0.1341
Total		**3.5043**	**1.7747**	**0.1458**	**0.1341**
TOTAL		***3.5043***	***1.7747***	***0.1458***	***0.1341***
Onsite	**2024**				
Off-Road		3.5043	1.7747	0.1458	0.1341
Total		**3.5043**	**1.7747**	**0.1458**	**0.1341**
TOTAL		***3.5043***	***1.7747***	***0.1458***	***0.1341***
Onsite	**2024**				
Off-Road		3.5043	1.7747	0.1458	0.1341
Total		**3.5043**	**1.7747**	**0.1458**	**0.1341**
Offsite					
Hauling		0	0	0	0

	Vendor	0	0	0	0
	Worker	0	0	0	0
	Total	**0**	**0**	**0**	**0**
TOTAL		***3.5043***	***1.7747***	***0.1458***	***0.1341***
	<=1.00-Acre LSTs	***46***	***231***	***4.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P4 Kindergarten Coating, Ex Coating, Pave, & Portables Removal		***15.4665***	***20.0207***	***0.7361***	***0.6869***
	1.31-Acre LSTs	***52***	***267***	***4.94***	***3.31***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2025**				
Off-Road		3.1679	1.7365	0.1347	0.1239
Total		**3.1679**	**1.7365**	**0.1347**	**0.1239**
TOTAL		***3.1679***	***1.7365***	***0.1347***	***0.1239***

Onsite	**2025**				
Off-Road		3.1679	1.7365	0.1347	0.1239
Total		**3.1679**	**1.7365**	**0.1347**	**0.1239**
TOTAL		***3.1679***	***1.7365***	***0.1347***	***0.1239***

Onsite	**2025**				
	Off-Road	3.1679	1.7365	0.1347	0.1239
	Total	**3.1679**	**1.7365**	**0.1347**	**0.1239**
Offsite					
	Hauling	0	0	0	0
	Vendor	0	0	0	0
	Worker	0	0	0	0
	Total	**0**	**0**	**0**	**0**
TOTAL		***3.1679***	***1.7365***	***0.1347***	***0.1239***
	<=1.00-Acre LSTs	***46***	***231***	***4.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P5 Asphalt Paving

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2025**				
	Off-Road		8.5816	14.578	0.4185	0.385
	Paving				0	0
	Total		**8.5816**	**14.578**	**0.4185**	**0.385**
TOTAL			***8.5816***	***14.5780***	***0.4185***	***0.3850***
Onsite		**2025**				
	Off-Road		8.5816	14.578	0.4185	0.385
	Paving				0	0
	Total		**8.5816**	**14.578**	**0.4185**	**0.385**
TOTAL			***8.5816***	***14.5780***	***0.4185***	***0.3850***
Onsite		**2025**				
	Off-Road		8.5816	14.578	0.4185	0.385
	Paving		0	0	0	0
	Total		**8.5816**	**14.578**	**0.4185**	**0.385**
Offsite						
	Hauling		0	0	0	0
	Vendor		0	0	0	0
	Worker		0	0	0	0
	Total		**0**	**0**	**0**	**0**
TOTAL			***8.5816***	***14.5780***	***0.4185***	***0.3850***
	<=1.00-Acre LSTs		***46***	***231***	***4.00***	***3.00***
	Exceeds LSTs?		***No***	***No***	***No***	***No***
P4 Portables Removal & P5 Paving			***11.7495***	***16.3145***	***0.5532***	***0.5089***
	<=1.00-Acre LSTs		***46***	***231***	***4.00***	***3.00***
	Exceeds LSTs?		***No***	***No***	***No***	***No***

P5 Finishing/Landscaping

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2025**				
	Off-Road		3.2784	7.1851	0.1465	0.1348
	Total		**3.2784**	**7.1851**	**0.1465**	**0.1348**

TOTAL		***3.2784***	***7.1851***	***0.1465***	***0.1348***

Onsite		**2025**				
	Off-Road	3.2784	7.1851	0.1465	0.1348	
	Total	**3.2784**	**7.1851**	**0.1465**	**0.1348**	

TOTAL		***3.2784***	***7.1851***	***0.1465***	***0.1348***

Onsite		**2025**			
	Off-Road	3.2784	7.1851	0.1465	0.1348
	Total	**3.2784**	**7.1851**	**0.1465**	**0.1348**
Offsite					
	Hauling	0	0	0	0
	Vendor	0	0	0	0
	Worker	0	0	0	0
	Total	**0**	**0**	**0**	**0**
TOTAL		***3.2784***	***7.1851***	***0.1465***	***0.1348***
	<=1.00-Acre LSTs	***46***	***231***	***4.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

Localized Construction Emissions Worksheet: Mitigated

P1 Site Preparation

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2021**				
	Fugitive Dust				6.6936	3.6793
	Off-Road		40.4971	21.1543	1.0222	0.9405
	Total		**40.4971**	**21.1543**	**7.7158**	**4.6198**
TOTAL			***40.4971***	***21.1543***	***7.7158***	***4.6198***
Onsite		**2021**				
	Fugitive Dust				6.6936	3.6793
	Off-Road		40.4971	21.1543	1.0222	0.9405
	Total		**40.4971**	**21.1543**	**7.7158**	**4.6198**
TOTAL			***40.4971***	***21.1543***	***7.7158***	***4.6198***
Onsite		**2021**				
	Fugitive Dust		0	0	6.6936	3.6793
	Off-Road		40.4971	21.1543	1.0222	0.9405
	Total		**40.4971**	**21.1543**	**7.7158**	**4.6198**
Offsite						
	Hauling		0	0	0	0
	Vendor		0	0	0	0
	Worker		0	0	0	0
	Total		**0**	**0**	**0**	**0**
TOTAL			***40.4971***	***21.1543***	***7.7158***	***4.6198***
	3.50-Acre LSTs		***82***	***488***	***9.99***	***5.50***
	Exceeds LSTs?		***No***	***No***	***No***	***No***

GHG Emissions Inventory: Elizabeth Learning Center Project

Proposed Project Buildout

Year	MTons Total	
2021	228	
2022	177	
2023	188	
2024	452	
2025	18	
Total Construction	**1,063**	
Amortized Construction*	35	MTCO2e/year
SCAQMD Bright-Line Screening Criterion	3,000	MTCO2e/year
Exceeds Per Capita Emission Rate?	**No**	

*Total construction emissions are amortized over 30 years per SCAQMD methodology; SCAQMD. 2010, September 28. Greenhouse Gases (GHG) CEQA Significance Thresholds Working Group Meeting 15. http://www.aqmd.gov/ceqa/handbook/GHG/2010/sept28mtg/sept29.html.

GHG Emissions Target Setting - Forecasting the 2030 Efficiency Target

2020 Scoping Plan Emissions Inventory

Source: CARB 1990 Inventory. California Air Resources Board. 2007, November. California Greenhouse Gas Inventory (millions of metric tonnes of CO2 equivalent) — Summary by Economic Sector. https://www.arb.ca.gov/cc/inventory/1990level/1990data.htm

1990 End Use Sector	MTCO2e	MMTCO2e	Notes
Electricity	94,754,207	94.8	Removed Industrial
Transportation	137,901,182	137.9	On-Road Only
Landfills	7,447,544	7.4	Landfill
Wastewater	3,183,648	3.2	Domestic Wastewater Treatment
Commercial	13,848,597	13.8	Removed National Security
Residential	29,740,487	29.7	Includes all
TOTAL LAND USE	286,875,666	286.9	

2017 Scoping Plan Emissions Inventory

Source: Pathways Main Outputs Final (Dec 2017). California Air Resources Board. 2017, December. The 2017 Climate Change Scoping Plan Update: The Proposed Strategy for Achieving California's 2030 Greenhouse Gas Target. https://www.arb.ca.gov/cc/scopingplan/2030sp_pp_final.pdf.

End Use Sector 2030	MMTCO2e				
	Reference Scenario	Scoping Plan Scenario	Change	Percent Change	Sector Definition
Residential	46.5	41.4	-5.1	-11.0%	Residential final energy consumption
Commercial	36.00	30.1	-5.90	-16.4%	Commercial final energy consumption
Transportation	123.1	105.1	-18	-14.6%	Transportation energy consumption
Industrial*	33.8	30.7	-3.1	-9.2%	Industrial manufacturing final energy consumption,
Oil & Gas Extraction*	19.5	19.4	-0.1	-0.5%	Energy used in the extraction of oil and gas
Petroleum Refining*	32.6	32.5	-0.1	-0.3%	Energy used in petroleum Refining
Agriculture	7.7	6.8	-0.9	-11.7%	Energy use of physical infrastructure of agriculture, like buildings and pumps
Transportation Communications and Utilities	5.5	5.00	-0.5	-9.1%	Transportation Communications and Utilities (TCU) energy supports public infrastructure, like street lighting and waste treatment facilities
Non-Energy GHGs*	84.3	49.4	-34.9	-41.40%	Examples of non-energy GHG emissions include methane and N2O emissions from agriculture and waste, refrigerant F-gases, and emissions from cement production
Solid Waste Non-Energy GHGs	10.7	9.1	-1.6	-14.95%	Isolated the Solid Waste Subsector
Unspecified	0	0	0	n/a	
	389	320.4	-68.6	-17.63%	
Target	260	260			
Gap	-129	-60.4			

CARB 2017 Scoping Plan Assumes GAP from the Scoping Plan Scenario is closed by the Cap-and-Trade

GHG Emissions Target Setting - Forecasting the 2030 Efficiency Target

STATEWIDE SERVICE POPULATION CALCULATIONS

Population	
2020	40,639,392
2021	40,980,939
2022	41,321,565
2023	41,659,526
2024	41,994,283
2025	42,326,397
2026	42,655,695
2027	42,981,484
2028	43,304,691
2029	43,624,393
2030	43,939,250
2031	44,250,503
2032	44,556,617
2033	44,856,079
2034	45,150,800
2035	45,440,735
2036	45,726,459
2037	46,006,009
2038	46,277,743
2039	46,544,307
2040	46,804,202
2050	49,077,801

California Department of Finance. 2018, March 8. Report P-1 (County): State and County Total Population Projections, 2010-2060 (1 -year increments).http://www.dof.ca.gov/Forecasting/Demographics/Projections/

GHG Emissions Target Setting - Forecasting the 2030 Efficiency Target

CALIFORNIA SERVICE POPULATION (ESTIMATE)

Employment

	Total Employment	Farm Employment	Natural Resources and Mining Employment	Manufacturing + Durable Manufacturing Employment	Employment w/o Industrial and Agricultural Sectors
2020	17,630,930	418,171	22,268	2,177,747	15,012,744
2021	17,787,640	417,961	22,388	2,184,418	15,162,873
2022	17,939,780	418,291	22,578	2,190,008	15,308,902
2023	18,083,910	418,582	22,538	2,192,829	15,449,961
2024	18,224,870	418,862	22,398	2,195,081	15,588,529
2025	18,370,230	419,122	22,188	2,204,979	15,723,941
2026	18,511,920	419,372	22,198	2,215,447	15,854,903
2027	18,648,200	419,612	22,408	2,224,416	15,981,764
2028	18,808,150	419,872	22,438	2,229,397	16,136,443
2029	18,971,340	420,142	22,478	2,234,398	16,294,322
2030	19,137,080	420,402	22,508	2,239,408	16,454,761
2031	19,299,670	420,673	22,538	2,244,399	16,612,060
2032	19,458,160	420,933	22,578	2,249,420	16,765,229
2033	19,615,470	421,203	22,608	2,254,441	16,917,218
2034	19,770,890	421,463	22,648	2,259,502	17,067,277
2035	19,924,140	421,733	22,678	2,264,562	17,215,166
2036	20,078,780	421,993	22,718	2,269,643	17,364,425
2037	20,235,200	422,263	22,748	2,274,724	17,515,465
2038	20,395,030	422,523	22,788	2,279,835	17,669,884
2039	20,551,830	422,794	22,818	2,284,955	17,821,263
2040	20,709,630	423,054	22,859	2,290,086	17,973,632
2050	22,371,010	425,715	23,209	2,342,246	19,579,840

California Department of Transportation. 2017. Long-Term Socio-Economic Forecasts by County.
http://www.dot.ca.gov/hq/tpp/offices/eab/socio_economic.html

GHG Emissions Target Setting - Forecasting the 2030 Efficiency Target

Service Population (SP)

	Total Employment	Employment w/o Industrial and Agricultural Sectors
2020	58,270,322	55,652,136
2021	58,768,579	56,143,812
2022	59,261,345	56,630,467
2023	59,743,436	57,109,487
2024	60,219,153	57,582,812
2025	60,696,627	58,050,338
2026	61,167,615	58,510,598
2027	61,629,684	58,963,248
2028	62,112,841	59,441,134
2029	62,595,733	59,918,715
2030	63,076,330	60,394,011
2031	63,550,173	60,862,563
2032	64,014,777	61,321,846
2033	64,471,549	61,773,297
2034	64,921,690	62,218,077
2035	65,364,875	62,655,901
2036	65,805,239	63,090,884
2037	66,241,209	63,521,474
2038	66,672,773	63,947,627
2039	67,096,137	64,365,570
2040	67,513,832	64,777,834
2050	71,448,811	68,657,641

Project Horizon Year Estimate	2025
2025 population	42,326,397
2025 employment (w/o industrial & Ag)	15,723,941
2025 SP	58,050,338

GHG Emissions Target Setting - Forecasting the 2030 Efficiency Target

2030 Scoping Plan - Efficiency Metric

Year 2020 Plan-Level			
2020 Target (Plan-Level)	MMTCO2e	431	
2020 Per Capita Target	MTCO2e/pc	10.6	
2020 Per Service Population Target (Plan-Level)	MTCO2e/sp	7.7	
Year 2020 Project-Level			
2020 Target (Project-Level)	MMTCO2e	286.9	
2020 Per Capita Target	MTCO2e/pc	7.1	
2020 Per Service Population Target (Project-Level)	MTCO2e/sp	5.2	
Year 2030 Plan-Level			
2030 Target (Plan-Level)	MMTCO2e	260	
2030 Per Capita Target	MTCO2e/pc	5.9	
2030 Per Service Population Target (Plan-Level)	MTCO2e/sp	4.3	
Year 2030 Project-Level			
Land Use Inventory (Project-Level)	MMTCO2e	190.7	
2030 Per Capita Target	MTCO2e/pc	4.3	
2030 Per Service Population Target (Project-Level)	MTCO2e/sp	3.2	
Year 2050 Plan-Level			
2050 Target estimated (Plan-Level)	MMTCO2e	86	
2050 Per Capita Target	MTCO2e/pc	1.8	
2050 Per Service Population Target (Plan-Level)	MTCO2e/sp	1.3	
Year 2050 Project-Level			
2050 Target estimated (Plan-Level)	MMTCO2e	57	
2050 Per Capita Target	MTCO2e/pc	1.2	
2050 Per Service Population Target (Plan-Level)	MTCO2e/sp	0.8	
Project Horizon Year Estimate	2025		
Land Use Inventory (Plan-Level)	MMTCO2e	238.8	-17%
2040 Per Service Population Target (Project-Level)	MTCO2e/sp	4.11	

CalEEMod Project Characteristics Inputs (Construction): Phase 1

Name:	Elizabeth Learning Center ES Modernization
Project Location:	4811 Elizabeth Street, Cudahy
County/Air Basin:	Los Angeles - (South Coast)
Climate Zone:	9
Land Use Setting:	Urban
Operational Year:	2025
Utility Company:	Southern California Edison
Air Basin:	South Coast Air Basin
Air District:	SCAQMD
SRA:	12 - South Central Los Angeles County

Total Project Site Area 0.41 acres

Project Components	Phase	SQFT	Acres
Removal			
6 Portable Buildings	1		0.00
Demolition			
Handball Courts	1	9,875	
Modernization [2]			
Administration Building	1	21,158	0.49
Physical Education Building	1	20,832	0.48
New Construction			
Secondary Building	1	41,668	0.48
15 Interim Portable Buildings	1		0.00

[1] *SQFT obtained by measuring aerial map on Google Earth.*

[2] *Modernization would not entail use of heavy construction equipment.*

CalEEMod Land Use Inputs

Land Use	Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet
Phase 1						
Construct Secondary Building	Educational	Elementary School	41.67	1000 sq. feet	0.41	41,668
Total					0.41	

Demolition

Component	Amount to be Demolished (Tons)	Haul Truck Capacity (tons)	Haul Distance (miles)	Total Trip Ends	Trip Ends/ day	Duration (days)
Phase 1						
Handball Court Demo[1]	414	20	20	41	3	16
Total	414			41		

[1] *Based on square footage provided by the applicant*

Haul

	Number	Total Trip Ends
Phase 1		
Interim Portables Added[1]	15	60
Existing Portables Removed[2]	6	24

[1] *Hauling trips during construction phase 1, protable building installation.*

[2] *Hauling trips during construction phase 2, demolition.*

Secondary Building Worker and Vendor Trips*

Construction Worker Trips:	18	worker trips/day (CalEEMod default)
Vendor Trips:	7	vendor trips/day (CalEEMod default)

*Based on 95,626 building square feet.

Secondary Building Architectural Coating Worker and Vendor Trips*

Construction Worker Trips:	4	worker trips/day (CalEEMod default)

*Based on 95,626 building square feet.

Building Modernization Worker and Vendor Trips

Construction Worker Trips:	18	worker trips/day
Vendor Trips:	7	vendor trips/day

Architectural Coating

Percentage of Buildings' Interior Painted:	100%
Percentage of Buildings' Exterior Painted:	100%
SCAQMD Rule 1113	
Interior Paint VOC content:	100 grams per litter
Exterior Paing VOC content:	100 grams per litter

Non-Residential Structures	Land Use Square Feet	CalEEMod Factor[2]	Total Paintable Surface Area	Paintable Interior Area[1]	Paintable Exterior Area[1]
Phase 1					
New Construction	41,668	2	83,336	62,502	20,834
Modernization	21,158	2	42,316	31,737	10,579
			125,652	94,239	31,413

[1] *CalEEMod methodology calculates the paintable interior and exterior areas by multiplying the total paintable surface area by 75 and 25 percent, respectively.*

[2] *The program assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage defined by the user. Architectural coatings for the parking lot is based on CalEEMod methodology applied to a surface parking lot (i.e., striping), in which 6% of surface area is painted.*

Construction Mitigation

SCAQMD Rule 403

Replace Ground Cover	PM10:	5	% Reduction
	PM25:	5	% Reduction
Water Exposed Area	Frequency:	2	per day
	PM10:	55	% Reduction
	PM25:	55	% Reduction
Unpaved Roads	Vehicle Speed:	15	mph

SCAQMD Rule 1186

	Clean Paved Road	9	% PM Reduction

CalEEMod Project Characteristics Inputs (Construction): Phase 2

Name:	Elizabeth Learning Center ES Modernization
Project Location:	4811 Elizabeth Street, Cudahy
County/Air Basin:	Los Angeles - (South Coast)
Climate Zone:	9
Land Use Setting:	Urban
Operational Year:	2025
Utility Company:	Southern California Edison
Air Basin:	South Coast Air Basin
Air District:	SCAQMD
SRA:	12 - South Central Los Angeles County

Total Project Site Area 1.98 acres

Project Components	Phase	SQFT	Acres
Removal			
13 Portable Buildings	2		
Demolition			
Classroom #7A	2	1,807	0
Classroom #8A	2	1,807	
Classroom #9A	2	20,869	
Site Upgrades			
Secondary Building Hardcourts	2	59,345	1.36

[1] *SQFT obtained by measuring aerial map on Google Earth.*

[2] *Modernization would not entail use of heavy construction equipment.*

CalEEMod Land Use Inputs

Land Use	Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet
Phase 2						
Secondary Building Hardcourts	Parking Lot	Other Asphalt Area	1.36	1000 sq. feet	1.98	59,345
Total					1.98	

Demolition

Component	Amount to be Demolished (Tons)	Haul Truck Capacity (tons)	Haul Distance (miles)	Total Trip Ends	Trip Ends/ day	Duration (days)
Phase 2						
Building Demo	1,126	20	20	112	6	20
Total	1,126			112		

[1] *Based on square footage provided by the applicant*

Haul

	Number	Total Trip Ends
Phase 2		
Existing Portables Removed[2]	13	52

[2] *Hauling trips during construction phase 2, demolition.*

Architectural Coating

Percentage of Buildings' Interior Painted:	100%	
Percentage of Buildings' Exterior Painted:	100%	
SCAQMD Rule 1113		
Interior Paint VOC content:	100	grams per litter
Exterior Paing VOC content:	100	grams per litter

Non-Residential Structures	Land Use Square Feet	CalEEMod Factor[1]	Total Paintable Surface Area	Paintable Interior Area	Paintable Exterior Area
Phase 2					
Secondary Building Hardcourts	59,345	6%	3,561	-	3,561
			3,561	-	3,561

[1] *Architectural coatings for the parking lot is based on CalEEMod methodology applied to a surface parking lot (i.e., striping), in which 6% of surface area is painted.*

Construction Mitigation

SCAQMD Rule 403

Replace Ground Cover	PM10:	5	% Reduction
	PM25:	5	% Reduction
Water Exposed Area	Frequency:	2	per day
	PM10:	55	% Reduction
	PM25:	55	% Reduction
Unpaved Roads	Vehicle Speed:	15	mph

SCAQMD Rule 1186

	Clean Paved Road	9	% PM Reduction

CalEEMod Project Characteristics Inputs (Construction): Phase 3

Name:	Elizabeth Learning Center ES Modernization
Project Location:	4811 Elizabeth Street, Cudahy
County/Air Basin:	Los Angeles - (South Coast)
Climate Zone:	9
Land Use Setting:	Urban
Operational Year:	2025
Utility Company:	Southern California Edison
Air Basin:	South Coast Air Basin
Air District:	SCAQMD
SRA:	12 - South Central Los Angeles County

Total Project Site Area 2.79 acres

Project Components	Phase	SQFT	Acres
Removal			
3 Portable Buildings	3		
Demolition			
Tennis Courts	3	23,570	
ES Play Area	3	49,730	
Modernization [2]			
Building #6B	3	5,236	0.12
Building #1B and #2B	3	6,775	0.16
Computer Lab Building	3	1,536	0.04
Building #2A	3	7,942	0.18
New Construction			
ES Building	3	31,902	0.73
Library	3	5,215	0.12
New Parking Lot	3	11,235	0.26
Site Upgrades			
ES Play Area	3	45,715	1.05

[1] *SQFT obtained by measuring aerial map on Google Earth.*

[2] *Modernization would not entail use of heavy construction equipment.*

CalEEMod Land Use Inputs

Land Use	Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet
Phase 3						
ES and Library Buildings	Education	Elementary School	37.12	1000 sq. feet	1.48	37,117
New Parking Lot	Parking Lot	Parking Lot	0.26	acre	0.26	11,235
ES Play Area	Parking Lot	Other Asphalt Area	1.05	acre	1.05	45,715
Total					2.79	

Demolition

Component	Amount to be Demolished (Tons)	Haul Truck Capacity (tons)	Haul Distance (miles)	Total Trip Ends	Trip Ends/ day	Duration (days)
Phase 3						
Tennis Courts & ES Play Area	1,710	20	20	170	9	19
Total	1,710			170		

[1] *Based on square footage provided by the applicant*

Haul

	Number	Total Trip Ends
Phase 3		
Existing Portables Removed	3	12

ES and Library Building Worker and Vendor Trips*

Construction Worker Trips:	16	worker trips/day (CalEEMod default)
Vendor Trips:	6	vendor trips/day (CalEEMod default)

*Based on 95,626 building square feet.

ES and Library Building Architectural Coating Worker and Vendor Trips*

Construction Worker Trips:	3	worker trips/day (CalEEMod default)

*Based on 95,626 building square feet.

Building Modernization Worker and Vendor Trips

Construction Worker Trips:	9	worker trips/day
Vendor Trips:	4	vendor trips/day

Architectural Coating

Percentage of Buildings' Interior Painted:	100%	
Percentage of Buildings' Exterior Painted:	100%	
SCAQMD Rule 1113		
Interior Paint VOC content:	100	grams per litter
Exterior Paing VOC content:	100	grams per litter

Non-Residential Structures	Land Use Square Feet	CalEEMod Factor[1]	Total Paintable Surface Area	Paintable Interior Area[1]	Paintable Exterior Area[1]
Phase 3					
New Construction	37,117	2	74,234	55,676	18,559
			74,234	55,676	18,559
New Parking Lot	11,235	6%	674	-	674
ES Play Area	45,715	6%	2,743	-	2,743
			3,417	-	3,417

[1] *CalEEMod methodology calculates the paintable interior and exterior areas by multiplying the total paintable surface area by 75 and 25 percent, respectively.*

[2] *The program assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage defined by the user. Architectural coatings for the parking lot is based on CalEEMod methodology applied to a surface parking lot (i.e., striping), in which 6% of surface area is painted.*

Construction Mitigation

SCAQMD Rule 403

Replace Ground Cover	PM10:	5	% Reduction
	PM25:	5	% Reduction
Water Exposed Area	Frequency:	2	per day
	PM10:	55	% Reduction
	PM25:	55	% Reduction
Unpaved Roads	Vehicle Speed:	15	mph

SCAQMD Rule 1186

	Clean Paved Road	9	% PM Reduction

CalEEMod Project Characteristics Inputs (Construction): Phase 4

Name: Elizabeth Learning Center ES Modernization
Project Location: 4811 Elizabeth Street, Cudahy
County/Air Basin: Los Angeles - (South Coast)
Climate Zone: 9
Land Use Setting: Urban
Operational Year: 2025
Utility Company: Southern California Edison
Air Basin: South Coast Air Basin
Air District: SCAQMD
SRA: 12 - South Central Los Angeles County

Total Project Site Area 1.72 acres

Project Components	Phase	SQFT	Acres
Removal			
15 Temporary Portable Buildings	4		
Demolition			
Secondary Play Area	4	36,195	
Modernization [2]			
Building #6B	1	21,158	0.49
Building #1B and #2B	1	20,832	0.48
Computer Lab Building	3		0.00
Building #2A	4		0.00
New Construction			
Kindergarten Buildings	4	8,100	0.19
Site Upgrades			
Kindergarten Play Area	4	26,655	0.61

[1] *SQFT obtained by measuring aerial map on Google Earth.*

[2] *Modernization would not entail use of heavy construction equipment.*

CalEEMod Land Use Inputs

Land Use	Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet
Phase 4						
Kindergarten Buildings	Education	Elementary School	8.100	1000 sq. feet	1.104	8,100
Kindergarten Play Area	Parking Lot	Other Asphalt Area	0.61	acre	0.612	26,655
Total					1.72	

Demolition

Component	Amount to be Demolished (Tons)	Haul Truck Capacity (tons)	Haul Distance (miles)	Total Trip Ends	Trip Ends/ day	Duration (days)
Phase 4						
Secondary Play Area	845	20	20	84	8	11
Total	845			84		

[1] *Based on square footage provided by the applicant*

Haul

	Number	Total Trip Ends
Phase 4		
Interim Portables Removed	15	60

Kindergarten Building Worker and Vendor Trips*

Construction Worker Trips:	3	worker trips/day (CalEEMod default)
Vendor Trips:	1	vendor trips/day (CalEEMod default)

*Based on 95,626 building square feet.

Kindergarten Building Architectural Coating Worker and Vendor Trips*

Construction Worker Trips:	1	worker trips/day (CalEEMod default)

*Based on 95,626 building square feet.

Building Modernization Worker and Vendor Trips*

Construction Worker Trips:	40	worker trips/day (CalEEMod default)
Vendor Trips:	16	vendor trips/day (CalEEMod default)

*Based on 95,626 building square feet.

Building Modernization Architectural Coating Worker and Vendor Trips*

Construction Worker Trips:	8	worker trips/day (CalEEMod default)

*Based on 95,626 building square feet.

Architectural Coating

Percentage of Buildings' Interior Painted:	100%	
Percentage of Buildings' Exterior Painted:	100%	
SCAQMD Rule 1113		
Interior Paint VOC content:	100	grams per litter
Exterior Paing VOC content:	100	grams per litter

Non-Residential Structures	Land Use Square Feet	CalEEMod Factor[1]	Total Paintable Surface Area	Paintable Interior Area[1]	Paintable Exterior Area[1]
Phase 4					
New Construction	8,100	2	16,200	12,150	4,050
Modernization	95,626	2	191,252	143,439	47,813
			207,452	155,589	51,863
Kindergarten Play Area	26,655	6%	1,599	-	1,599
			1,599	-	1,599

[1] *CalEEMod methodology calculates the paintable interior and exterior areas by multiplying the total paintable surface area by 75 and 25 percent, respectively.*

[2] *The program assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage defined by the user. Architectural coatings for the parking lot is based on CalEEMod methodology applied to a surface parking lot (i.e., striping), in which 6% of surface area is painted.*

Construction Mitigation

SCAQMD Rule 403

Replace Ground Cover	PM10:	5	% Reduction
	PM25:	5	% Reduction
Water Exposed Area	Frequency:	2	per day
	PM10:	55	% Reduction
	PM25:	55	% Reduction
Unpaved Roads	Vehicle Speed:	15	mph

SCAQMD Rule 1186

	Clean Paved Road	9	% PM Reduction

CalEEMod Project Characteristics Inputs (Construction): Phase 5

Name:	Elizabeth Learning Center ES Modernization
Project Location:	4811 Elizabeth Street, Cudahy
County/Air Basin:	Los Angeles - (South Coast)
Climate Zone:	9
Land Use Setting:	Urban
Operational Year:	2025
Utility Company:	Southern California Edison
Air Basin:	South Coast Air Basin
Air District:	SCAQMD
SRA:	12 - South Central Los Angeles County

Total Project Site Area 1.87 acres

Project Components	Phase	SQFT	Acres
Site Upgrades			
Repave Remaining Areas	5	81,270	1.87

[1] *SQFT obtained by measuring aerial map on Google Earth.*

[2] *Modernization would not entail use of heavy construction equipment.*

CalEEMod Land Use Inputs

Land Use	Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet
Phase 5						
Repave Remaining Areas	Parking Lot	Other Asphalt Area	1.87	acre	1.87	81,270
Total					1.87	

Architectural Coating

Percentage of Buildings' Interior Painted:	100%	
Percentage of Buildings' Exterior Painted:	100%	
SCAQMD Rule 1113		
Interior Paint VOC content:	100	grams per litter
Exterior Paing VOC content:	100	grams per litter

Non-Residential Structures	Land Use Square Feet	CalEEMod Factor[1]	Total Paintable Surface Area	Paintable Interior Area	Paintable Exterior Area
Phase 5					
Repave Remaining Areas	81,270	6%	4,876	-	4,876
			4,876	-	4,876

[1] *Architectural coatings for the parking lot is based on CalEEMod methodology applied to a surface parking lot (i.e., striping), in which 6% of surface area is painted.*

Construction Mitigation

SCAQMD Rule 403

Replace Ground Cover	PM10:	5	% Reduction
	PM25:	5	% Reduction
Water Exposed Area	Frequency:	2	per day
	PM10:	55	% Reduction
	PM25:	55	% Reduction
Unpaved Roads	Vehicle Speed:	15	mph

SCAQMD Rule 1186

	Clean Paved Road	9	% PM Reduction

Maximum Daily Construction Trips Worksheet

PhaseName	WorkerTripNumber	VendorTripNumber	Haul Trips/Day	HaulingTripNumber	PhaseStartDate	PhaseEndDate	NumDays
P1 Site Preparation	18	0	0	0	2021/07/01	2021/07/02	2
P1 Utility Trenching	8	0	0	0	2021/07/05	2021/09/03	45
P1 Portables Installation	3	0	6	60	2021/07/05	2021/07/16	10
P1 Portables Removal	3	0	5	24	2021/07/19	2021/07/23	5
P1 Handball Ct Demolition	15	0	3	41	2021/07/26	2021/08/16	16
P1 Building Construction	18	7	0	0	2021/08/17	2022/03/25	159
P1 Building Modernization	18	7	0	0	2021/08/17	2022/03/25	159
P1 Architectural Coating-Secondary Bldg	4	0	0	0	2022/03/16	2022/03/25	8
P1 Architectural Coating - Modernization	2	0	0	0	2022/03/16	2022/03/25	8
P2 Classroom Bldg Demo	15	0	6	112	2022/04/01	2022/04/28	20
P2 Portables Removal	3	0	5	52	2022/04/29	2022/05/12	10
P2 Rough Grading	15	0	0	0	2022/05/13	2022/05/18	4
P2 Utility Trenching	5	0	0	0	2022/05/19	2022/07/20	45
P2 Fine Grading	15	0	0	0	2022/07/21	2022/07/26	4
P2 Construct Hardcourts	15	0	0	0	2022/07/27	2022/08/09	10
P2 Architectural Coating	26	0	0	0	2022/08/10	2022/08/10	1
P3 Portables Removal	3	0	4	12	2023/07/03	2023/07/05	3
P3 Tennis Courts Demolition	15	0	9	170	2023/07/06	2023/08/01	19
P3 Rough Grading	15	0	0	0	2023/08/02	2023/08/09	6
P3 Utility Trenching	8	0	0	0	2023/08/10	2023/08/18	7
P3 Fine Grading	15	0	0	0	2023/08/21	2023/08/28	6
P3 Building Construction	16	6	0	0	2023/08/29	2024/06/20	213
P3 Building Modernization	9	4	0	0	2023/08/29	2024/06/20	213
P3 Parking Lot	15	0	0	0	2024/06/14	2024/06/27	10
P3 Pave ES Play Area	15	0	0	0	2024/06/14	2024/06/27	10
P3 Architectural Coating	3	0	0	0	2024/06/14	2024/06/27	10
P4 Secondary Area Demolition	15	0	8	84	2024/07/01	2024/07/15	11
P4 Rough Grading	15	0	0	0	2024/07/16	2024/07/17	2
P4 Repaving	15	0	0	0	2024/07/18	2024/07/24	5
P4 Building Construction	3	1	0	0	2024/07/25	2024/12/20	107
P4 Building Modernization	40	16	0	0	2024/07/25	2024/12/20	107
P4 Modernization Architectural Coating	8	0	0	0	2024/11/20	2024/12/26	27
P4 Pave Kindergarten Area	15	0	0	0	2024/12/19	2024/12/25	5
P4 Kindergarten Architectual Coating	1	0	0	0	2024/12/19	2024/12/25	5
P4 Remove Interim Portables	3	0	6	60	2024/12/23	2025/01/03	10
P5 Asphalt Paving	15	0	0	0	2025/01/01	2025/01/14	10
P5 Finishing/Landscaping	8	0	0	0	2025/01/16	2025/01/29	10

Adjusted

Phase 1	Daily Worker Trips	Daily Vendor Trips	Daily Haul Trips	Total Daily Trips
Site Preparation	18	0	0	18
Utility Trenching & Portables Installation	11	0	6	17
Utility Trenching	8	0	0	8
Utility Trenching &Portables Removal	11	0	5	16
Utility Trenching	8	0	0	8
Uitlity Trenching & Demolished Handball Court	23	0	3	26
Trenching, Construction Secondary Bldg, Modern	44	14	0	58
Const Secondary Bldg & Modern	36	14	0	50
Const Secondary Bldg & Modern, Coatings	42	14	0	56
Phase 2				
Demo Classroom Building	15	0	6	21
Remove 13 Portables	3	0	5	8
Rough Grading	15	0	0	15
Utility Trenching	5	0	0	5
Fine Grading	15	0	0	15
Construct Hardcourts	15	0	0	15
Architectural Coating	26	0	0	26
Phase 3				
Remove 3 Portables	3	0	4	7
Demo tennis courts&ES play area	15	0	9	24
Rough Grading	15	0	0	15
Utility Trenching	8	0	0	8
Fine Grading	15	0	0	15
Construction ES and Library&Modern	25	10	0	35
Const, Modernization, Parking, Paving, Coating	58	10	0	68
Phase 4				
Demolish Secondary Play Area	15	0	8	23
Grading	15	0	0	15
Repave	15	0	0	15
Construct Kindergarten&Modern	43	17	0	60
Construct Kindergarten&Modern&EXCoat	51	17	0	68
Construct Kindergarten&Modern, EXCoat, Pave, Coat	67	17	0	84
EXCoat, Pave, Coat	24	0	0	24
EXCoat, Pave, Coat, & Portables	27	0	6	33
Remove Interim Portables	3	0	6	9
Phase 5				
P4 Remove Interim/P5 Asphalt Paving	18	0	6	24
P5 Asphalt Paving	15	0	0	15
Finishing/Landscaping	8	0	0	8
Max Daily Trips	**67**	**17**	**9**	**84**

Construction Activities and Schedule Assumptions (Elizabeth Learning Center LAUSD)*

**Based on the assumed development phasing, comparable LAUSD projects, and CalEEMod defaults.*

Construction Activities		Construction Schedule		
Phase Name	Phase Type	Start Date	End Date	CalEEMod Days
Phase 1				
Site Preparation	Site Preparation	7/1/2021	7/2/2021	2
Utility Trenching	Utility Trenching	7/5/2021	9/3/2021	45
Portables Installation	Building Construction	7/5/2021	7/16/2021	10
Portables Removal	Demolition	7/19/2021	7/23/2021	5
Demolished Handball Court	Asphalt Demolition	7/26/2021	8/16/2021	16
Construction Secondary Bldg	Building Construction	8/17/2021	3/25/2022	159
Modernization	Building Construction	8/17/2021	3/25/2022	159
Architectural Coating-Secondary	Architectural Coating	3/16/2022	3/25/2022	8
Architectural Coating-Modernization	Architectural Coating	3/16/2022	3/25/2022	8
Phase 2				
Demo Classroom Building	Building Demolition	4/1/2022	4/28/2022	20
Remove 13 Portables	Demolition	4/29/2022	5/12/2022	10
Rough Grading	Rough Grading	5/13/2022	5/18/2022	4
Utility Trenching	Utility Trenching	5/19/2022	7/20/2022	45
Fine Grading	Fine Grading	7/21/2022	7/26/2022	4
Construct Hardcourts	Building Construction	7/27/2022	8/9/2022	10
Architectural Coating	Archtectural Coating	8/10/2022	8/10/2022	1
Phase 3				
Remove 3 Portables	Demolition	7/3/2023	7/5/2023	3
Demo tennis courts&ES play area	Asphalt Demolition	7/6/2023	8/1/2023	19
Rough Grading	Rough Grading	8/2/2023	8/9/2023	6
Utility Trenching	Utility Trenching	8/10/2023	8/18/2023	7
Fine Grading	Fine Grading	8/21/2023	8/28/2023	6
Construction ES and Library	Building Construction	8/29/2023	6/20/2024	213
Modernization	Building Construction	8/29/2023	6/20/2024	213
Pave Parking	Asphalt Paving	6/14/2024	6/27/2024	10
Pave ES Play Area	Asphalt Paving	6/14/2024	6/27/2024	10
Architectural Coating	Archtectural Coating	6/14/2024	6/27/2024	10
Phase 4				
Demolish Secondary Play Area	Asphalt Demolition	7/1/2024	7/15/2024	11
Grading	Grading	7/16/2024	7/17/2024	2
Repave	Asphalt Paving	7/18/2024	7/24/2024	5
Construct Kindergarten	Building Construction	7/25/2024	12/20/2024	107
Modernize Remaining Bldgs	Building Construction	7/25/2024	12/20/2024	107
Architectural Coating - Existing Buildin	Archtectural Coating	11/20/2024	12/25/2024	27
Pave Kindergarten Area	Asphalt Paving	12/19/2024	12/25/2024	5
Architectural Coating - Kindergarten	Archtectural Coating	12/19/2024	12/25/2024	5
Remove Interim Portables	Demolition	12/23/2024	1/3/2025	10
Phase 5				
Asphalt Paving		1/1/2025	1/15/2025	10
Finishing Landscaping		1/16/2025	1/30/2025	10

CalEEMod Construction Off-Road Equipment Inputs

Based on CalEEMod defaults

General Construction Hours: 8 hours btwn 7:00 AM to 4:00 PM

	Construction Equipment Details				
Equipment	**# of Equipment**	**Hrs/Day**	**HP**	**Load Factor**	**total trips**
Phase 1					
Site Preparation					
Rubber Tired Dozers	3	8	247	0.4	
Tractors/Loaders/Backhoes	4	8	97	0.37	
Worker Trips					18
Vendor Trips					0
Hauling Trips					0
Utility Trenching					
Excavators	1	8	158	0.38	
Tractors/Loaders/Backhoes	1	8	97	0.37	
Bore/Drill Rigs	1	8	221	0.5025	
Worker Trips					8
Vendor Trips					0
Hauling Trips					0
Portable Installation					
Cranes	1	8	231	0.29	
Worker Trips					3
Vendor Trips					0
Hauling Trips					60
Portables Removal					
Cranes	1	8	231	0.29	
Worker Trips					3
Vendor Trips					0
Hauling Trips					24
Handball Court Demolition					
Concrete/Industrial Saws	1	8	81	0.73	
Excavators	3	8	158	0.38	
Rubber Tired Dozers	2	8	247	0.4	
Worker Trips					15
Vendor Trips					0
Hauling Trips					41
Building Construction					
Cranes	1	7	231	0.29	
Forklifts	3	8	89	0.2	
Generator Sets	1	8	84	0.74	
Tractors/Loaders/Backhoes	3	7	97	0.37	
Welders	1	8	46	0.45	
Worker Trips					18
Vendor Trips					7
Hauling Trips					0
Building Modernization					
Worker Trips					18
Vendor Trips					7
Hauling Trips					0

Architectural Coating - Secondary Building						
	Air Compressors	1	6	78	0.48	
	Worker Trips					4
	Vendor Trips					0
	Hauling Trips					0
Architectural Coating - Modernization						
	Air Compressors	1	6	78	0.48	
	Worker Trips					2
	Vendor Trips					0
	Hauling Trips					0
Phase 2						
Classroom Building Demolition						
	Concrete/Industrial Saws	1	8	81	0.73	
	Excavators	3	8	158	0.38	
	Rubber Tired Dozers	2	8	247	0.4	
	Worker Trips					15
	Vendor Trips					0
	Hauling Trips					112
Portable Removal						
	Cranes	1	8	231	0.29	
	Worker Trips					3
	Vendor Trips					0
	Hauling Trips					52
Rough Grading						
	Excavators	1	8	158	0.38	
	Graders	1	8	187	0.41	
	Rubber Tired Dozers	1	8	247	0.4	
	Tractors/Loaders/Backhoes	3	8	97	0.37	
	Worker Trips					15
	Vendor Trips					0
	Hauling Trips					0
Utility Trenching						
	Excavators	1	8	158	0.38	
	Tractors/Loaders/Backhoes	1	8	97	0.37	
	Worker Trips					5
	Vendor Trips					0
	Hauling Trips					0
Fine Grading						
	Excavators	1	8	158	0.38	
	Graders	1	8	187	0.41	
	Rubber Tired Dozers	1	8	247	0.4	
	Tractors/Loaders/Backhoes	3	8	97	0.37	
	Worker Trips					15
	Vendor Trips					0
	Hauling Trips					0
Hardcourts Construction						
	Pavers	2	8	130	0.42	
	Paving Equipment	2	8	132	0.36	
	Rollers	2	8	80	0.38	
	Worker Trips					15
	Vendor Trips					0
	Hauling Trips					0

Architectural Coating						
	Air Compressors	1	6	78	0.48	
	Worker Trips					26
	Vendor Trips					0
	Hauling Trips					0
Phase 3						
Portable Removal						
	Cranes	1	8	231	0.29	
	Worker Trips					3
	Vendor Trips					0
	Hauling Trips					12
Tennis Courts Demolition						
	Concrete/Industrial Saws	1	8	81	0.73	
	Excavators	3	8	158	0.38	
	Rubber Tired Dozers	2	8	247	0.4	
	Worker Trips					15
	Vendor Trips					0
	Hauling Trips					170
Rough Grading						
	Excavators	1	8	158	0.38	
	Graders	1	8	187	0.41	
	Rubber Tired Dozers	1	8	247	0.4	
	Tractors/Loaders/Backhoes	3	8	97	0.37	
	Worker Trips					15
	Vendor Trips					0
	Hauling Trips					0
Utility Trenching						
	Excavators	1	8	158	0.38	
	Tractors/Loaders/Backhoes	1	8	97	0.37	
	Bore/Drill Rigs	1	8	221	0.5025	
	Worker Trips					8
	Vendor Trips					0
	Hauling Trips					0
Fine Grading						
	Excavators	1	8	158	0.38	
	Graders	1	8	187	0.41	
	Rubber Tired Dozers	1	8	247	0.4	
	Tractors/Loaders/Backhoes	3	8	97	0.37	
	Worker Trips					15
	Vendor Trips					0
	Hauling Trips					0
Building Construction						
	Cranes	1	7	231	0.29	
	Forklifts	3	8	89	0.2	
	Generator Sets	1	8	84	0.74	
	Tractors/Loaders/Backhoes	3	7	97	0.37	
	Welders	1	8	46	0.45	
	Worker Trips					16
	Vendor Trips					6
	Hauling Trips					0
Building Modernization						
	Worker Trips					9
	Vendor Trips					4
	Hauling Trips					0

Parking Lot Paving						
	Pavers	2	8	130	0.42	
	Paving Equipment	2	8	132	0.36	
	Rollers	2	8	80	0.38	
	Worker Trips					15
	Vendor Trips					0
	Hauling Trips					0
Elementary School Play Area Paving						
	Pavers	2	8	130	0.42	
	Paving Equipment	2	8	132	0.36	
	Rollers	2	8	80	0.38	
	Worker Trips					15
	Vendor Trips					0
	Hauling Trips					0
Architectural Coating						
	Air Compressors	1		78		
	Worker Trips					3
	Vendor Trips					0
	Hauling Trips					0
Phase 4						
Secondary Area Demolition						
	Concrete/Industrial Saws	1	8	81	0.73	
	Excavators	3	8	158	0.38	
	Rubber Tired Dozers	2	8	247	0.4	
	Worker Trips					15
	Vendor Trips					0
	Hauling Trips					84
Rough Grading						
	Excavators	1	8	158	0.38	
	Graders	1	8	187	0.41	
	Rubber Tired Dozers	1	8	247	0.4	
	Tractors/Loaders/Backhoes	3	8	97	0.37	
	Worker Trips					15
	Vendor Trips					0
	Hauling Trips					0
Campus Repaving						
	Pavers	2	8	130	0.42	
	Paving Equipment	2	8	132	0.36	
	Rollers	2	8	80	0.38	
	Worker Trips					15
	Vendor Trips					0
	Hauling Trips					0
Building Construction						
	Cranes	1	7	231	0.29	
	Forklifts	3	8	89	0.2	
	Generator Sets	1	8	84	0.74	
	Tractors/Loaders/Backhoes	3	7	97	0.37	
	Welders	1	8	46	0.45	
	Bore/Drill Rigs	1	8	221	0.5025	
	Worker Trips					3
	Vendor Trips					1
	Hauling Trips					0
Building Modernization						
	Worker Trips					40
	Vendor Trips					16
	Hauling Trips					0

Architectural Coating - Modernization						
	Air Compressors	1	6	78	0.48	
	Worker Trips					8
	Vendor Trips					0
	Hauling Trips					0
Paving - Kindergarten Area						
	Pavers	2	8	130	0.42	
	Paving Equipment	2	8	132	0.36	
	Rollers	2	8	80	0.38	
	Worker Trips					15
	Vendor Trips					0
	Hauling Trips					0
Architectural Coating - Kindergarten Building						
	Air Compressors	1	6	78	0.48	
	Worker Trips					1
	Vendor Trips					0
	Hauling Trips					0
Portables Removal						
	Cranes	1	8	231	0.29	
	Worker Trips					3
	Vendor Trips					0
	Hauling Trips					60
Phase 5						
Asphalt Paving						
	Pavers	2	8	130	0.42	
	Paving Equipment	2	8	132	0.36	
	Rollers	2	8	80	0.38	
	Worker Trips					15
	Vendor Trips					0
	Hauling Trips					0
Finishing/Landscaping						
	Excavators	1	8	158	0.38	
	Paving Equipment	1	8	132	0.36	
	Skid Steer Loaders	1	8	65	0.37	
	Worker Trips					8
	Vendor Trips					0
	Hauling Trips					0

[1] *Based on other projects with finishing/landscaping phase.*

Pavement Volume to Weight Conversion

Component	Total SF of Area[1]	Assumed Thickness (foot)[2]	Debris Volume (cu. ft)	weight or Crushed Asphalt (lbs/cf)[3]	AC Mass (lbs)	AC Mass (tons)
Handball Court (asphalt)	6,646	0.333	2,215	140	310,147	155.07
Handball Court (floor)	5,015	0.333	1,672	140	234,033	117.02
Handball Court (walls)	4,860	0.417	2,025	140	283,500	141.75
Tennis Courts	23,570	0.333	7,857	140	1,099,933	549.97
ES Play Area	49,730	0.333	16,577	140	2,320,733	1160.37
Secondary Play Area	36,195	0.333	12,065	140	1,689,100	844.55

[1] Based on construction information provided by the Applicant.
[2] Pavements and Surface Materials. Nonpoint Education for Municipal Officials, Technical Paper Number 8. University of Connetcut Cooperative Extension System, 1999. The handball court wall thickness is an estimate based on visuals of the walls.
[3] http://www.reade.com/Particle_Briefings/spec_gra2.html

Demo Haul Trip Calculation

*Conversion factors**

0.046	ton/SF
1.2641662	tons/cy
20	tons
15.820705	CY
0.7910352	CY/ton

Building Demoltion Haul Trips (BSF and Haul Truck (CY) given)

BSF Demo	Tons/SF	Tons	Haul Truck (CY)	Haul Truck (Ton)	Round Trips	Total Trip Ends
24,483	0.046	1126.218	16	20.00	56	113

*CalEEMod User's Guide Version 2011.1, Appendix A

Construction - Los Angeles-South Coast County, Summer

Construction

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	86.89	1000sqft	3.00	86,885.00	0
Other Asphalt Surfaces	4.89	Acre	5.50	212,985.00	0
Parking Lot	0.26	Acre	0.26	11,235.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on the project description.

Construction Phase - Based on project description

Off-road Equipment - .

Off-road Equipment -
Off-road Equipment -
Off-road Equipment - .
Off-road Equipment - No additional off-road equipment assumed.
Off-road Equipment - .
Off-road Equipment -
Off-road Equipment -
Off-road Equipment -
Off-road Equipment - Assumed.
Off-road Equipment -
Off-road Equipment -
Off-road Equipment -
Off-road Equipment -
Off-road Equipment - .
Off-road Equipment -
Off-road Equipment - Assumed
Off-road Equipment -
Off-road Equipment -
Off-road Equipment - Assumes no additional off-road equipment
Off-road Equipment -
Off-road Equipment -
Off-road Equipment -
Off-road Equipment - Assumed
Off-road Equipment -
Off-road Equipment -
Off-road Equipment - Assumed
Off-road Equipment -

Off-road Equipment - Assumes no additional off-road equipment.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Assumed

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Assumed based on comparble project.

Trips and VMT - See assumptions for for details.

Demolition -

Architectural Coating - See assumptions file in the AQ/GHG appendix for details.

Vehicle Trips - .

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,443.00	20,834.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,443.00	10,579.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,443.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,443.00	18,559.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,443.00	47,813.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,443.00	4,050.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	130,328.00	62,502.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	130,328.00	31,737.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	130,328.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	130,328.00	55,676.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	130,328.00	0.00

tblArchitecturalCoating	ConstArea_Nonresidential_Interior	130,328.00	12,150.00
tblArchitecturalCoating	ConstArea_Parking	13,453.00	0.00
tblArchitecturalCoating	ConstArea_Parking	13,453.00	0.00
tblArchitecturalCoating	ConstArea_Parking	13,453.00	3,561.00
tblArchitecturalCoating	ConstArea_Parking	13,453.00	3,417.00
tblArchitecturalCoating	ConstArea_Parking	13,453.00	0.00
tblArchitecturalCoating	ConstArea_Parking	13,453.00	1,599.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	27.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	20.00	8.00
tblConstructionPhase	NumDays	20.00	8.00
tblConstructionPhase	NumDays	230.00	213.00
tblConstructionPhase	NumDays	230.00	213.00
tblConstructionPhase	NumDays	230.00	107.00
tblConstructionPhase	NumDays	230.00	107.00
tblConstructionPhase	NumDays	230.00	159.00
tblConstructionPhase	NumDays	230.00	159.00

tblConstructionPhase	NumDays	20.00	19.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	16.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	10.00	2.00
tblLandUse	LandUseSquareFeet	86,890.00	86,885.00
tblLandUse	LandUseSquareFeet	213,008.40	212,985.00
tblLandUse	LandUseSquareFeet	11,325.60	11,235.00
tblLandUse	LotAcreage	1.99	3.00
tblLandUse	LotAcreage	4.89	5.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	HaulingTripNumber	111.00	112.00
tblTripsAndVMT	HaulingTripNumber	0.00	52.00
tblTripsAndVMT	HaulingTripNumber	0.00	12.00
tblTripsAndVMT	HaulingTripNumber	169.00	170.00
tblTripsAndVMT	HaulingTripNumber	0.00	60.00
tblTripsAndVMT	HaulingTripNumber	0.00	60.00
tblTripsAndVMT	HaulingTripNumber	0.00	24.00
tblTripsAndVMT	VendorTripNumber	51.00	6.00
tblTripsAndVMT	VendorTripNumber	51.00	4.00
tblTripsAndVMT	VendorTripNumber	51.00	1.00
tblTripsAndVMT	VendorTripNumber	51.00	16.00
tblTripsAndVMT	VendorTripNumber	51.00	7.00
tblTripsAndVMT	VendorTripNumber	51.00	7.00
tblTripsAndVMT	WorkerTripNumber	131.00	16.00
tblTripsAndVMT	WorkerTripNumber	131.00	9.00
tblTripsAndVMT	WorkerTripNumber	26.00	3.00
tblTripsAndVMT	WorkerTripNumber	131.00	3.00
tblTripsAndVMT	WorkerTripNumber	131.00	40.00
tblTripsAndVMT	WorkerTripNumber	26.00	8.00

tblTripsAndVMT	WorkerTripNumber	26.00	1.00
tblTripsAndVMT	WorkerTripNumber	131.00	18.00
tblTripsAndVMT	WorkerTripNumber	131.00	18.00
tblTripsAndVMT	WorkerTripNumber	26.00	4.00
tblTripsAndVMT	WorkerTripNumber	26.00	2.00
tblVehicleTrips	WD_TR	15.43	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.9653	40.5501	30.2586	0.0611	18.2675	2.0461	20.3135	9.9840	1.8824	11.8664	0.0000	5,939.9183	5,939.9183	1.6314	0.0000	5,980.7034
2022	47.8237	27.1548	21.8875	0.0448	6.7200	1.2480	7.6622	3.4120	1.1603	4.2787	0.0000	4,379.9916	4,379.9916	1.0887	0.0000	4,407.2083
2023	2.3722	22.9914	20.6651	0.0470	6.7200	1.0015	7.4962	3.4120	0.9317	4.1261	0.0000	4,622.9459	4,622.9459	1.1006	0.0000	4,650.4606
2024	29.9632	34.5370	49.2891	0.0840	6.7200	1.6169	7.4457	3.4120	1.5051	4.0796	0.0000	8,109.9712	8,109.9712	2.0763	0.0000	8,161.8796
2025	2.8292	12.7513	17.1951	0.0347	0.4912	0.5564	1.0476	0.1276	0.5120	0.6395	0.0000	3,419.1141	3,419.1141	0.9301	0.0000	3,442.3674
Maximum	**47.8237**	**40.5501**	**49.2891**	**0.0840**	**18.2675**	**2.0461**	**20.3135**	**9.9840**	**1.8824**	**11.8664**	**0.0000**	**8,109.9712**	**8,109.9712**	**2.0763**	**0.0000**	**8,161.8796**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.9653	40.5501	30.2586	0.0611	7.9088	2.0461	9.9549	4.2949	1.8824	6.1773	0.0000	5,939.9183	5,939.9183	1.6314	0.0000	5,980.7034
2022	47.8237	27.1548	21.8875	0.0448	2.9557	1.2480	3.8978	1.4809	1.1603	2.3476	0.0000	4,379.9916	4,379.9916	1.0887	0.0000	4,407.2083
2023	2.3722	22.9914	20.6651	0.0470	2.9557	1.0015	3.7319	1.4809	0.9317	2.1950	0.0000	4,622.9459	4,622.9459	1.1006	0.0000	4,650.4606
2024	29.9632	34.5370	49.2891	0.0840	2.9557	1.6169	3.6813	1.4809	1.5051	2.1485	0.0000	8,109.9712	8,109.9712	2.0763	0.0000	8,161.8796
2025	2.8292	12.7513	17.1951	0.0347	0.4517	0.5564	1.0081	0.1179	0.5120	0.6298	0.0000	3,419.1141	3,419.1141	0.9301	0.0000	3,442.3674
Maximum	**47.8237**	**40.5501**	**49.2891**	**0.0840**	**7.9088**	**2.0461**	**9.9549**	**4.2949**	**1.8824**	**6.1773**	**0.0000**	**8,109.9712**	**8,109.9712**	**2.0763**	**0.0000**	**8,161.8796**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**55.73**	**0.00**	**49.34**	**56.48**	**0.00**	**45.99**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P1 Site Preparation	Site Preparation	7/1/2021	7/2/2021	5	2	
2	P1 Utility Trenching	Trenching	7/5/2021	9/3/2021	5	45	
3	P1 Portables Installation	Trenching	7/5/2021	7/16/2021	5	10	
4	P1 Portables Removal	Trenching	7/19/2021	7/23/2021	5	5	

5	P1 Handball Ct Demolition	Demolition	7/26/2021	8/16/2021	5	16
6	P1 Building Construction	Building Construction	8/17/2021	3/25/2022	5	159
7	P1 Building Modernization	Building Construction	8/17/2021	3/25/2022	5	159
8	P1 Architectural Coating-Secondary Bldg	Architectural Coating	3/16/2022	3/25/2022	5	8
9	P1 Architectural Coating - Modernization	Architectural Coating	3/16/2022	3/25/2022	5	8
10	P2 Classroom Bldg Demo	Demolition	4/1/2022	4/28/2022	5	20
11	P2 Portables Removal	Trenching	4/29/2022	5/12/2022	5	10
12	P2 Rough Grading	Grading	5/13/2022	5/18/2022	5	4
13	P2 Utility Trenching	Trenching	5/19/2022	7/20/2022	5	45
14	P2 Fine Grading	Grading	7/21/2022	7/26/2022	5	4
15	P2 Construct Hardcourts	Paving	7/27/2022	8/9/2022	5	10
16	P2 Architectural Coating	Architectural Coating	8/10/2022	8/10/2022	5	1
17	P3 Portables Removal	Trenching	7/3/2023	7/5/2023	5	3
18	P3 Tennis Courts Demolition	Demolition	7/6/2023	8/1/2023	5	19
19	P3 Rough Grading	Grading	8/2/2023	8/9/2023	5	6
20	P3 Utility Trenching	Trenching	8/10/2023	8/18/2023	5	7
21	P3 Fine Grading	Grading	8/21/2023	8/28/2023	5	6
22	P3 Building Construction	Building Construction	8/29/2023	6/20/2024	5	213
23	P3 Building Modernization	Building Construction	8/29/2023	6/20/2024	5	213
24	P3 Parking Lot	Paving	6/14/2024	6/27/2024	5	10
25	P3 Pave ES Play Area	Paving	6/14/2024	6/27/2024	5	10
26	P3 Architectural Coating	Architectural Coating	6/14/2024	6/27/2024	5	10
27	P4 Secondary Area Demolition	Demolition	7/1/2024	7/15/2024	5	11
28	P4 Rough Grading	Grading	7/16/2024	7/17/2024	5	2
29	P4 Repaving	Paving	7/18/2024	7/24/2024	5	5
30	P4 Building Construction	Building Construction	7/25/2024	12/20/2024	5	107
31	P4 Building Modernization	Building Construction	7/25/2024	12/20/2024	5	107

32	P4 Modernization Architectural Coating	Architectural Coating	11/20/2024	12/26/2024	5	27	
33	P4 Pave Kindergarten Area	Paving	12/19/2024	12/25/2024	5	5	
34	P4 Kindergarten Architectual Coating	Architectural Coating	12/19/2024	12/25/2024	5	5	
35	P4 Remove Interim Portables	Trenching	12/23/2024	1/3/2025	5	10	
36	P5 Asphalt Paving	Paving	1/1/2025	1/14/2025	5	10	
37	P5 Finishing/Landscaping	Trenching	1/16/2025	1/29/2025	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.76

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 62,502; Non-Residential Outdoor: 20,834; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
P1 Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
P1 Utility Trenching	Bore/Drill Rigs	1	8.00	221	0.50
P1 Utility Trenching	Excavators	1	8.00	158	0.38
P1 Utility Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P1 Portables Installation	Cranes	1	8.00	231	0.29
P1 Portables Removal	Cranes	1	8.00	231	0.29
P1 Handball Ct Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
P1 Handball Ct Demolition	Excavators	3	8.00	158	0.38
P1 Handball Ct Demolition	Rubber Tired Dozers	2	8.00	247	0.40
P1 Building Construction	Cranes	1	7.00	231	0.29
P1 Building Construction	Forklifts	3	8.00	89	0.20
P1 Building Construction	Generator Sets	1	8.00	84	0.74

P1 Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
P1 Building Construction	Welders	1	8.00	46	0.45
P1 Building Modernization	Cranes	0	7.00	231	0.29
P1 Building Modernization	Forklifts	0	8.00	89	0.20
P1 Building Modernization	Generator Sets	0	8.00	84	0.74
P1 Building Modernization	Tractors/Loaders/Backhoes	0	7.00	97	0.37
P1 Building Modernization	Welders	0	8.00	46	0.45
P1 Architectural Coating-Secondary Bldg	Air Compressors	1	6.00	78	0.48
P1 Architectural Coating - Modernization	Air Compressors	1	6.00	78	0.48
P2 Classroom Bldg Demo	Concrete/Industrial Saws	1	8.00	81	0.73
P2 Classroom Bldg Demo	Excavators	3	8.00	158	0.38
P2 Classroom Bldg Demo	Rubber Tired Dozers	2	8.00	247	0.40
P2 Portables Removal	Cranes	1	8.00	231	0.29
P2 Rough Grading	Excavators	1	8.00	158	0.38
P2 Rough Grading	Graders	1	8.00	187	0.41
P2 Rough Grading	Rubber Tired Dozers	1	8.00	247	0.40
P2 Rough Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P2 Utility Trenching	Excavators	1	8.00	158	0.38
P2 Utility Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P2 Fine Grading	Excavators	1	8.00	158	0.38
P2 Fine Grading	Graders	1	8.00	187	0.41
P2 Fine Grading	Rubber Tired Dozers	1	8.00	247	0.40
P2 Fine Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P2 Construct Hardcourts	Pavers	2	8.00	130	0.42
P2 Construct Hardcourts	Paving Equipment	2	8.00	132	0.36
P2 Construct Hardcourts	Rollers	2	8.00	80	0.38
P2 Architectural Coating	Air Compressors	1	6.00	78	0.48

P3 Portables Removal	Cranes	1	8.00	231	0.29
P3 Tennis Courts Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
P3 Tennis Courts Demolition	Excavators	3	8.00	158	0.38
P3 Tennis Courts Demolition	Rubber Tired Dozers	2	8.00	247	0.40
P3 Rough Grading	Excavators	1	8.00	158	0.38
P3 Rough Grading	Graders	1	8.00	187	0.41
P3 Rough Grading	Rubber Tired Dozers	1	8.00	247	0.40
P3 Rough Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P3 Utility Trenching	Bore/Drill Rigs	1	8.00	221	0.50
P3 Utility Trenching	Excavators	1	8.00	158	0.38
P3 Utility Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P3 Fine Grading	Excavators	1	8.00	158	0.38
P3 Fine Grading	Graders	1	8.00	187	0.41
P3 Fine Grading	Rubber Tired Dozers	1	8.00	247	0.40
P3 Fine Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P3 Building Construction	Cranes	1	7.00	231	0.29
P3 Building Construction	Forklifts	3	8.00	89	0.20
P3 Building Construction	Generator Sets	1	8.00	84	0.74
P3 Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
P3 Building Construction	Welders	1	8.00	46	0.45
P3 Building Modernization	Cranes	0	7.00	231	0.29
P3 Building Modernization	Forklifts	0	8.00	89	0.20
P3 Building Modernization	Generator Sets	0	8.00	84	0.74
P3 Building Modernization	Tractors/Loaders/Backhoes	0	7.00	97	0.37
P3 Building Modernization	Welders	0	8.00	46	0.45
P3 Parking Lot	Pavers	2	8.00	130	0.42
P3 Parking Lot	Paving Equipment	2	8.00	132	0.36

P3 Parking Lot	Rollers	2	8.00	80	0.38
P3 Pave ES Play Area	Pavers	2	8.00	130	0.42
P3 Pave ES Play Area	Paving Equipment	2	8.00	132	0.36
P3 Pave ES Play Area	Rollers	2	8.00	80	0.38
P3 Architectural Coating	Air Compressors	1	6.00	78	0.48
P4 Secondary Area Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
P4 Secondary Area Demolition	Excavators	3	8.00	158	0.38
P4 Secondary Area Demolition	Rubber Tired Dozers	2	8.00	247	0.40
P4 Rough Grading	Excavators	1	8.00	158	0.38
P4 Rough Grading	Graders	1	8.00	187	0.41
P4 Rough Grading	Rubber Tired Dozers	1	8.00	247	0.40
P4 Rough Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P4 Repaving	Pavers	2	8.00	130	0.42
P4 Repaving	Paving Equipment	2	8.00	132	0.36
P4 Repaving	Rollers	2	8.00	80	0.38
P4 Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
P4 Building Construction	Cranes	1	7.00	231	0.29
P4 Building Construction	Forklifts	3	8.00	89	0.20
P4 Building Construction	Generator Sets	1	8.00	84	0.74
P4 Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
P4 Building Construction	Welders	1	8.00	46	0.45
P4 Building Modernization	Cranes	0	7.00	231	0.29
P4 Building Modernization	Forklifts	0	8.00	89	0.20
P4 Building Modernization	Generator Sets	0	8.00	84	0.74
P4 Building Modernization	Tractors/Loaders/Backhoes	0	7.00	97	0.37
P4 Building Modernization	Welders	0	8.00	46	0.45
P4 Modernization Architectural Coating	Air Compressors	1	6.00	78	0.48

P4 Pave Kindergarten Area	Pavers	2	8.00	130	0.42
P4 Pave Kindergarten Area	Paving Equipment	2	8.00	132	0.36
P4 Pave Kindergarten Area	Rollers	2	8.00	80	0.38
P4 Kindergarten Architectual Coating	Air Compressors	1	6.00	78	0.48
P4 Remove Interim Portables	Cranes	1	8.00	231	0.29
P5 Asphalt Paving	Pavers	2	8.00	130	0.42
P5 Asphalt Paving	Paving Equipment	2	8.00	132	0.36
P5 Asphalt Paving	Rollers	2	8.00	80	0.38
P5 Finishing/Landscaping	Excavators	1	8.00	158	0.38
P5 Finishing/Landscaping	Paving Equipment	1	8.00	132	0.36
P5 Finishing/Landscaping	Skid Steer Loaders	1	8.00	65	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
P1 Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Utility Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Portables Installation	1	3.00	0.00	60.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Portables Removal	1	3.00	0.00	24.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Handball Ct Demolition	6	15.00	0.00	41.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Building Construction	9	18.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Building Modernization	0	18.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Architectural Coating-Secondary	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Architectural Coating -	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P2 Classroom Bldg Demo	6	15.00	0.00	112.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P2 Portables Removal	1	3.00	0.00	52.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P2 Rough Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

P2 Utility Trenching	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P2 Fine Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P2 Construct Hardcourts	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P2 Architectural Coating	1	26.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Portables Removal	1	3.00	0.00	12.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Tennis Courts Demolition	6	15.00	0.00	170.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Rough Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Utility Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Fine Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Building Construction	9	16.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Building Modernization	0	9.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Parking Lot	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Pave ES Play Area	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Architectural Coating	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Secondary Area Demolition	6	15.00	0.00	84.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Rough Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Repaving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Building Construction	10	3.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Building Modernization	0	40.00	16.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Modernization Architectural Coating	1	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Pave Kindergarten Area	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Kindergarten Architectual Coating	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Remove Interim Portables	1	3.00	0.00	60.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P5 Asphalt Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P5 Finishing/Landscaping	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 P1 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

Unmitigated Construction Off-Site

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

Worker	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296
Total	**0.0772**	**0.0530**	**0.7250**	**2.0600e-003**	**0.2012**	**1.6300e-003**	**0.2028**	**0.0534**	**1.5000e-003**	**0.0549**		**204.9786**	**204.9786**	**6.0400e-003**		**205.1296**

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					7.7233	0.0000	7.7233	4.2454	0.0000	4.2454			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**7.7233**	**2.0445**	**9.7678**	**4.2454**	**1.8809**	**6.1263**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.1855	1.6300e-003	0.1871	0.0495	1.5000e-003	0.0510		204.9786	204.9786	6.0400e-003		205.1296

Total	**0.0772**	**0.0530**	**0.7250**	**2.0600e-003**	**0.1855**	**1.6300e-003**	**0.1871**	**0.0495**	**1.5000e-003**	**0.0510**		**204.9786**	**204.9786**	**6.0400e-003**		**205.1296**

3.3 P1 Utility Trenching - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6746	7.0720	7.6060	0.0177		0.3079	0.3079		0.2832	0.2832		1,713.1545	1,713.1545	0.5541		1,727.0062
Total	**0.6746**	**7.0720**	**7.6060**	**0.0177**		**0.3079**	**0.3079**		**0.2832**	**0.2832**		**1,713.1545**	**1,713.1545**	**0.5541**		**1,727.0062**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0343	0.0236	0.3222	9.1000e-004	0.0894	7.2000e-004	0.0901	0.0237	6.7000e-004	0.0244		91.1016	91.1016	2.6800e-003		91.1687
Total	**0.0343**	**0.0236**	**0.3222**	**9.1000e-004**	**0.0894**	**7.2000e-004**	**0.0901**	**0.0237**	**6.7000e-004**	**0.0244**		**91.1016**	**91.1016**	**2.6800e-003**		**91.1687**

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	0.6746	7.0720	7.6060	0.0177		0.3079	0.3079		0.2832	0.2832	0.0000	1,713.1545	1,713.1545	0.5541		1,727.0062
Total	**0.6746**	**7.0720**	**7.6060**	**0.0177**		**0.3079**	**0.3079**		**0.2832**	**0.2832**	**0.0000**	**1,713.1545**	**1,713.1545**	**0.5541**		**1,727.0062**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0343	0.0236	0.3222	9.1000e-004	0.0824	7.2000e-004	0.0832	0.0220	6.7000e-004	0.0227		91.1016	91.1016	2.6800e-003		91.1687
Total	**0.0343**	**0.0236**	**0.3222**	**9.1000e-004**	**0.0824**	**7.2000e-004**	**0.0832**	**0.0220**	**6.7000e-004**	**0.0227**		**91.1016**	**91.1016**	**2.6800e-003**		**91.1687**

3.4 P1 Portables Installation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4129	4.8493	1.9829	5.7700e-003		0.1969	0.1969		0.1811	0.1811		558.7388	558.7388	0.1807		563.2565
Total	**0.4129**	**4.8493**	**1.9829**	**5.7700e-003**		**0.1969**	**0.1969**		**0.1811**	**0.1811**		**558.7388**	**558.7388**	**0.1807**		**563.2565**

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	0.0500	1.6095	0.3774	4.6800e-003	0.1049	4.9400e-003	0.1099	0.0288	4.7300e-003	0.0335		507.8678	507.8678	0.0345		508.7294
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0129	8.8400e-003	0.1208	3.4000e-004	0.0335	2.7000e-004	0.0338	8.8900e-003	2.5000e-004	9.1400e-003		34.1631	34.1631	1.0100e-003		34.1883
Total	**0.0629**	**1.6183**	**0.4982**	**5.0200e-003**	**0.1384**	**5.2100e-003**	**0.1437**	**0.0377**	**4.9800e-003**	**0.0426**		**542.0309**	**542.0309**	**0.0355**		**542.9177**

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	0.4129	4.8493	1.9829	5.7700e-003		0.1969	0.1969		0.1811	0.1811	0.0000	558.7388	558.7388	0.1807		563.2565
Total	**0.4129**	**4.8493**	**1.9829**	**5.7700e-003**		**0.1969**	**0.1969**		**0.1811**	**0.1811**	**0.0000**	**558.7388**	**558.7388**	**0.1807**		**563.2565**

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	0.0500	1.6095	0.3774	4.6800e-003	0.0978	4.9400e-003	0.1027	0.0270	4.7300e-003	0.0317		507.8678	507.8678	0.0345		508.7294
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0129	8.8400e-003	0.1208	3.4000e-004	0.0309	2.7000e-004	0.0312	8.2500e-003	2.5000e-004	8.5000e-003		34.1631	34.1631	1.0100e-003		34.1883
Total	**0.0629**	**1.6183**	**0.4982**	**5.0200e-003**	**0.1287**	**5.2100e-003**	**0.1339**	**0.0353**	**4.9800e-003**	**0.0402**		**542.0309**	**542.0309**	**0.0355**		**542.9177**

3.5 P1 Portables Removal - 2021

Unmitigated Construction On-Site

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

Category	lb/day										lb/day					
Off-Road	0.4129	4.8493	1.9829	5.7700e-003		0.1969	0.1969		0.1811	0.1811		558.7388	558.7388	0.1807		563.2565
Total	**0.4129**	**4.8493**	**1.9829**	**5.7700e-003**		**0.1969**	**0.1969**		**0.1811**	**0.1811**		**558.7388**	**558.7388**	**0.1807**		**563.2565**

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	0.0400	1.2876	0.3019	3.7400e-003	0.0839	3.9500e-003	0.0879	0.0230	3.7800e-003	0.0268		406.2942	406.2942	0.0276		406.9835
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0129	8.8400e-003	0.1208	3.4000e-004	0.0335	2.7000e-004	0.0338	8.8900e-003	2.5000e-004	9.1400e-003		34.1631	34.1631	1.0100e-003		34.1883
Total	**0.0529**	**1.2964**	**0.4227**	**4.0800e-003**	**0.1175**	**4.2200e-003**	**0.1217**	**0.0319**	**4.0300e-003**	**0.0359**		**440.4573**	**440.4573**	**0.0286**		**441.1718**

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	0.4129	4.8493	1.9829	5.7700e-003		0.1969	0.1969		0.1811	0.1811	0.0000	558.7388	558.7388	0.1807		563.2565
Total	**0.4129**	**4.8493**	**1.9829**	**5.7700e-003**		**0.1969**	**0.1969**		**0.1811**	**0.1811**	**0.0000**	**558.7388**	**558.7388**	**0.1807**		**563.2565**

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	0.0400	1.2876	0.3019	3.7400e-003	0.0782	3.9500e-003	0.0822	0.0216	3.7800e-003	0.0254		406.2942	406.2942	0.0276		406.9835
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0129	8.8400e-003	0.1208	3.4000e-004	0.0309	2.7000e-004	0.0312	8.2500e-003	2.5000e-004	8.5000e-003		34.1631	34.1631	1.0100e-003		34.1883
Total	**0.0529**	**1.2964**	**0.4227**	**4.0800e-003**	**0.1091**	**4.2200e-003**	**0.1134**	**0.0299**	**4.0300e-003**	**0.0339**		**440.4573**	**440.4573**	**0.0286**		**441.1718**

3.6 P1 Handball Ct Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5537	0.0000	0.5537	0.0838	0.0000	0.0838			0.0000			0.0000

Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**0.5537**	**1.5513**	**2.1050**	**0.0838**	**1.4411**	**1.5249**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0214	0.6874	0.1612	2.0000e-003	0.0448	2.1100e-003	0.0469	0.0123	2.0200e-003	0.0143		216.9019	216.9019	0.0147		217.2699
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	**0.0857**	**0.7316**	**0.7653**	**3.7100e-003**	**0.2125**	**3.4600e-003**	**0.2159**	**0.0568**	**3.2700e-003**	**0.0600**		**387.7173**	**387.7173**	**0.0198**		**388.2112**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2367	0.0000	0.2367	0.0358	0.0000	0.0358			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**0.2367**	**1.5513**	**1.7881**	**0.0358**	**1.4411**	**1.4769**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0214	0.6874	0.1612	2.0000e-003	0.0418	2.1100e-003	0.0439	0.0115	2.0200e-003	0.0136		216.9019	216.9019	0.0147		217.2699
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1546	1.3500e-003	0.1559	0.0413	1.2500e-003	0.0425		170.8155	170.8155	5.0300e-003		170.9413
Total	**0.0857**	**0.7316**	**0.7653**	**3.7100e-003**	**0.1963**	**3.4600e-003**	**0.1998**	**0.0528**	**3.2700e-003**	**0.0560**		**387.7173**	**387.7173**	**0.0198**		**388.2112**

3.7 P1 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0213	0.6796	0.1777	1.8000e-003	0.0448	1.3900e-003	0.0462	0.0129	1.3300e-003	0.0142		192.4164	192.4164	0.0113		192.6998
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296
Total	**0.0984**	**0.7327**	**0.9027**	**3.8600e-003**	**0.2460**	**3.0200e-003**	**0.2490**	**0.0663**	**2.8300e-003**	**0.0691**		**397.3950**	**397.3950**	**0.0174**		**397.8294**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0213	0.6796	0.1777	1.8000e-003	0.0419	1.3900e-003	0.0433	0.0122	1.3300e-003	0.0135		192.4164	192.4164	0.0113		192.6998
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.1855	1.6300e-003	0.1871	0.0495	1.5000e-003	0.0510		204.9786	204.9786	6.0400e-003		205.1296
Total	**0.0984**	**0.7327**	**0.9027**	**3.8600e-003**	**0.2274**	**3.0200e-003**	**0.2304**	**0.0617**	**2.8300e-003**	**0.0645**		**397.3950**	**397.3950**	**0.0174**		**397.8294**

3.7 P1 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0200	0.6463	0.1681	1.7800e-003	0.0448	1.2100e-003	0.0460	0.0129	1.1600e-003	0.0141		190.7401	190.7401	0.0110		191.0138
Worker	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	**0.0922**	**0.6942**	**0.8370**	**3.7600e-003**	**0.2460**	**2.7800e-003**	**0.2488**	**0.0663**	**2.6100e-003**	**0.0689**		**388.5083**	**388.5083**	**0.0164**		**388.9185**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

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

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0200	0.6463	0.1681	1.7800e-003	0.0419	1.2100e-003	0.0432	0.0122	1.1600e-003	0.0134		190.7401	190.7401	0.0110		191.0138
Worker	0.0723	0.0479	0.6689	1.9800e-003	0.1855	1.5700e-003	0.1870	0.0495	1.4500e-003	0.0510		197.7682	197.7682	5.4600e-003		197.9047
Total	**0.0922**	**0.6942**	**0.8370**	**3.7600e-003**	**0.2274**	**2.7800e-003**	**0.2302**	**0.0617**	**2.6100e-003**	**0.0643**		**388.5083**	**388.5083**	**0.0164**		**388.9185**

3.8 P1 Building Modernization - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0213	0.6796	0.1777	1.8000e-003	0.0448	1.3900e-003	0.0462	0.0129	1.3300e-003	0.0142		192.4164	192.4164	0.0113		192.6998
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296
Total	**0.0984**	**0.7327**	**0.9027**	**3.8600e-003**	**0.2460**	**3.0200e-003**	**0.2490**	**0.0663**	**2.8300e-003**	**0.0691**		**397.3950**	**397.3950**	**0.0174**		**397.8294**

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

Mitigated Construction Off-Site

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

Vendor	0.0213	0.6796	0.1777	1.8000e-003	0.0419	1.3900e-003	0.0433	0.0122	1.3300e-003	0.0135		192.4164	192.4164	0.0113		192.6998
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.1855	1.6300e-003	0.1871	0.0495	1.5000e-003	0.0510		204.9786	204.9786	6.0400e-003		205.1296
Total	**0.0984**	**0.7327**	**0.9027**	**3.8600e-003**	**0.2274**	**3.0200e-003**	**0.2304**	**0.0617**	**2.8300e-003**	**0.0645**		**397.3950**	**397.3950**	**0.0174**		**397.8294**

3.8 P1 Building Modernization - 2022

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0200	0.6463	0.1681	1.7800e-003	0.0448	1.2100e-003	0.0460	0.0129	1.1600e-003	0.0141		190.7401	190.7401	0.0110		191.0138

Worker	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	**0.0922**	**0.6942**	**0.8370**	**3.7600e-003**	**0.2460**	**2.7800e-003**	**0.2488**	**0.0663**	**2.6100e-003**	**0.0689**		**388.5083**	**388.5083**	**0.0164**		**388.9185**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0200	0.6463	0.1681	1.7800e-003	0.0419	1.2100e-003	0.0432	0.0122	1.1600e-003	0.0134		190.7401	190.7401	0.0110		191.0138
Worker	0.0723	0.0479	0.6689	1.9800e-003	0.1855	1.5700e-003	0.1870	0.0495	1.4500e-003	0.0510		197.7682	197.7682	5.4600e-003		197.9047

Total	**0.0922**	**0.6942**	**0.8370**	**3.7600e-003**	**0.2274**	**2.7800e-003**	**0.2302**	**0.0617**	**2.6100e-003**	**0.0643**		**388.5083**	**388.5083**	**0.0164**		**388.9185**

3.9 P1 Architectural Coating-Secondary Bldg - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	30.1768					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**30.3813**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0161	0.0107	0.1486	4.4000e-004	0.0836	3.5000e-004	0.0839	0.0214	3.2000e-004	0.0217		43.9485	43.9485	1.2100e-003		43.9788
Total	**0.0161**	**0.0107**	**0.1486**	**4.4000e-004**	**0.0836**	**3.5000e-004**	**0.0839**	**0.0214**	**3.2000e-004**	**0.0217**		**43.9485**	**43.9485**	**1.2100e-003**		**43.9788**

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	30.1768					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**30.3813**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0161	0.0107	0.1486	4.4000e-004	0.0766	3.5000e-004	0.0769	0.0197	3.2000e-004	0.0200		43.9485	43.9485	1.2100e-003		43.9788
Total	**0.0161**	**0.0107**	**0.1486**	**4.4000e-004**	**0.0766**	**3.5000e-004**	**0.0769**	**0.0197**	**3.2000e-004**	**0.0200**		**43.9485**	**43.9485**	**1.2100e-003**		**43.9788**

3.10 P1 Architectural Coating - Modernization - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.3230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**15.5276**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.0300e-003	5.3200e-003	0.0743	2.2000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		21.9743	21.9743	6.1000e-004		21.9894
Total	**8.0300e-003**	**5.3200e-003**	**0.0743**	**2.2000e-004**	**0.0224**	**1.7000e-004**	**0.0225**	**5.9300e-003**	**1.6000e-004**	**6.0900e-003**		**21.9743**	**21.9743**	**6.1000e-004**		**21.9894**

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	15.3230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**15.5276**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.0300e-003	5.3200e-003	0.0743	2.2000e-004	0.0206	1.7000e-004	0.0208	5.5000e-003	1.6000e-004	5.6600e-003		21.9743	21.9743	6.1000e-004		21.9894
Total	**8.0300e-003**	**5.3200e-003**	**0.0743**	**2.2000e-004**	**0.0206**	**1.7000e-004**	**0.0208**	**5.5000e-003**	**1.6000e-004**	**5.6600e-003**		**21.9743**	**21.9743**	**6.1000e-004**		**21.9894**

3.11 P2 Classroom Bldg Demo - 2022

Unmitigated Construction On-Site

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

Category	lb/day										lb/day					
Fugitive Dust					1.2048	0.0000	1.2048	0.1824	0.0000	0.1824			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	**2.6392**	**25.7194**	**20.5941**	**0.0388**	**1.2048**	**1.2427**	**2.4474**	**0.1824**	**1.1553**	**1.3377**		**3,746.7812**	**3,746.7812**	**1.0524**		**3,773.0920**

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	0.0444	1.3954	0.3486	4.3100e-003	0.0979	4.0100e-003	0.1019	0.0268	3.8300e-003	0.0307		468.4036	468.4036	0.0317		469.1957
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	**0.1047**	**1.4354**	**0.9060**	**5.9600e-003**	**0.2656**	**5.3200e-003**	**0.2709**	**0.0713**	**5.0400e-003**	**0.0764**		**633.2104**	**633.2104**	**0.0362**		**634.1163**

Mitigated Construction On-Site

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

Fugitive Dust					0.5150	0.0000	0.5150	0.0780	0.0000	0.0780			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	**2.6392**	**25.7194**	**20.5941**	**0.0388**	**0.5150**	**1.2427**	**1.7577**	**0.0780**	**1.1553**	**1.2332**	**0.0000**	**3,746.7812**	**3,746.7812**	**1.0524**		**3,773.0920**

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	0.0444	1.3954	0.3486	4.3100e-003	0.0913	4.0100e-003	0.0953	0.0252	3.8300e-003	0.0290		468.4036	468.4036	0.0317		469.1957
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1546	1.3100e-003	0.1559	0.0413	1.2100e-003	0.0425		164.8069	164.8069	4.5500e-003		164.9206
Total	**0.1047**	**1.4354**	**0.9060**	**5.9600e-003**	**0.2458**	**5.3200e-003**	**0.2511**	**0.0665**	**5.0400e-003**	**0.0715**		**633.2104**	**633.2104**	**0.0362**		**634.1163**

3.12 P2 Portables Removal - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3730	4.1843	1.8923	5.7700e-003		0.1737	0.1737		0.1598	0.1598		558.8304	558.8304	0.1807		563.3488

Total	**0.3730**	**4.1843**	**1.8923**	**5.7700e-003**		**0.1737**	**0.1737**		**0.1598**	**0.1598**		**558.8304**	**558.8304**	**0.1807**		**563.3488**

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	0.0413	1.2958	0.3237	4.0000e-003	0.0909	3.7200e-003	0.0947	0.0249	3.5600e-003	0.0285		434.9462	434.9462	0.0294		435.6817
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0121	7.9800e-003	0.1115	3.3000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		32.9614	32.9614	9.1000e-004		32.9841
Total	**0.0533**	**1.3038**	**0.4352**	**4.3300e-003**	**0.1245**	**3.9800e-003**	**0.1285**	**0.0338**	**3.8000e-003**	**0.0376**		**467.9076**	**467.9076**	**0.0303**		**468.6659**

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	0.3730	4.1843	1.8923	5.7700e-003		0.1737	0.1737		0.1598	0.1598	0.0000	558.8304	558.8304	0.1807		563.3488
Total	**0.3730**	**4.1843**	**1.8923**	**5.7700e-003**		**0.1737**	**0.1737**		**0.1598**	**0.1598**	**0.0000**	**558.8304**	**558.8304**	**0.1807**		**563.3488**

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	0.0413	1.2958	0.3237	4.0000e-003	0.0847	3.7200e-003	0.0885	0.0234	3.5600e-003	0.0270		434.9462	434.9462	0.0294		435.6817
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0121	7.9800e-003	0.1115	3.3000e-004	0.0309	2.6000e-004	0.0312	8.2500e-003	2.4000e-004	8.4900e-003		32.9614	32.9614	9.1000e-004		32.9841
Total	**0.0533**	**1.3038**	**0.4352**	**4.3300e-003**	**0.1157**	**3.9800e-003**	**0.1196**	**0.0317**	**3.8000e-003**	**0.0355**		**467.9076**	**467.9076**	**0.0303**		**468.6659**

3.13 P2 Rough Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**6.5523**	**0.9409**	**7.4932**	**3.3675**	**0.8656**	**4.2331**		**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	**0.0602**	**0.0399**	**0.5574**	**1.6500e-003**	**0.1677**	**1.3100e-003**	**0.1690**	**0.0445**	**1.2100e-003**	**0.0457**		**164.8069**	**164.8069**	**4.5500e-003**		**164.9206**

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					2.8011	0.0000	2.8011	1.4396	0.0000	1.4396			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**2.8011**	**0.9409**	**3.7420**	**1.4396**	**0.8656**	**2.3052**	**0.0000**	**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1546	1.3100e-003	0.1559	0.0413	1.2100e-003	0.0425		164.8069	164.8069	4.5500e-003		164.9206
Total	**0.0602**	**0.0399**	**0.5574**	**1.6500e-003**	**0.1546**	**1.3100e-003**	**0.1559**	**0.0413**	**1.2100e-003**	**0.0425**		**164.8069**	**164.8069**	**4.5500e-003**		**164.9206**

3.14 P2 Utility Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3671	3.4526	5.4931	8.2800e-003		0.1760	0.1760		0.1620	0.1620		801.2542	801.2542	0.2591		807.7328
Total	**0.3671**	**3.4526**	**5.4931**	**8.2800e-003**		**0.1760**	**0.1760**		**0.1620**	**0.1620**		**801.2542**	**801.2542**	**0.2591**		**807.7328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0201	0.0133	0.1858	5.5000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		54.9356	54.9356	1.5200e-003		54.9735
Total	**0.0201**	**0.0133**	**0.1858**	**5.5000e-004**	**0.0559**	**4.4000e-004**	**0.0563**	**0.0148**	**4.0000e-004**	**0.0152**		**54.9356**	**54.9356**	**1.5200e-003**		**54.9735**

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	0.3671	3.4526	5.4931	8.2800e-003		0.1760	0.1760		0.1620	0.1620	0.0000	801.2542	801.2542	0.2591		807.7328
Total	**0.3671**	**3.4526**	**5.4931**	**8.2800e-003**		**0.1760**	**0.1760**		**0.1620**	**0.1620**	**0.0000**	**801.2542**	**801.2542**	**0.2591**		**807.7328**

Mitigated Construction Off-Site

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

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0201	0.0133	0.1858	5.5000e-004	0.0515	4.4000e-004	0.0520	0.0138	4.0000e-004	0.0142		54.9356	54.9356	1.5200e-003		54.9735
Total	**0.0201**	**0.0133**	**0.1858**	**5.5000e-004**	**0.0515**	**4.4000e-004**	**0.0520**	**0.0138**	**4.0000e-004**	**0.0142**		**54.9356**	**54.9356**	**1.5200e-003**		**54.9735**

3.15 P2 Fine Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**6.5523**	**0.9409**	**7.4932**	**3.3675**	**0.8656**	**4.2331**		**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	**0.0602**	**0.0399**	**0.5574**	**1.6500e-003**	**0.1677**	**1.3100e-003**	**0.1690**	**0.0445**	**1.2100e-003**	**0.0457**		**164.8069**	**164.8069**	**4.5500e-003**		**164.9206**

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					2.8011	0.0000	2.8011	1.4396	0.0000	1.4396			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**2.8011**	**0.9409**	**3.7420**	**1.4396**	**0.8656**	**2.3052**	**0.0000**	**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

Mitigated Construction Off-Site

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1546	1.3100e-003	0.1559	0.0413	1.2100e-003	0.0425		164.8069	164.8069	4.5500e-003		164.9206
Total	**0.0602**	**0.0399**	**0.5574**	**1.6500e-003**	**0.1546**	**1.3100e-003**	**0.1559**	**0.0413**	**1.2100e-003**	**0.0425**		**164.8069**	**164.8069**	**4.5500e-003**		**164.9206**

3.16 P2 Construct Hardcourts - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	1.5091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.6119**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

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

Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	**0.0602**	**0.0399**	**0.5574**	**1.6500e-003**	**0.1677**	**1.3100e-003**	**0.1690**	**0.0445**	**1.2100e-003**	**0.0457**		**164.8069**	**164.8069**	**4.5500e-003**		**164.9206**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	1.5091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.6119**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1546	1.3100e-003	0.1559	0.0413	1.2100e-003	0.0425		164.8069	164.8069	4.5500e-003		164.9206

Total	**0.0602**	**0.0399**	**0.5574**	**1.6500e-003**	**0.1546**	**1.3100e-003**	**0.1559**	**0.0413**	**1.2100e-003**	**0.0425**		**164.8069**	**164.8069**	**4.5500e-003**		**164.9206**

3.17 P2 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.5052					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**16.7098**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1044	0.0692	0.9662	2.8700e-003	0.2906	2.2700e-003	0.2929	0.0771	2.1000e-003	0.0792		285.6652	285.6652	7.8800e-003		285.8623
Total	**0.1044**	**0.0692**	**0.9662**	**2.8700e-003**	**0.2906**	**2.2700e-003**	**0.2929**	**0.0771**	**2.1000e-003**	**0.0792**		**285.6652**	**285.6652**	**7.8800e-003**		**285.8623**

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	16.5052					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**16.7098**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1044	0.0692	0.9662	2.8700e-003	0.2679	2.2700e-003	0.2702	0.0715	2.1000e-003	0.0736		285.6652	285.6652	7.8800e-003		285.8623
Total	**0.1044**	**0.0692**	**0.9662**	**2.8700e-003**	**0.2679**	**2.2700e-003**	**0.2702**	**0.0715**	**2.1000e-003**	**0.0736**		**285.6652**	**285.6652**	**7.8800e-003**		**285.8623**

3.18 P3 Portables Removal - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466		558.8192	558.8192	0.1807		563.3376
Total	**0.3514**	**3.8155**	**1.8344**	**5.7700e-003**		**0.1593**	**0.1593**		**0.1466**	**0.1466**		**558.8192**	**558.8192**	**0.1807**		**563.3376**

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	0.0208	0.6576	0.2273	2.9400e-003	0.0700	1.1900e-003	0.0711	0.0192	1.1400e-003	0.0203		320.6259	320.6259	0.0211		321.1525
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0113	7.2200e-003	0.1027	3.2000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.3000e-004	9.1300e-003		31.7545	31.7545	8.2000e-004		31.7750
Total	**0.0321**	**0.6648**	**0.3300**	**3.2600e-003**	**0.1035**	**1.4500e-003**	**0.1049**	**0.0281**	**1.3700e-003**	**0.0294**		**352.3804**	**352.3804**	**0.0219**		**352.9275**

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	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	**0.3514**	**3.8155**	**1.8344**	**5.7700e-003**		**0.1593**	**0.1593**		**0.1466**	**0.1466**	**0.0000**	**558.8192**	**558.8192**	**0.1807**		**563.3376**

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	0.0208	0.6576	0.2273	2.9400e-003	0.0652	1.1900e-003	0.0664	0.0180	1.1400e-003	0.0192		320.6259	320.6259	0.0211		321.1525
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0113	7.2200e-003	0.1027	3.2000e-004	0.0309	2.6000e-004	0.0312	8.2500e-003	2.3000e-004	8.4800e-003		31.7545	31.7545	8.2000e-004		31.7750
Total	**0.0321**	**0.6648**	**0.3300**	**3.2600e-003**	**0.0961**	**1.4500e-003**	**0.0975**	**0.0263**	**1.3700e-003**	**0.0276**		**352.3804**	**352.3804**	**0.0219**		**352.9275**

3.19 P3 Tennis Courts Demolition - 2023

Unmitigated Construction On-Site

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

Category	lb/day										lb/day					
Fugitive Dust					1.9259	0.0000	1.9259	0.2916	0.0000	0.2916			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**1.9259**	**0.9975**	**2.9234**	**0.2916**	**0.9280**	**1.2196**		**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

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	0.0466	1.4709	0.5085	6.5900e-003	0.1565	2.6700e-003	0.1591	0.0429	2.5500e-003	0.0454		717.1896	717.1896	0.0471		718.3675
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	**0.1031**	**1.5070**	**1.0218**	**8.1800e-003**	**0.3241**	**3.9500e-003**	**0.3281**	**0.0874**	**3.7200e-003**	**0.0911**		**875.9619**	**875.9619**	**0.0512**		**877.2424**

Mitigated Construction On-Site

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

Fugitive Dust					0.8233	0.0000	0.8233	0.1247	0.0000	0.1247			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**0.8233**	**0.9975**	**1.8209**	**0.1247**	**0.9280**	**1.0527**	**0.0000**	**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

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	0.0466	1.4709	0.5085	6.5900e-003	0.1458	2.6700e-003	0.1485	0.0403	2.5500e-003	0.0428		717.1896	717.1896	0.0471		718.3675
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1546	1.2800e-003	0.1558	0.0413	1.1700e-003	0.0424		158.7723	158.7723	4.1000e-003		158.8748
Total	**0.1031**	**1.5070**	**1.0218**	**8.1800e-003**	**0.3004**	**3.9500e-003**	**0.3043**	**0.0815**	**3.7200e-003**	**0.0853**		**875.9619**	**875.9619**	**0.0512**		**877.2424**

3.20 P3 Rough Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000

Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**6.5523**	**0.7749**	**7.3273**	**3.3675**	**0.7129**	**4.0804**		**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	**0.0566**	**0.0361**	**0.5133**	**1.5900e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**158.7723**	**158.7723**	**4.1000e-003**		**158.8748**

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					2.8011	0.0000	2.8011	1.4396	0.0000	1.4396			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182

Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**2.8011**	**0.7749**	**3.5760**	**1.4396**	**0.7129**	**2.1525**	**0.0000**	**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1546	1.2800e-003	0.1558	0.0413	1.1700e-003	0.0424		158.7723	158.7723	4.1000e-003		158.8748
Total	**0.0566**	**0.0361**	**0.5133**	**1.5900e-003**	**0.1546**	**1.2800e-003**	**0.1558**	**0.0413**	**1.1700e-003**	**0.0424**		**158.7723**	**158.7723**	**4.1000e-003**		**158.8748**

3.21 P3 Utility Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5552	5.1239	7.5220	0.0177		0.2177	0.2177		0.2002	0.2002		1,717.0854	1,717.0854	0.5553		1,730.9689
Total	**0.5552**	**5.1239**	**7.5220**	**0.0177**		**0.2177**	**0.2177**		**0.2002**	**0.2002**		**1,717.0854**	**1,717.0854**	**0.5553**		**1,730.9689**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0302	0.0193	0.2738	8.5000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		84.6786	84.6786	2.1900e-003		84.7332
Total	**0.0302**	**0.0193**	**0.2738**	**8.5000e-004**	**0.0894**	**6.8000e-004**	**0.0901**	**0.0237**	**6.3000e-004**	**0.0243**		**84.6786**	**84.6786**	**2.1900e-003**		**84.7332**

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	0.5552	5.1239	7.5220	0.0177		0.2177	0.2177		0.2002	0.2002	0.0000	1,717.0854	1,717.0854	0.5553		1,730.9689
Total	**0.5552**	**5.1239**	**7.5220**	**0.0177**		**0.2177**	**0.2177**		**0.2002**	**0.2002**	**0.0000**	**1,717.0854**	**1,717.0854**	**0.5553**		**1,730.9689**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0302	0.0193	0.2738	8.5000e-004	0.0824	6.8000e-004	0.0831	0.0220	6.3000e-004	0.0226		84.6786	84.6786	2.1900e-003		84.7332
Total	**0.0302**	**0.0193**	**0.2738**	**8.5000e-004**	**0.0824**	**6.8000e-004**	**0.0831**	**0.0220**	**6.3000e-004**	**0.0226**		**84.6786**	**84.6786**	**2.1900e-003**		**84.7332**

3.22 P3 Fine Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**6.5523**	**0.7749**	**7.3273**	**3.3675**	**0.7129**	**4.0804**		**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	**0.0566**	**0.0361**	**0.5133**	**1.5900e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**158.7723**	**158.7723**	**4.1000e-003**		**158.8748**

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					2.8011	0.0000	2.8011	1.4396	0.0000	1.4396			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**2.8011**	**0.7749**	**3.5760**	**1.4396**	**0.7129**	**2.1525**	**0.0000**	**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

Mitigated Construction Off-Site

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

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1546	1.2800e-003	0.1558	0.0413	1.1700e-003	0.0424		158.7723	158.7723	4.1000e-003		158.8748
Total	**0.0566**	**0.0361**	**0.5133**	**1.5900e-003**	**0.1546**	**1.2800e-003**	**0.1558**	**0.0413**	**1.1700e-003**	**0.0424**		**158.7723**	**158.7723**	**4.1000e-003**		**158.8748**

3.23 P3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0127	0.4203	0.1301	1.4800e-003	0.0384	4.9000e-004	0.0389	0.0111	4.6000e-004	0.0115		158.3445	158.3445	8.3100e-003		158.5523
Worker	0.0603	0.0385	0.5475	1.7000e-003	0.1788	1.3600e-003	0.1802	0.0474	1.2500e-003	0.0487		169.3571	169.3571	4.3700e-003		169.4665
Total	**0.0730**	**0.4589**	**0.6777**	**3.1800e-003**	**0.2173**	**1.8500e-003**	**0.2191**	**0.0585**	**1.7100e-003**	**0.0602**		**327.7016**	**327.7016**	**0.0127**		**328.0188**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

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

Vendor	0.0127	0.4203	0.1301	1.4800e-003	0.0360	4.9000e-004	0.0364	0.0105	4.6000e-004	0.0109		158.3445	158.3445	8.3100e-003		158.5523
Worker	0.0603	0.0385	0.5475	1.7000e-003	0.1649	1.3600e-003	0.1662	0.0440	1.2500e-003	0.0453		169.3571	169.3571	4.3700e-003		169.4665
Total	**0.0730**	**0.4589**	**0.6777**	**3.1800e-003**	**0.2008**	**1.8500e-003**	**0.2027**	**0.0545**	**1.7100e-003**	**0.0562**		**327.7016**	**327.7016**	**0.0127**		**328.0188**

3.23 P3 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
Total	**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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0124	0.4187	0.1262	1.4700e-003	0.0384	4.8000e-004	0.0389	0.0111	4.6000e-004	0.0115		157.7019	157.7019	8.2000e-003		157.9068

Worker	0.0571	0.0351	0.5104	1.6500e-003	0.1788	1.3400e-003	0.1802	0.0474	1.2300e-003	0.0487		164.1085	164.1085	4.0100e-003		164.2089
Total	**0.0695**	**0.4539**	**0.6366**	**3.1200e-003**	**0.2173**	**1.8200e-003**	**0.2191**	**0.0585**	**1.6900e-003**	**0.0602**		**321.8104**	**321.8104**	**0.0122**		**322.1156**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0124	0.4187	0.1262	1.4700e-003	0.0360	4.8000e-004	0.0364	0.0105	4.6000e-004	0.0109		157.7019	157.7019	8.2000e-003		157.9068
Worker	0.0571	0.0351	0.5104	1.6500e-003	0.1649	1.3400e-003	0.1662	0.0440	1.2300e-003	0.0452		164.1085	164.1085	4.0100e-003		164.2089

Total	**0.0695**	**0.4539**	**0.6366**	**3.1200e-003**	**0.2008**	**1.8200e-003**	**0.2026**	**0.0545**	**1.6900e-003**	**0.0561**		**321.8104**	**321.8104**	**0.0122**		**322.1156**

3.24 P3 Building Modernization - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.4700e-003	0.2802	0.0868	9.9000e-004	0.0256	3.2000e-004	0.0259	7.3700e-003	3.1000e-004	7.6800e-003		105.5630	105.5630	5.5400e-003		105.7015
Worker	0.0339	0.0217	0.3080	9.6000e-004	0.1006	7.7000e-004	0.1014	0.0267	7.0000e-004	0.0274		95.2634	95.2634	2.4600e-003		95.3249
Total	**0.0424**	**0.3019**	**0.3947**	**1.9500e-003**	**0.1262**	**1.0900e-003**	**0.1273**	**0.0341**	**1.0100e-003**	**0.0351**		**200.8264**	**200.8264**	**8.0000e-003**		**201.0264**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.4700e-003	0.2802	0.0868	9.9000e-004	0.0240	3.2000e-004	0.0243	6.9700e-003	3.1000e-004	7.2800e-003		105.5630	105.5630	5.5400e-003		105.7015
Worker	0.0339	0.0217	0.3080	9.6000e-004	0.0927	7.7000e-004	0.0935	0.0248	7.0000e-004	0.0255		95.2634	95.2634	2.4600e-003		95.3249
Total	**0.0424**	**0.3019**	**0.3947**	**1.9500e-003**	**0.1167**	**1.0900e-003**	**0.1178**	**0.0317**	**1.0100e-003**	**0.0327**		**200.8264**	**200.8264**	**8.0000e-003**		**201.0264**

3.24 P3 Building Modernization - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.2600e-003	0.2792	0.0841	9.8000e-004	0.0256	3.2000e-004	0.0259	7.3700e-003	3.1000e-004	7.6800e-003		105.1346	105.1346	5.4600e-003		105.2712
Worker	0.0321	0.0198	0.2871	9.3000e-004	0.1006	7.5000e-004	0.1014	0.0267	6.9000e-004	0.0274		92.3110	92.3110	2.2600e-003		92.3675
Total	**0.0404**	**0.2989**	**0.3712**	**1.9100e-003**	**0.1262**	**1.0700e-003**	**0.1273**	**0.0341**	**1.0000e-003**	**0.0351**		**197.4456**	**197.4456**	**7.7200e-003**		**197.6387**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.2600e-003	0.2792	0.0841	9.8000e-004	0.0240	3.2000e-004	0.0243	6.9700e-003	3.1000e-004	7.2800e-003		105.1346	105.1346	5.4600e-003		105.2712
Worker	0.0321	0.0198	0.2871	9.3000e-004	0.0927	7.5000e-004	0.0935	0.0248	6.9000e-004	0.0254		92.3110	92.3110	2.2600e-003		92.3675
Total	**0.0404**	**0.2989**	**0.3712**	**1.9100e-003**	**0.1167**	**1.0700e-003**	**0.1178**	**0.0317**	**1.0000e-003**	**0.0327**		**197.4456**	**197.4456**	**7.7200e-003**		**197.6387**

3.25 P3 Parking Lot - 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		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	1.5091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.4973**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0535	0.0329	0.4785	1.5400e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		153.8517	153.8517	3.7600e-003		153.9458
Total	**0.0535**	**0.0329**	**0.4785**	**1.5400e-003**	**0.1677**	**1.2600e-003**	**0.1689**	**0.0445**	**1.1600e-003**	**0.0456**		**153.8517**	**153.8517**	**3.7600e-003**		**153.9458**

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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	1.5091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.4973**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0535	0.0329	0.4785	1.5400e-003	0.1546	1.2600e-003	0.1558	0.0413	1.1600e-003	0.0424		153.8517	153.8517	3.7600e-003		153.9458
Total	**0.0535**	**0.0329**	**0.4785**	**1.5400e-003**	**0.1546**	**1.2600e-003**	**0.1558**	**0.0413**	**1.1600e-003**	**0.0424**		**153.8517**	**153.8517**	**3.7600e-003**		**153.9458**

3.26 P3 Pave ES Play Area - 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		2,207.5472	2,207.5472	0.7140		2,225.3963

Paving	1.5091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.4973**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0535	0.0329	0.4785	1.5400e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		153.8517	153.8517	3.7600e-003		153.9458
Total	**0.0535**	**0.0329**	**0.4785**	**1.5400e-003**	**0.1677**	**1.2600e-003**	**0.1689**	**0.0445**	**1.1600e-003**	**0.0456**		**153.8517**	**153.8517**	**3.7600e-003**		**153.9458**

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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	1.5091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	**2.4973**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0535	0.0329	0.4785	1.5400e-003	0.1546	1.2600e-003	0.1558	0.0413	1.1600e-003	0.0424		153.8517	153.8517	3.7600e-003		153.9458
Total	**0.0535**	**0.0329**	**0.4785**	**1.5400e-003**	**0.1546**	**1.2600e-003**	**0.1558**	**0.0413**	**1.1600e-003**	**0.0424**		**153.8517**	**153.8517**	**3.7600e-003**		**153.9458**

3.27 P3 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	23.0888					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
Total	**23.2696**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0107	6.5900e-003	0.0957	3.1000e-004	0.0335	2.5000e-004	0.0338	8.8900e-003	2.3000e-004	9.1200e-003		30.7704	30.7704	7.5000e-004		30.7892
Total	**0.0107**	**6.5900e-003**	**0.0957**	**3.1000e-004**	**0.0335**	**2.5000e-004**	**0.0338**	**8.8900e-003**	**2.3000e-004**	**9.1200e-003**		**30.7704**	**30.7704**	**7.5000e-004**		**30.7892**

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	23.0888					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	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**23.2696**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0107	6.5900e-003	0.0957	3.1000e-004	0.0309	2.5000e-004	0.0312	8.2500e-003	2.3000e-004	8.4800e-003		30.7704	30.7704	7.5000e-004		30.7892
Total	**0.0107**	**6.5900e-003**	**0.0957**	**3.1000e-004**	**0.0309**	**2.5000e-004**	**0.0312**	**8.2500e-003**	**2.3000e-004**	**8.4800e-003**		**30.7704**	**30.7704**	**7.5000e-004**		**30.7892**

3.28 P4 Secondary Area Demolition - 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					1.6438	0.0000	1.6438	0.2489	0.0000	0.2489			0.0000			0.0000
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
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**	**1.6438**	**0.9602**	**2.6040**	**0.2489**	**0.8922**	**1.1411**		**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

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	0.0399	1.2465	0.4388	5.5900e-003	0.1335	2.2500e-003	0.1358	0.0366	2.1600e-003	0.0388		609.3200	609.3200	0.0402		610.3254
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0535	0.0329	0.4785	1.5400e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		153.8517	153.8517	3.7600e-003		153.9458
Total	**0.0934**	**1.2794**	**0.9173**	**7.1300e-003**	**0.3012**	**3.5100e-003**	**0.3047**	**0.0811**	**3.3200e-003**	**0.0844**		**763.1717**	**763.1717**	**0.0440**		**764.2712**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7027	0.0000	0.7027	0.1064	0.0000	0.1064			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**	**0.7027**	**0.9602**	**1.6629**	**0.1064**	**0.8922**	**0.9986**	**0.0000**	**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

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	0.0399	1.2465	0.4388	5.5900e-003	0.1245	2.2500e-003	0.1267	0.0344	2.1600e-003	0.0365		609.3200	609.3200	0.0402		610.3254
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0535	0.0329	0.4785	1.5400e-003	0.1546	1.2600e-003	0.1558	0.0413	1.1600e-003	0.0424		153.8517	153.8517	3.7600e-003		153.9458
Total	**0.0934**	**1.2794**	**0.9173**	**7.1300e-003**	**0.2790**	**3.5100e-003**	**0.2825**	**0.0756**	**3.3200e-003**	**0.0789**		**763.1717**	**763.1717**	**0.0440**		**764.2712**

3.29 P4 Rough 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					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.6617	17.0310	14.7594	0.0297		0.7244	0.7244		0.6665	0.6665		2,873.0541	2,873.0541	0.9292		2,896.2842
Total	**1.6617**	**17.0310**	**14.7594**	**0.0297**	**6.5523**	**0.7244**	**7.2768**	**3.3675**	**0.6665**	**4.0340**		**2,873.0541**	**2,873.0541**	**0.9292**		**2,896.2842**

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0535	0.0329	0.4785	1.5400e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		153.8517	153.8517	3.7600e-003		153.9458
Total	**0.0535**	**0.0329**	**0.4785**	**1.5400e-003**	**0.1677**	**1.2600e-003**	**0.1689**	**0.0445**	**1.1600e-003**	**0.0456**		**153.8517**	**153.8517**	**3.7600e-003**		**153.9458**

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					2.8011	0.0000	2.8011	1.4396	0.0000	1.4396			0.0000			0.0000
Off-Road	1.6617	17.0310	14.7594	0.0297		0.7244	0.7244		0.6665	0.6665	0.0000	2,873.0541	2,873.0541	0.9292		2,896.2842
Total	**1.6617**	**17.0310**	**14.7594**	**0.0297**	**2.8011**	**0.7244**	**3.5255**	**1.4396**	**0.6665**	**2.1061**	**0.0000**	**2,873.0541**	**2,873.0541**	**0.9292**		**2,896.2842**

Mitigated Construction Off-Site

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0535	0.0329	0.4785	1.5400e-003	0.1546	1.2600e-003	0.1558	0.0413	1.1600e-003	0.0424		153.8517	153.8517	3.7600e-003		153.9458
Total	**0.0535**	**0.0329**	**0.4785**	**1.5400e-003**	**0.1546**	**1.2600e-003**	**0.1558**	**0.0413**	**1.1600e-003**	**0.0424**		**153.8517**	**153.8517**	**3.7600e-003**		**153.9458**

3.30 P4 Repaving - 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		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	3.0182					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.0064**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Unmitigated Construction Off-Site

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

Worker	0.0535	0.0329	0.4785	1.5400e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		153.8517	153.8517	3.7600e-003		153.9458
Total	**0.0535**	**0.0329**	**0.4785**	**1.5400e-003**	**0.1677**	**1.2600e-003**	**0.1689**	**0.0445**	**1.1600e-003**	**0.0456**		**153.8517**	**153.8517**	**3.7600e-003**		**153.9458**

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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	3.0182					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.0064**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0535	0.0329	0.4785	1.5400e-003	0.1546	1.2600e-003	0.1558	0.0413	1.1600e-003	0.0424		153.8517	153.8517	3.7600e-003		153.9458

Total	**0.0535**	**0.0329**	**0.4785**	**1.5400e-003**	**0.1546**	**1.2600e-003**	**0.1558**	**0.0413**	**1.1600e-003**	**0.0424**		**153.8517**	**153.8517**	**3.7600e-003**		**153.9458**

3.31 P4 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	1.6821	15.3448	18.2052	0.0364		0.6760	0.6760		0.6345	0.6345		3,473.0622	3,473.0622	0.9010		3,495.5883
Total	**1.6821**	**15.3448**	**18.2052**	**0.0364**		**0.6760**	**0.6760**		**0.6345**	**0.6345**		**3,473.0622**	**3,473.0622**	**0.9010**		**3,495.5883**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.0700e-003	0.0698	0.0210	2.5000e-004	6.4000e-003	8.0000e-005	6.4800e-003	1.8400e-003	8.0000e-005	1.9200e-003		26.2836	26.2836	1.3700e-003		26.3178
Worker	0.0107	6.5900e-003	0.0957	3.1000e-004	0.0335	2.5000e-004	0.0338	8.8900e-003	2.3000e-004	9.1200e-003		30.7704	30.7704	7.5000e-004		30.7892
Total	**0.0128**	**0.0764**	**0.1167**	**5.6000e-004**	**0.0399**	**3.3000e-004**	**0.0403**	**0.0107**	**3.1000e-004**	**0.0110**		**57.0540**	**57.0540**	**2.1200e-003**		**57.1070**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6821	15.3448	18.2052	0.0364		0.6760	0.6760		0.6345	0.6345	0.0000	3,473.0622	3,473.0622	0.9010		3,495.5883
Total	**1.6821**	**15.3448**	**18.2052**	**0.0364**		**0.6760**	**0.6760**		**0.6345**	**0.6345**	**0.0000**	**3,473.0622**	**3,473.0622**	**0.9010**		**3,495.5883**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.0700e-003	0.0698	0.0210	2.5000e-004	5.9900e-003	8.0000e-005	6.0700e-003	1.7400e-003	8.0000e-005	1.8200e-003		26.2836	26.2836	1.3700e-003		26.3178
Worker	0.0107	6.5900e-003	0.0957	3.1000e-004	0.0309	2.5000e-004	0.0312	8.2500e-003	2.3000e-004	8.4800e-003		30.7704	30.7704	7.5000e-004		30.7892
Total	**0.0128**	**0.0764**	**0.1167**	**5.6000e-004**	**0.0369**	**3.3000e-004**	**0.0372**	**9.9900e-003**	**3.1000e-004**	**0.0103**		**57.0540**	**57.0540**	**2.1200e-003**		**57.1070**

3.32 P4 Building Modernization - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0331	1.1166	0.3364	3.9200e-003	0.1024	1.2800e-003	0.1037	0.0295	1.2200e-003	0.0307		420.5383	420.5383	0.0219		421.0847
Worker	0.1427	0.0878	1.2761	4.1200e-003	0.4471	3.3500e-003	0.4505	0.1186	3.0900e-003	0.1217		410.2713	410.2713	0.0100		410.5222
Total	**0.1757**	**1.2045**	**1.6125**	**8.0400e-003**	**0.5496**	**4.6300e-003**	**0.5542**	**0.1481**	**4.3100e-003**	**0.1524**		**830.8096**	**830.8096**	**0.0319**		**831.6068**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0331	1.1166	0.3364	3.9200e-003	0.0959	1.2800e-003	0.0972	0.0279	1.2200e-003	0.0291		420.5383	420.5383	0.0219		421.0847
Worker	0.1427	0.0878	1.2761	4.1200e-003	0.4121	3.3500e-003	0.4155	0.1100	3.0900e-003	0.1131		410.2713	410.2713	0.0100		410.5222
Total	**0.1757**	**1.2045**	**1.6125**	**8.0400e-003**	**0.5080**	**4.6300e-003**	**0.5126**	**0.1379**	**4.3100e-003**	**0.1422**		**830.8096**	**830.8096**	**0.0319**		**831.6068**

3.33 P4 Modernization 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	8.2079					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
Total	**8.3887**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0285	0.0176	0.2552	8.2000e-004	0.0894	6.7000e-004	0.0901	0.0237	6.2000e-004	0.0243		82.0543	82.0543	2.0100e-003		82.1044
Total	**0.0285**	**0.0176**	**0.2552**	**8.2000e-004**	**0.0894**	**6.7000e-004**	**0.0901**	**0.0237**	**6.2000e-004**	**0.0243**		**82.0543**	**82.0543**	**2.0100e-003**		**82.1044**

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	8.2079					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	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**8.3887**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0285	0.0176	0.2552	8.2000e-004	0.0824	6.7000e-004	0.0831	0.0220	6.2000e-004	0.0226		82.0543	82.0543	2.0100e-003		82.1044
Total	**0.0285**	**0.0176**	**0.2552**	**8.2000e-004**	**0.0824**	**6.7000e-004**	**0.0831**	**0.0220**	**6.2000e-004**	**0.0226**		**82.0543**	**82.0543**	**2.0100e-003**		**82.1044**

3.34 P4 Pave Kindergarten Area - 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		2,207.5472	2,207.5472	0.7140		2,225.3963

Paving	3.0182					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.0064**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0535	0.0329	0.4785	1.5400e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		153.8517	153.8517	3.7600e-003		153.9458
Total	**0.0535**	**0.0329**	**0.4785**	**1.5400e-003**	**0.1677**	**1.2600e-003**	**0.1689**	**0.0445**	**1.1600e-003**	**0.0456**		**153.8517**	**153.8517**	**3.7600e-003**		**153.9458**

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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	3.0182					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	**4.0064**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0535	0.0329	0.4785	1.5400e-003	0.1546	1.2600e-003	0.1558	0.0413	1.1600e-003	0.0424		153.8517	153.8517	3.7600e-003		153.9458
Total	**0.0535**	**0.0329**	**0.4785**	**1.5400e-003**	**0.1546**	**1.2600e-003**	**0.1558**	**0.0413**	**1.1600e-003**	**0.0424**		**153.8517**	**153.8517**	**3.7600e-003**		**153.9458**

3.35 P4 Kindergarten Architectual 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	10.8682					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
Total	**11.0489**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.5700e-003	2.2000e-003	0.0319	1.0000e-004	0.0112	8.0000e-005	0.0113	2.9600e-003	8.0000e-005	3.0400e-003		10.2568	10.2568	2.5000e-004		10.2631
Total	**3.5700e-003**	**2.2000e-003**	**0.0319**	**1.0000e-004**	**0.0112**	**8.0000e-005**	**0.0113**	**2.9600e-003**	**8.0000e-005**	**3.0400e-003**		**10.2568**	**10.2568**	**2.5000e-004**		**10.2631**

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	10.8682					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	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**11.0489**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.5700e-003	2.2000e-003	0.0319	1.0000e-004	0.0103	8.0000e-005	0.0104	2.7500e-003	8.0000e-005	2.8300e-003		10.2568	10.2568	2.5000e-004		10.2631
Total	**3.5700e-003**	**2.2000e-003**	**0.0319**	**1.0000e-004**	**0.0103**	**8.0000e-005**	**0.0104**	**2.7500e-003**	**8.0000e-005**	**2.8300e-003**		**10.2568**	**10.2568**	**2.5000e-004**		**10.2631**

3.36 P4 Remove Interim Portables - 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	0.3318	3.5043	1.7747	5.7700e-003		0.1458	0.1458		0.1341	0.1341		558.8073	558.8073	0.1807		563.3256
Total	**0.3318**	**3.5043**	**1.7747**	**5.7700e-003**		**0.1458**	**0.1458**		**0.1341**	**0.1341**		**558.8073**	**558.8073**	**0.1807**		**563.3256**

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	0.0313	0.9794	0.3448	4.3900e-003	0.1389	1.7700e-003	0.1407	0.0371	1.6900e-003	0.0388		478.7514	478.7514	0.0316		479.5414
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0107	6.5900e-003	0.0957	3.1000e-004	0.0335	2.5000e-004	0.0338	8.8900e-003	2.3000e-004	9.1200e-003		30.7704	30.7704	7.5000e-004		30.7892
Total	**0.0420**	**0.9860**	**0.4405**	**4.7000e-003**	**0.1725**	**2.0200e-003**	**0.1745**	**0.0460**	**1.9200e-003**	**0.0479**		**509.5218**	**509.5218**	**0.0324**		**510.3305**

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	0.3318	3.5043	1.7747	5.7700e-003		0.1458	0.1458		0.1341	0.1341	0.0000	558.8073	558.8073	0.1807		563.3256
Total	**0.3318**	**3.5043**	**1.7747**	**5.7700e-003**		**0.1458**	**0.1458**		**0.1341**	**0.1341**	**0.0000**	**558.8073**	**558.8073**	**0.1807**		**563.3256**

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	0.0313	0.9794	0.3448	4.3900e-003	0.1287	1.7700e-003	0.1305	0.0346	1.6900e-003	0.0363		478.7514	478.7514	0.0316		479.5414
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0107	6.5900e-003	0.0957	3.1000e-004	0.0309	2.5000e-004	0.0312	8.2500e-003	2.3000e-004	8.4800e-003		30.7704	30.7704	7.5000e-004		30.7892
Total	**0.0420**	**0.9860**	**0.4405**	**4.7000e-003**	**0.1596**	**2.0200e-003**	**0.1617**	**0.0429**	**1.9200e-003**	**0.0448**		**509.5218**	**509.5218**	**0.0324**		**510.3305**

3.36 P4 Remove Interim Portables - 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	0.3128	3.1679	1.7365	5.7700e-003		0.1347	0.1347		0.1239	0.1239		558.8262	558.8262	0.1807		563.3446
Total	**0.3128**	**3.1679**	**1.7365**	**5.7700e-003**		**0.1347**	**0.1347**		**0.1239**	**0.1239**		**558.8262**	**558.8262**	**0.1807**		**563.3446**

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	0.0312	0.9656	0.3473	4.3600e-003	0.2900	1.7500e-003	0.2918	0.0742	1.6700e-003	0.0759		476.0744	476.0744	0.0316		476.8638
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0102	6.0300e-003	0.0889	3.0000e-004	0.0335	2.5000e-004	0.0338	8.8900e-003	2.3000e-004	9.1200e-003		29.5781	29.5781	6.9000e-004		29.5952
Total	**0.0413**	**0.9716**	**0.4362**	**4.6600e-003**	**0.3236**	**2.0000e-003**	**0.3256**	**0.0831**	**1.9000e-003**	**0.0850**		**505.6525**	**505.6525**	**0.0323**		**506.4590**

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	0.3128	3.1679	1.7365	5.7700e-003		0.1347	0.1347		0.1239	0.1239	0.0000	558.8262	558.8262	0.1807		563.3446
Total	**0.3128**	**3.1679**	**1.7365**	**5.7700e-003**		**0.1347**	**0.1347**		**0.1239**	**0.1239**	**0.0000**	**558.8262**	**558.8262**	**0.1807**		**563.3446**

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	0.0312	0.9656	0.3473	4.3600e-003	0.2662	1.7500e-003	0.2680	0.0684	1.6700e-003	0.0700		476.0744	476.0744	0.0316		476.8638

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0102	6.0300e-003	0.0889	3.0000e-004	0.0309	2.5000e-004	0.0312	8.2500e-003	2.3000e-004	8.4800e-003		29.5781	29.5781	6.9000e-004		29.5952
Total	**0.0413**	**0.9716**	**0.4362**	**4.6600e-003**	**0.2971**	**2.0000e-003**	**0.2991**	**0.0766**	**1.9000e-003**	**0.0785**		**505.6525**	**505.6525**	**0.0323**		**506.4590**

3.37 P5 Asphalt 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		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	1.5091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.4243**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Unmitigated Construction Off-Site

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

Worker	0.0508	0.0301	0.4445	1.4800e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1300e-003	0.0456		147.8903	147.8903	3.4300e-003		147.9761
Total	**0.0508**	**0.0301**	**0.4445**	**1.4800e-003**	**0.1677**	**1.2300e-003**	**0.1689**	**0.0445**	**1.1300e-003**	**0.0456**		**147.8903**	**147.8903**	**3.4300e-003**		**147.9761**

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	1.5091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.4243**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0508	0.0301	0.4445	1.4800e-003	0.1546	1.2300e-003	0.1558	0.0413	1.1300e-003	0.0424		147.8903	147.8903	3.4300e-003		147.9761

Total	**0.0508**	**0.0301**	**0.4445**	**1.4800e-003**	**0.1546**	**1.2300e-003**	**0.1558**	**0.0413**	**1.1300e-003**	**0.0424**		**147.8903**	**147.8903**	**3.4300e-003**		**147.9761**

3.38 P5 Finishing/Landscaping - 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	0.3732	3.2784	7.1851	0.0113		0.1465	0.1465		0.1348	0.1348		1,095.1302	1,095.1302	0.3542		1,103.9849
Total	**0.3732**	**3.2784**	**7.1851**	**0.0113**		**0.1465**	**0.1465**		**0.1348**	**0.1348**		**1,095.1302**	**1,095.1302**	**0.3542**		**1,103.9849**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0271	0.0161	0.2370	7.9000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.0000e-004	0.0243		78.8748	78.8748	1.8300e-003		78.9206
Total	**0.0271**	**0.0161**	**0.2370**	**7.9000e-004**	**0.0894**	**6.6000e-004**	**0.0901**	**0.0237**	**6.0000e-004**	**0.0243**		**78.8748**	**78.8748**	**1.8300e-003**		**78.9206**

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	0.3732	3.2784	7.1851	0.0113		0.1465	0.1465		0.1348	0.1348	0.0000	1,095.1302	1,095.1302	0.3542		1,103.9849
Total	**0.3732**	**3.2784**	**7.1851**	**0.0113**		**0.1465**	**0.1465**		**0.1348**	**0.1348**	**0.0000**	**1,095.1302**	**1,095.1302**	**0.3542**		**1,103.9849**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0271	0.0161	0.2370	7.9000e-004	0.0824	6.6000e-004	0.0831	0.0220	6.0000e-004	0.0226		78.8748	78.8748	1.8300e-003		78.9206
Total	**0.0271**	**0.0161**	**0.2370**	**7.9000e-004**	**0.0824**	**6.6000e-004**	**0.0831**	**0.0220**	**6.0000e-004**	**0.0226**		**78.8748**	**78.8748**	**1.8300e-003**		**78.9206**

Construction - Los Angeles-South Coast County, Winter

Construction

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	86.89	1000sqft	3.00	86,885.00	0
Other Asphalt Surfaces	4.89	Acre	5.50	212,985.00	0
Parking Lot	0.26	Acre	0.26	11,235.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on the project description.

Construction Phase - Based on project description

Off-road Equipment - .

Off-road Equipment -
Off-road Equipment -
Off-road Equipment - .
Off-road Equipment - No additional off-road equipment assumed.
Off-road Equipment - .
Off-road Equipment -
Off-road Equipment -
Off-road Equipment -
Off-road Equipment - Assumed.
Off-road Equipment -
Off-road Equipment -
Off-road Equipment -
Off-road Equipment -
Off-road Equipment - .
Off-road Equipment -
Off-road Equipment - Assumed
Off-road Equipment -
Off-road Equipment -
Off-road Equipment - Assumes no additional off-road equipment
Off-road Equipment -
Off-road Equipment -
Off-road Equipment -
Off-road Equipment - Assumed
Off-road Equipment -
Off-road Equipment -
Off-road Equipment - Assumed
Off-road Equipment -

Off-road Equipment - Assumes no additional off-road equipment.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Assumed

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Assumed based on comparble project.

Trips and VMT - See assumptions for for details.

Demolition -

Architectural Coating - See assumptions file in the AQ/GHG appendix for details.

Vehicle Trips - .

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,443.00	20,834.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,443.00	10,579.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,443.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,443.00	18,559.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,443.00	47,813.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,443.00	4,050.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	130,328.00	62,502.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	130,328.00	31,737.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	130,328.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	130,328.00	55,676.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	130,328.00	0.00

tblArchitecturalCoating	ConstArea_Nonresidential_Interior	130,328.00	12,150.00
tblArchitecturalCoating	ConstArea_Parking	13,453.00	0.00
tblArchitecturalCoating	ConstArea_Parking	13,453.00	0.00
tblArchitecturalCoating	ConstArea_Parking	13,453.00	3,561.00
tblArchitecturalCoating	ConstArea_Parking	13,453.00	3,417.00
tblArchitecturalCoating	ConstArea_Parking	13,453.00	0.00
tblArchitecturalCoating	ConstArea_Parking	13,453.00	1,599.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	27.00
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tblConstructionPhase	NumDays	20.00	8.00
tblConstructionPhase	NumDays	230.00	213.00
tblConstructionPhase	NumDays	230.00	213.00
tblConstructionPhase	NumDays	230.00	107.00
tblConstructionPhase	NumDays	230.00	107.00
tblConstructionPhase	NumDays	230.00	159.00
tblConstructionPhase	NumDays	230.00	159.00

tblConstructionPhase	NumDays	20.00	19.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	16.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	10.00	2.00
tblLandUse	LandUseSquareFeet	86,890.00	86,885.00
tblLandUse	LandUseSquareFeet	213,008.40	212,985.00
tblLandUse	LandUseSquareFeet	11,325.60	11,235.00
tblLandUse	LotAcreage	1.99	3.00
tblLandUse	LotAcreage	4.89	5.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	HaulingTripNumber	111.00	112.00
tblTripsAndVMT	HaulingTripNumber	0.00	52.00
tblTripsAndVMT	HaulingTripNumber	0.00	12.00
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tblTripsAndVMT	HaulingTripNumber	0.00	60.00
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tblTripsAndVMT	HaulingTripNumber	0.00	24.00
tblTripsAndVMT	VendorTripNumber	51.00	6.00
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tblTripsAndVMT	VendorTripNumber	51.00	1.00
tblTripsAndVMT	VendorTripNumber	51.00	16.00
tblTripsAndVMT	VendorTripNumber	51.00	7.00
tblTripsAndVMT	VendorTripNumber	51.00	7.00
tblTripsAndVMT	WorkerTripNumber	131.00	16.00
tblTripsAndVMT	WorkerTripNumber	131.00	9.00
tblTripsAndVMT	WorkerTripNumber	26.00	3.00
tblTripsAndVMT	WorkerTripNumber	131.00	3.00
tblTripsAndVMT	WorkerTripNumber	131.00	40.00
tblTripsAndVMT	WorkerTripNumber	26.00	8.00

tblTripsAndVMT	WorkerTripNumber	26.00	1.00
tblTripsAndVMT	WorkerTripNumber	131.00	18.00
tblTripsAndVMT	WorkerTripNumber	131.00	18.00
tblTripsAndVMT	WorkerTripNumber	26.00	4.00
tblTripsAndVMT	WorkerTripNumber	26.00	2.00
tblVehicleTrips	WD_TR	15.43	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.9740	40.5558	30.1889	0.0610	18.2675	2.0461	20.3135	9.9840	1.8824	11.8664	0.0000	5,920.8616	5,920.8616	1.6315	0.0000	5,961.6481
2022	47.8451	27.1750	21.7872	0.0446	6.7200	1.2480	7.6622	3.4120	1.1604	4.2787	0.0000	4,362.1840	4,362.1840	1.0895	0.0000	4,389.4208
2023	2.3801	23.0056	20.6412	0.0468	6.7200	1.0016	7.4962	3.4120	0.9318	4.1261	0.0000	4,601.2210	4,601.2210	1.1017	0.0000	4,628.7632
2024	29.9896	34.5475	49.1409	0.0835	6.7200	1.6170	7.4457	3.4120	1.5052	4.0796	0.0000	8,068.1531	8,068.1531	2.0762	0.0000	8,120.0581
2025	2.8376	12.7622	17.1606	0.0345	0.4912	0.5565	1.0477	0.1276	0.5120	0.6396	0.0000	3,400.5942	3,400.5942	0.9307	0.0000	3,423.8621
Maximum	**47.8451**	**40.5558**	**49.1409**	**0.0835**	**18.2675**	**2.0461**	**20.3135**	**9.9840**	**1.8824**	**11.8664**	**0.0000**	**8,068.1531**	**8,068.1531**	**2.0762**	**0.0000**	**8,120.0581**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.9740	40.5558	30.1889	0.0610	7.9088	2.0461	9.9549	4.2949	1.8824	6.1773	0.0000	5,920.8616	5,920.8616	1.6315	0.0000	5,961.6481
2022	47.8451	27.1750	21.7872	0.0446	2.9557	1.2480	3.8978	1.4809	1.1604	2.3476	0.0000	4,362.1840	4,362.1840	1.0895	0.0000	4,389.4208
2023	2.3801	23.0056	20.6412	0.0468	2.9557	1.0016	3.7319	1.4809	0.9318	2.1950	0.0000	4,601.2210	4,601.2210	1.1017	0.0000	4,628.7632
2024	29.9896	34.5475	49.1409	0.0835	2.9557	1.6170	3.6813	1.4809	1.5052	2.1485	0.0000	8,068.1531	8,068.1531	2.0762	0.0000	8,120.0581
2025	2.8376	12.7622	17.1606	0.0345	0.4517	0.5565	1.0081	0.1179	0.5120	0.6299	0.0000	3,400.5942	3,400.5942	0.9307	0.0000	3,423.8621
Maximum	**47.8451**	**40.5558**	**49.1409**	**0.0835**	**7.9088**	**2.0461**	**9.9549**	**4.2949**	**1.8824**	**6.1773**	**0.0000**	**8,068.1531**	**8,068.1531**	**2.0762**	**0.0000**	**8,120.0581**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**55.73**	**0.00**	**49.34**	**56.48**	**0.00**	**45.99**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P1 Site Preparation	Site Preparation	7/1/2021	7/2/2021	5	2	
2	P1 Utility Trenching	Trenching	7/5/2021	9/3/2021	5	45	
3	P1 Portables Installation	Trenching	7/5/2021	7/16/2021	5	10	
4	P1 Portables Removal	Trenching	7/19/2021	7/23/2021	5	5	

5	P1 Handball Ct Demolition	Demolition	7/26/2021	8/16/2021	5	16
6	P1 Building Construction	Building Construction	8/17/2021	3/25/2022	5	159
7	P1 Building Modernization	Building Construction	8/17/2021	3/25/2022	5	159
8	P1 Architectural Coating-Secondary Bldg	Architectural Coating	3/16/2022	3/25/2022	5	8
9	P1 Architectural Coating - Modernization	Architectural Coating	3/16/2022	3/25/2022	5	8
10	P2 Classroom Bldg Demo	Demolition	4/1/2022	4/28/2022	5	20
11	P2 Portables Removal	Trenching	4/29/2022	5/12/2022	5	10
12	P2 Rough Grading	Grading	5/13/2022	5/18/2022	5	4
13	P2 Utility Trenching	Trenching	5/19/2022	7/20/2022	5	45
14	P2 Fine Grading	Grading	7/21/2022	7/26/2022	5	4
15	P2 Construct Hardcourts	Paving	7/27/2022	8/9/2022	5	10
16	P2 Architectural Coating	Architectural Coating	8/10/2022	8/10/2022	5	1
17	P3 Portables Removal	Trenching	7/3/2023	7/5/2023	5	3
18	P3 Tennis Courts Demolition	Demolition	7/6/2023	8/1/2023	5	19
19	P3 Rough Grading	Grading	8/2/2023	8/9/2023	5	6
20	P3 Utility Trenching	Trenching	8/10/2023	8/18/2023	5	7
21	P3 Fine Grading	Grading	8/21/2023	8/28/2023	5	6
22	P3 Building Construction	Building Construction	8/29/2023	6/20/2024	5	213
23	P3 Building Modernization	Building Construction	8/29/2023	6/20/2024	5	213
24	P3 Parking Lot	Paving	6/14/2024	6/27/2024	5	10
25	P3 Pave ES Play Area	Paving	6/14/2024	6/27/2024	5	10
26	P3 Architectural Coating	Architectural Coating	6/14/2024	6/27/2024	5	10
27	P4 Secondary Area Demolition	Demolition	7/1/2024	7/15/2024	5	11
28	P4 Rough Grading	Grading	7/16/2024	7/17/2024	5	2
29	P4 Repaving	Paving	7/18/2024	7/24/2024	5	5
30	P4 Building Construction	Building Construction	7/25/2024	12/20/2024	5	107
31	P4 Building Modernization	Building Construction	7/25/2024	12/20/2024	5	107

32	P4 Modernization Architectural Coating	Architectural Coating	11/20/2024	12/26/2024	5	27	
33	P4 Pave Kindergarten Area	Paving	12/19/2024	12/25/2024	5	5	
34	P4 Kindergarten Architectual Coating	Architectural Coating	12/19/2024	12/25/2024	5	5	
35	P4 Remove Interim Portables	Trenching	12/23/2024	1/3/2025	5	10	
36	P5 Asphalt Paving	Paving	1/1/2025	1/14/2025	5	10	
37	P5 Finishing/Landscaping	Trenching	1/16/2025	1/29/2025	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.76

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 62,502; Non-Residential Outdoor: 20,834; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
P1 Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
P1 Utility Trenching	Bore/Drill Rigs	1	8.00	221	0.50
P1 Utility Trenching	Excavators	1	8.00	158	0.38
P1 Utility Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P1 Portables Installation	Cranes	1	8.00	231	0.29
P1 Portables Removal	Cranes	1	8.00	231	0.29
P1 Handball Ct Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
P1 Handball Ct Demolition	Excavators	3	8.00	158	0.38
P1 Handball Ct Demolition	Rubber Tired Dozers	2	8.00	247	0.40
P1 Building Construction	Cranes	1	7.00	231	0.29
P1 Building Construction	Forklifts	3	8.00	89	0.20
P1 Building Construction	Generator Sets	1	8.00	84	0.74

P1 Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
P1 Building Construction	Welders	1	8.00	46	0.45
P1 Building Modernization	Cranes	0	7.00	231	0.29
P1 Building Modernization	Forklifts	0	8.00	89	0.20
P1 Building Modernization	Generator Sets	0	8.00	84	0.74
P1 Building Modernization	Tractors/Loaders/Backhoes	0	7.00	97	0.37
P1 Building Modernization	Welders	0	8.00	46	0.45
P1 Architectural Coating-Secondary Bldg	Air Compressors	1	6.00	78	0.48
P1 Architectural Coating - Modernization	Air Compressors	1	6.00	78	0.48
P2 Classroom Bldg Demo	Concrete/Industrial Saws	1	8.00	81	0.73
P2 Classroom Bldg Demo	Excavators	3	8.00	158	0.38
P2 Classroom Bldg Demo	Rubber Tired Dozers	2	8.00	247	0.40
P2 Portables Removal	Cranes	1	8.00	231	0.29
P2 Rough Grading	Excavators	1	8.00	158	0.38
P2 Rough Grading	Graders	1	8.00	187	0.41
P2 Rough Grading	Rubber Tired Dozers	1	8.00	247	0.40
P2 Rough Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P2 Utility Trenching	Excavators	1	8.00	158	0.38
P2 Utility Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P2 Fine Grading	Excavators	1	8.00	158	0.38
P2 Fine Grading	Graders	1	8.00	187	0.41
P2 Fine Grading	Rubber Tired Dozers	1	8.00	247	0.40
P2 Fine Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P2 Construct Hardcourts	Pavers	2	8.00	130	0.42
P2 Construct Hardcourts	Paving Equipment	2	8.00	132	0.36
P2 Construct Hardcourts	Rollers	2	8.00	80	0.38
P2 Architectural Coating	Air Compressors	1	6.00	78	0.48

P3 Portables Removal	Cranes	1	8.00	231	0.29
P3 Tennis Courts Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
P3 Tennis Courts Demolition	Excavators	3	8.00	158	0.38
P3 Tennis Courts Demolition	Rubber Tired Dozers	2	8.00	247	0.40
P3 Rough Grading	Excavators	1	8.00	158	0.38
P3 Rough Grading	Graders	1	8.00	187	0.41
P3 Rough Grading	Rubber Tired Dozers	1	8.00	247	0.40
P3 Rough Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P3 Utility Trenching	Bore/Drill Rigs	1	8.00	221	0.50
P3 Utility Trenching	Excavators	1	8.00	158	0.38
P3 Utility Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P3 Fine Grading	Excavators	1	8.00	158	0.38
P3 Fine Grading	Graders	1	8.00	187	0.41
P3 Fine Grading	Rubber Tired Dozers	1	8.00	247	0.40
P3 Fine Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P3 Building Construction	Cranes	1	7.00	231	0.29
P3 Building Construction	Forklifts	3	8.00	89	0.20
P3 Building Construction	Generator Sets	1	8.00	84	0.74
P3 Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
P3 Building Construction	Welders	1	8.00	46	0.45
P3 Building Modernization	Cranes	0	7.00	231	0.29
P3 Building Modernization	Forklifts	0	8.00	89	0.20
P3 Building Modernization	Generator Sets	0	8.00	84	0.74
P3 Building Modernization	Tractors/Loaders/Backhoes	0	7.00	97	0.37
P3 Building Modernization	Welders	0	8.00	46	0.45
P3 Parking Lot	Pavers	2	8.00	130	0.42
P3 Parking Lot	Paving Equipment	2	8.00	132	0.36

P3 Parking Lot	Rollers	2	8.00	80	0.38
P3 Pave ES Play Area	Pavers	2	8.00	130	0.42
P3 Pave ES Play Area	Paving Equipment	2	8.00	132	0.36
P3 Pave ES Play Area	Rollers	2	8.00	80	0.38
P3 Architectural Coating	Air Compressors	1	6.00	78	0.48
P4 Secondary Area Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
P4 Secondary Area Demolition	Excavators	3	8.00	158	0.38
P4 Secondary Area Demolition	Rubber Tired Dozers	2	8.00	247	0.40
P4 Rough Grading	Excavators	1	8.00	158	0.38
P4 Rough Grading	Graders	1	8.00	187	0.41
P4 Rough Grading	Rubber Tired Dozers	1	8.00	247	0.40
P4 Rough Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P4 Repaving	Pavers	2	8.00	130	0.42
P4 Repaving	Paving Equipment	2	8.00	132	0.36
P4 Repaving	Rollers	2	8.00	80	0.38
P4 Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
P4 Building Construction	Cranes	1	7.00	231	0.29
P4 Building Construction	Forklifts	3	8.00	89	0.20
P4 Building Construction	Generator Sets	1	8.00	84	0.74
P4 Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
P4 Building Construction	Welders	1	8.00	46	0.45
P4 Building Modernization	Cranes	0	7.00	231	0.29
P4 Building Modernization	Forklifts	0	8.00	89	0.20
P4 Building Modernization	Generator Sets	0	8.00	84	0.74
P4 Building Modernization	Tractors/Loaders/Backhoes	0	7.00	97	0.37
P4 Building Modernization	Welders	0	8.00	46	0.45
P4 Modernization Architectural Coating	Air Compressors	1	6.00	78	0.48

P4 Pave Kindergarten Area	Pavers	2	8.00	130	0.42
P4 Pave Kindergarten Area	Paving Equipment	2	8.00	132	0.36
P4 Pave Kindergarten Area	Rollers	2	8.00	80	0.38
P4 Kindergarten Architectual Coating	Air Compressors	1	6.00	78	0.48
P4 Remove Interim Portables	Cranes	1	8.00	231	0.29
P5 Asphalt Paving	Pavers	2	8.00	130	0.42
P5 Asphalt Paving	Paving Equipment	2	8.00	132	0.36
P5 Asphalt Paving	Rollers	2	8.00	80	0.38
P5 Finishing/Landscaping	Excavators	1	8.00	158	0.38
P5 Finishing/Landscaping	Paving Equipment	1	8.00	132	0.36
P5 Finishing/Landscaping	Skid Steer Loaders	1	8.00	65	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
P1 Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Utility Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Portables Installation	1	3.00	0.00	60.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Portables Removal	1	3.00	0.00	24.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Handball Ct Demolition	6	15.00	0.00	41.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Building Construction	9	18.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Building Modernization	0	18.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Architectural Coating-Secondary	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Architectural Coating -	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P2 Classroom Bldg Demo	6	15.00	0.00	112.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P2 Portables Removal	1	3.00	0.00	52.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P2 Rough Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

P2 Utility Trenching	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P2 Fine Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P2 Construct Hardcourts	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P2 Architectural Coating	1	26.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Portables Removal	1	3.00	0.00	12.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Tennis Courts Demolition	6	15.00	0.00	170.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Rough Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Utility Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Fine Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Building Construction	9	16.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Building Modernization	0	9.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Parking Lot	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Pave ES Play Area	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Architectural Coating	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Secondary Area Demolition	6	15.00	0.00	84.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Rough Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Repaving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Building Construction	10	3.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Building Modernization	0	40.00	16.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Modernization Architectural Coating	1	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Pave Kindergarten Area	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Kindergarten Architectual Coating	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Remove Interim Portables	1	3.00	0.00	60.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P5 Asphalt Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P5 Finishing/Landscaping	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 P1 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

Unmitigated Construction Off-Site

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0858	0.0587	0.6629	1.9400e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		193.0052	193.0052	5.6800e-003		193.1472
Total	**0.0858**	**0.0587**	**0.6629**	**1.9400e-003**	**0.2012**	**1.6300e-003**	**0.2028**	**0.0534**	**1.5000e-003**	**0.0549**		**193.0052**	**193.0052**	**5.6800e-003**		**193.1472**

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					7.7233	0.0000	7.7233	4.2454	0.0000	4.2454			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**7.7233**	**2.0445**	**9.7678**	**4.2454**	**1.8809**	**6.1263**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

Mitigated Construction Off-Site

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

Worker	0.0858	0.0587	0.6629	1.9400e-003	0.1855	1.6300e-003	0.1871	0.0495	1.5000e-003	0.0510		193.0052	193.0052	5.6800e-003		193.1472
Total	**0.0858**	**0.0587**	**0.6629**	**1.9400e-003**	**0.1855**	**1.6300e-003**	**0.1871**	**0.0495**	**1.5000e-003**	**0.0510**		**193.0052**	**193.0052**	**5.6800e-003**		**193.1472**

3.3 P1 Utility Trenching - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6746	7.0720	7.6060	0.0177		0.3079	0.3079		0.2832	0.2832		1,713.1545	1,713.1545	0.5541		1,727.0062
Total	**0.6746**	**7.0720**	**7.6060**	**0.0177**		**0.3079**	**0.3079**		**0.2832**	**0.2832**		**1,713.1545**	**1,713.1545**	**0.5541**		**1,727.0062**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0382	0.0261	0.2946	8.6000e-004	0.0894	7.2000e-004	0.0901	0.0237	6.7000e-004	0.0244		85.7801	85.7801	2.5200e-003		85.8432
Total	**0.0382**	**0.0261**	**0.2946**	**8.6000e-004**	**0.0894**	**7.2000e-004**	**0.0901**	**0.0237**	**6.7000e-004**	**0.0244**		**85.7801**	**85.7801**	**2.5200e-003**		**85.8432**

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	0.6746	7.0720	7.6060	0.0177		0.3079	0.3079		0.2832	0.2832	0.0000	1,713.1545	1,713.1545	0.5541		1,727.0062
Total	**0.6746**	**7.0720**	**7.6060**	**0.0177**		**0.3079**	**0.3079**		**0.2832**	**0.2832**	**0.0000**	**1,713.1545**	**1,713.1545**	**0.5541**		**1,727.0062**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0382	0.0261	0.2946	8.6000e-004	0.0824	7.2000e-004	0.0832	0.0220	6.7000e-004	0.0227		85.7801	85.7801	2.5200e-003		85.8432
Total	**0.0382**	**0.0261**	**0.2946**	**8.6000e-004**	**0.0824**	**7.2000e-004**	**0.0832**	**0.0220**	**6.7000e-004**	**0.0227**		**85.7801**	**85.7801**	**2.5200e-003**		**85.8432**

3.4 P1 Portables Installation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4129	4.8493	1.9829	5.7700e-003		0.1969	0.1969		0.1811	0.1811		558.7388	558.7388	0.1807		563.2565
Total	**0.4129**	**4.8493**	**1.9829**	**5.7700e-003**		**0.1969**	**0.1969**		**0.1811**	**0.1811**		**558.7388**	**558.7388**	**0.1807**		**563.2565**

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	0.0512	1.6292	0.4002	4.6000e-003	0.1049	5.0100e-003	0.1099	0.0288	4.8000e-003	0.0336		499.0699	499.0699	0.0357		499.9619
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0143	9.7800e-003	0.1105	3.2000e-004	0.0335	2.7000e-004	0.0338	8.8900e-003	2.5000e-004	9.1400e-003		32.1675	32.1675	9.5000e-004		32.1912
Total	**0.0655**	**1.6390**	**0.5106**	**4.9200e-003**	**0.1384**	**5.2800e-003**	**0.1437**	**0.0377**	**5.0500e-003**	**0.0427**		**531.2374**	**531.2374**	**0.0366**		**532.1531**

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	0.4129	4.8493	1.9829	5.7700e-003		0.1969	0.1969		0.1811	0.1811	0.0000	558.7388	558.7388	0.1807		563.2565
Total	**0.4129**	**4.8493**	**1.9829**	**5.7700e-003**		**0.1969**	**0.1969**		**0.1811**	**0.1811**	**0.0000**	**558.7388**	**558.7388**	**0.1807**		**563.2565**

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	0.0512	1.6292	0.4002	4.6000e-003	0.0978	5.0100e-003	0.1028	0.0270	4.8000e-003	0.0318		499.0699	499.0699	0.0357		499.9619
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0143	9.7800e-003	0.1105	3.2000e-004	0.0309	2.7000e-004	0.0312	8.2500e-003	2.5000e-004	8.5000e-003		32.1675	32.1675	9.5000e-004		32.1912
Total	**0.0655**	**1.6390**	**0.5106**	**4.9200e-003**	**0.1287**	**5.2800e-003**	**0.1340**	**0.0353**	**5.0500e-003**	**0.0403**		**531.2374**	**531.2374**	**0.0366**		**532.1531**

3.5 P1 Portables Removal - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4129	4.8493	1.9829	5.7700e-003		0.1969	0.1969		0.1811	0.1811		558.7388	558.7388	0.1807		563.2565
Total	**0.4129**	**4.8493**	**1.9829**	**5.7700e-003**		**0.1969**	**0.1969**		**0.1811**	**0.1811**		**558.7388**	**558.7388**	**0.1807**		**563.2565**

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	0.0410	1.3033	0.3201	3.6800e-003	0.0839	4.0100e-003	0.0879	0.0230	3.8400e-003	0.0268		399.2559	399.2559	0.0285		399.9695
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0143	9.7800e-003	0.1105	3.2000e-004	0.0335	2.7000e-004	0.0338	8.8900e-003	2.5000e-004	9.1400e-003		32.1675	32.1675	9.5000e-004		32.1912
Total	**0.0553**	**1.3131**	**0.4306**	**4.0000e-003**	**0.1175**	**4.2800e-003**	**0.1217**	**0.0319**	**4.0900e-003**	**0.0360**		**431.4234**	**431.4234**	**0.0295**		**432.1607**

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	0.4129	4.8493	1.9829	5.7700e-003		0.1969	0.1969		0.1811	0.1811	0.0000	558.7388	558.7388	0.1807		563.2565
Total	**0.4129**	**4.8493**	**1.9829**	**5.7700e-003**		**0.1969**	**0.1969**		**0.1811**	**0.1811**	**0.0000**	**558.7388**	**558.7388**	**0.1807**		**563.2565**

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	0.0410	1.3033	0.3201	3.6800e-003	0.0782	4.0100e-003	0.0822	0.0216	3.8400e-003	0.0254		399.2559	399.2559	0.0285		399.9695
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0143	9.7800e-003	0.1105	3.2000e-004	0.0309	2.7000e-004	0.0312	8.2500e-003	2.5000e-004	8.5000e-003		32.1675	32.1675	9.5000e-004		32.1912
Total	**0.0553**	**1.3131**	**0.4306**	**4.0000e-003**	**0.1091**	**4.2800e-003**	**0.1134**	**0.0299**	**4.0900e-003**	**0.0339**		**431.4234**	**431.4234**	**0.0295**		**432.1607**

3.6 P1 Handball Ct Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5537	0.0000	0.5537	0.0838	0.0000	0.0838			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**0.5537**	**1.5513**	**2.1050**	**0.0838**	**1.4411**	**1.5249**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

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	0.0219	0.6958	0.1709	1.9600e-003	0.0448	2.1400e-003	0.0470	0.0123	2.0500e-003	0.0143		213.1444	213.1444	0.0152		213.5254
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	**0.0934**	**0.7447**	**0.7233**	**3.5700e-003**	**0.2125**	**3.4900e-003**	**0.2160**	**0.0568**	**3.3000e-003**	**0.0600**		**373.9821**	**373.9821**	**0.0200**		**374.4814**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2367	0.0000	0.2367	0.0358	0.0000	0.0358			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**0.2367**	**1.5513**	**1.7881**	**0.0358**	**1.4411**	**1.4769**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

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	0.0219	0.6958	0.1709	1.9600e-003	0.0418	2.1400e-003	0.0439	0.0115	2.0500e-003	0.0136		213.1444	213.1444	0.0152		213.5254
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1546	1.3500e-003	0.1559	0.0413	1.2500e-003	0.0425		160.8377	160.8377	4.7300e-003		160.9560
Total	**0.0934**	**0.7447**	**0.7233**	**3.5700e-003**	**0.1963**	**3.4900e-003**	**0.1998**	**0.0528**	**3.3000e-003**	**0.0561**		**373.9821**	**373.9821**	**0.0200**		**374.4814**

3.7 P1 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0223	0.6782	0.1965	1.7500e-003	0.0448	1.4300e-003	0.0463	0.0129	1.3700e-003	0.0143		187.1419	187.1419	0.0121		187.4439
Worker	0.0858	0.0587	0.6629	1.9400e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		193.0052	193.0052	5.6800e-003		193.1472
Total	**0.1082**	**0.7369**	**0.8594**	**3.6900e-003**	**0.2460**	**3.0600e-003**	**0.2491**	**0.0663**	**2.8700e-003**	**0.0691**		**380.1471**	**380.1471**	**0.0178**		**380.5911**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0223	0.6782	0.1965	1.7500e-003	0.0419	1.4300e-003	0.0434	0.0122	1.3700e-003	0.0136		187.1419	187.1419	0.0121		187.4439
Worker	0.0858	0.0587	0.6629	1.9400e-003	0.1855	1.6300e-003	0.1871	0.0495	1.5000e-003	0.0510		193.0052	193.0052	5.6800e-003		193.1472
Total	**0.1082**	**0.7369**	**0.8594**	**3.6900e-003**	**0.2274**	**3.0600e-003**	**0.2305**	**0.0617**	**2.8700e-003**	**0.0646**		**380.1471**	**380.1471**	**0.0178**		**380.5911**

3.7 P1 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0210	0.6446	0.1860	1.7300e-003	0.0448	1.2500e-003	0.0461	0.0129	1.2000e-003	0.0141		185.4792	185.4792	0.0117		185.7706
Worker	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	**0.1016**	**0.6976**	**0.7966**	**3.6000e-003**	**0.2460**	**2.8200e-003**	**0.2488**	**0.0663**	**2.6500e-003**	**0.0689**		**371.7017**	**371.7017**	**0.0168**		**372.1213**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0210	0.6446	0.1860	1.7300e-003	0.0419	1.2500e-003	0.0432	0.0122	1.2000e-003	0.0134		185.4792	185.4792	0.0117		185.7706
Worker	0.0806	0.0530	0.6105	1.8700e-003	0.1855	1.5700e-003	0.1870	0.0495	1.4500e-003	0.0510		186.2225	186.2225	5.1300e-003		186.3507
Total	**0.1016**	**0.6976**	**0.7966**	**3.6000e-003**	**0.2274**	**2.8200e-003**	**0.2302**	**0.0617**	**2.6500e-003**	**0.0644**		**371.7017**	**371.7017**	**0.0168**		**372.1213**

3.8 P1 Building Modernization - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0223	0.6782	0.1965	1.7500e-003	0.0448	1.4300e-003	0.0463	0.0129	1.3700e-003	0.0143		187.1419	187.1419	0.0121		187.4439
Worker	0.0858	0.0587	0.6629	1.9400e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		193.0052	193.0052	5.6800e-003		193.1472
Total	**0.1082**	**0.7369**	**0.8594**	**3.6900e-003**	**0.2460**	**3.0600e-003**	**0.2491**	**0.0663**	**2.8700e-003**	**0.0691**		**380.1471**	**380.1471**	**0.0178**		**380.5911**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0223	0.6782	0.1965	1.7500e-003	0.0419	1.4300e-003	0.0434	0.0122	1.3700e-003	0.0136		187.1419	187.1419	0.0121		187.4439
Worker	0.0858	0.0587	0.6629	1.9400e-003	0.1855	1.6300e-003	0.1871	0.0495	1.5000e-003	0.0510		193.0052	193.0052	5.6800e-003		193.1472
Total	**0.1082**	**0.7369**	**0.8594**	**3.6900e-003**	**0.2274**	**3.0600e-003**	**0.2305**	**0.0617**	**2.8700e-003**	**0.0646**		**380.1471**	**380.1471**	**0.0178**		**380.5911**

3.8 P1 Building Modernization - 2022

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0210	0.6446	0.1860	1.7300e-003	0.0448	1.2500e-003	0.0461	0.0129	1.2000e-003	0.0141		185.4792	185.4792	0.0117		185.7706
Worker	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	**0.1016**	**0.6976**	**0.7966**	**3.6000e-003**	**0.2460**	**2.8200e-003**	**0.2488**	**0.0663**	**2.6500e-003**	**0.0689**		**371.7017**	**371.7017**	**0.0168**		**372.1213**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0210	0.6446	0.1860	1.7300e-003	0.0419	1.2500e-003	0.0432	0.0122	1.2000e-003	0.0134		185.4792	185.4792	0.0117		185.7706
Worker	0.0806	0.0530	0.6105	1.8700e-003	0.1855	1.5700e-003	0.1870	0.0495	1.4500e-003	0.0510		186.2225	186.2225	5.1300e-003		186.3507
Total	**0.1016**	**0.6976**	**0.7966**	**3.6000e-003**	**0.2274**	**2.8200e-003**	**0.2302**	**0.0617**	**2.6500e-003**	**0.0644**		**371.7017**	**371.7017**	**0.0168**		**372.1213**

3.9 P1 Architectural Coating-Secondary Bldg - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	30.1768					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**30.3813**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0179	0.0118	0.1357	4.2000e-004	0.0836	3.5000e-004	0.0839	0.0214	3.2000e-004	0.0217		41.3828	41.3828	1.1400e-003		41.4113
Total	**0.0179**	**0.0118**	**0.1357**	**4.2000e-004**	**0.0836**	**3.5000e-004**	**0.0839**	**0.0214**	**3.2000e-004**	**0.0217**		**41.3828**	**41.3828**	**1.1400e-003**		**41.4113**

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	30.1768					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**30.3813**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0179	0.0118	0.1357	4.2000e-004	0.0766	3.5000e-004	0.0769	0.0197	3.2000e-004	0.0200		41.3828	41.3828	1.1400e-003		41.4113
Total	**0.0179**	**0.0118**	**0.1357**	**4.2000e-004**	**0.0766**	**3.5000e-004**	**0.0769**	**0.0197**	**3.2000e-004**	**0.0200**		**41.3828**	**41.3828**	**1.1400e-003**		**41.4113**

3.10 P1 Architectural Coating - Modernization - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.3230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**15.5276**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.9600e-003	5.8900e-003	0.0678	2.1000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		20.6914	20.6914	5.7000e-004		20.7056
Total	**8.9600e-003**	**5.8900e-003**	**0.0678**	**2.1000e-004**	**0.0224**	**1.7000e-004**	**0.0225**	**5.9300e-003**	**1.6000e-004**	**6.0900e-003**		**20.6914**	**20.6914**	**5.7000e-004**		**20.7056**

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	15.3230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**15.5276**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

Mitigated Construction Off-Site

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

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.9600e-003	5.8900e-003	0.0678	2.1000e-004	0.0206	1.7000e-004	0.0208	5.5000e-003	1.6000e-004	5.6600e-003		20.6914	20.6914	5.7000e-004		20.7056
Total	**8.9600e-003**	**5.8900e-003**	**0.0678**	**2.1000e-004**	**0.0206**	**1.7000e-004**	**0.0208**	**5.5000e-003**	**1.6000e-004**	**5.6600e-003**		**20.6914**	**20.6914**	**5.7000e-004**		**20.7056**

3.11 P2 Classroom Bldg Demo - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Fugitive Dust					1.2048	0.0000	1.2048	0.1824	0.0000	0.1824			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	**2.6392**	**25.7194**	**20.5941**	**0.0388**	**1.2048**	**1.2427**	**2.4474**	**0.1824**	**1.1553**	**1.3377**		**3,746.7812**	**3,746.7812**	**1.0524**		**3,773.0920**

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	0.0455	1.4114	0.3689	4.2400e-003	0.0979	4.0700e-003	0.1020	0.0268	3.8900e-003	0.0307		460.2174	460.2174	0.0328		461.0365
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	**0.1127**	**1.4556**	**0.8777**	**5.8000e-003**	**0.2656**	**5.3800e-003**	**0.2710**	**0.0713**	**5.1000e-003**	**0.0764**		**615.4028**	**615.4028**	**0.0370**		**616.3288**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5150	0.0000	0.5150	0.0780	0.0000	0.0780			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	**2.6392**	**25.7194**	**20.5941**	**0.0388**	**0.5150**	**1.2427**	**1.7577**	**0.0780**	**1.1553**	**1.2332**	**0.0000**	**3,746.7812**	**3,746.7812**	**1.0524**		**3,773.0920**

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	0.0455	1.4114	0.3689	4.2400e-003	0.0913	4.0700e-003	0.0953	0.0252	3.8900e-003	0.0291		460.2174	460.2174	0.0328		461.0365

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1546	1.3100e-003	0.1559	0.0413	1.2100e-003	0.0425		155.1854	155.1854	4.2700e-003		155.2922
Total	**0.1127**	**1.4556**	**0.8777**	**5.8000e-003**	**0.2458**	**5.3800e-003**	**0.2512**	**0.0665**	**5.1000e-003**	**0.0716**		**615.4028**	**615.4028**	**0.0370**		**616.3288**

3.12 P2 Portables Removal - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3730	4.1843	1.8923	5.7700e-003		0.1737	0.1737		0.1598	0.1598		558.8304	558.8304	0.1807		563.3488
Total	**0.3730**	**4.1843**	**1.8923**	**5.7700e-003**		**0.1737**	**0.1737**		**0.1598**	**0.1598**		**558.8304**	**558.8304**	**0.1807**		**563.3488**

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	0.0423	1.3106	0.3426	3.9300e-003	0.0909	3.7800e-003	0.0947	0.0249	3.6100e-003	0.0285		427.3447	427.3447	0.0304		428.1054
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0134	8.8400e-003	0.1018	3.1000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		31.0371	31.0371	8.5000e-004		31.0585
Total	**0.0557**	**1.3194**	**0.4443**	**4.2400e-003**	**0.1245**	**4.0400e-003**	**0.1285**	**0.0338**	**3.8500e-003**	**0.0377**		**458.3818**	**458.3818**	**0.0313**		**459.1638**

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	0.3730	4.1843	1.8923	5.7700e-003		0.1737	0.1737		0.1598	0.1598	0.0000	558.8304	558.8304	0.1807		563.3488
Total	**0.3730**	**4.1843**	**1.8923**	**5.7700e-003**		**0.1737**	**0.1737**		**0.1598**	**0.1598**	**0.0000**	**558.8304**	**558.8304**	**0.1807**		**563.3488**

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	0.0423	1.3106	0.3426	3.9300e-003	0.0847	3.7800e-003	0.0885	0.0234	3.6100e-003	0.0270		427.3447	427.3447	0.0304		428.1054
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	8.8400e-003	0.1018	3.1000e-004	0.0309	2.6000e-004	0.0312	8.2500e-003	2.4000e-004	8.4900e-003		31.0371	31.0371	8.5000e-004		31.0585
Total	**0.0557**	**1.3194**	**0.4443**	**4.2400e-003**	**0.1157**	**4.0400e-003**	**0.1197**	**0.0317**	**3.8500e-003**	**0.0355**		**458.3818**	**458.3818**	**0.0313**		**459.1638**

3.13 P2 Rough Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**6.5523**	**0.9409**	**7.4932**	**3.3675**	**0.8656**	**4.2331**		**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	**0.0672**	**0.0442**	**0.5088**	**1.5600e-003**	**0.1677**	**1.3100e-003**	**0.1690**	**0.0445**	**1.2100e-003**	**0.0457**		**155.1854**	**155.1854**	**4.2700e-003**		**155.2922**

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					2.8011	0.0000	2.8011	1.4396	0.0000	1.4396			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**2.8011**	**0.9409**	**3.7420**	**1.4396**	**0.8656**	**2.3052**	**0.0000**	**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1546	1.3100e-003	0.1559	0.0413	1.2100e-003	0.0425		155.1854	155.1854	4.2700e-003		155.2922
Total	**0.0672**	**0.0442**	**0.5088**	**1.5600e-003**	**0.1546**	**1.3100e-003**	**0.1559**	**0.0413**	**1.2100e-003**	**0.0425**		**155.1854**	**155.1854**	**4.2700e-003**		**155.2922**

3.14 P2 Utility Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3671	3.4526	5.4931	8.2800e-003		0.1760	0.1760		0.1620	0.1620		801.2542	801.2542	0.2591		807.7328
Total	**0.3671**	**3.4526**	**5.4931**	**8.2800e-003**		**0.1760**	**0.1760**		**0.1620**	**0.1620**		**801.2542**	**801.2542**	**0.2591**		**807.7328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0224	0.0147	0.1696	5.2000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		51.7285	51.7285	1.4200e-003		51.7641
Total	**0.0224**	**0.0147**	**0.1696**	**5.2000e-004**	**0.0559**	**4.4000e-004**	**0.0563**	**0.0148**	**4.0000e-004**	**0.0152**		**51.7285**	**51.7285**	**1.4200e-003**		**51.7641**

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	0.3671	3.4526	5.4931	8.2800e-003		0.1760	0.1760		0.1620	0.1620	0.0000	801.2542	801.2542	0.2591		807.7328
Total	**0.3671**	**3.4526**	**5.4931**	**8.2800e-003**		**0.1760**	**0.1760**		**0.1620**	**0.1620**	**0.0000**	**801.2542**	**801.2542**	**0.2591**		**807.7328**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0224	0.0147	0.1696	5.2000e-004	0.0515	4.4000e-004	0.0520	0.0138	4.0000e-004	0.0142		51.7285	51.7285	1.4200e-003		51.7641
Total	**0.0224**	**0.0147**	**0.1696**	**5.2000e-004**	**0.0515**	**4.4000e-004**	**0.0520**	**0.0138**	**4.0000e-004**	**0.0142**		**51.7285**	**51.7285**	**1.4200e-003**		**51.7641**

3.15 P2 Fine Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**6.5523**	**0.9409**	**7.4932**	**3.3675**	**0.8656**	**4.2331**		**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	**0.0672**	**0.0442**	**0.5088**	**1.5600e-003**	**0.1677**	**1.3100e-003**	**0.1690**	**0.0445**	**1.2100e-003**	**0.0457**		**155.1854**	**155.1854**	**4.2700e-003**		**155.2922**

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					2.8011	0.0000	2.8011	1.4396	0.0000	1.4396			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**2.8011**	**0.9409**	**3.7420**	**1.4396**	**0.8656**	**2.3052**	**0.0000**	**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1546	1.3100e-003	0.1559	0.0413	1.2100e-003	0.0425		155.1854	155.1854	4.2700e-003		155.2922
Total	**0.0672**	**0.0442**	**0.5088**	**1.5600e-003**	**0.1546**	**1.3100e-003**	**0.1559**	**0.0413**	**1.2100e-003**	**0.0425**		**155.1854**	**155.1854**	**4.2700e-003**		**155.2922**

3.16 P2 Construct Hardcourts - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	1.5091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.6119**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	**0.0672**	**0.0442**	**0.5088**	**1.5600e-003**	**0.1677**	**1.3100e-003**	**0.1690**	**0.0445**	**1.2100e-003**	**0.0457**		**155.1854**	**155.1854**	**4.2700e-003**		**155.2922**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	1.5091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.6119**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1546	1.3100e-003	0.1559	0.0413	1.2100e-003	0.0425		155.1854	155.1854	4.2700e-003		155.2922
Total	**0.0672**	**0.0442**	**0.5088**	**1.5600e-003**	**0.1546**	**1.3100e-003**	**0.1559**	**0.0413**	**1.2100e-003**	**0.0425**		**155.1854**	**155.1854**	**4.2700e-003**		**155.2922**

3.17 P2 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.5052					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**16.7098**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1164	0.0766	0.8819	2.7000e-003	0.2906	2.2700e-003	0.2929	0.0771	2.1000e-003	0.0792		268.9881	268.9881	7.4100e-003		269.1732
Total	**0.1164**	**0.0766**	**0.8819**	**2.7000e-003**	**0.2906**	**2.2700e-003**	**0.2929**	**0.0771**	**2.1000e-003**	**0.0792**		**268.9881**	**268.9881**	**7.4100e-003**		**269.1732**

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	16.5052					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**16.7098**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1164	0.0766	0.8819	2.7000e-003	0.2679	2.2700e-003	0.2702	0.0715	2.1000e-003	0.0736		268.9881	268.9881	7.4100e-003		269.1732
Total	**0.1164**	**0.0766**	**0.8819**	**2.7000e-003**	**0.2679**	**2.2700e-003**	**0.2702**	**0.0715**	**2.1000e-003**	**0.0736**		**268.9881**	**268.9881**	**7.4100e-003**		**269.1732**

3.18 P3 Portables Removal - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466		558.8192	558.8192	0.1807		563.3376
Total	**0.3514**	**3.8155**	**1.8344**	**5.7700e-003**		**0.1593**	**0.1593**		**0.1466**	**0.1466**		**558.8192**	**558.8192**	**0.1807**		**563.3376**

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	0.0213	0.6622	0.2370	2.8900e-003	0.0700	1.2200e-003	0.0712	0.0192	1.1700e-003	0.0204		315.0553	315.0553	0.0217		315.5970
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0127	7.9900e-003	0.0935	3.0000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.3000e-004	9.1300e-003		29.9016	29.9016	7.7000e-004		29.9209
Total	**0.0340**	**0.6702**	**0.3306**	**3.1900e-003**	**0.1035**	**1.4800e-003**	**0.1050**	**0.0281**	**1.4000e-003**	**0.0295**		**344.9569**	**344.9569**	**0.0224**		**345.5178**

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	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	**0.3514**	**3.8155**	**1.8344**	**5.7700e-003**		**0.1593**	**0.1593**		**0.1466**	**0.1466**	**0.0000**	**558.8192**	**558.8192**	**0.1807**		**563.3376**

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	0.0213	0.6622	0.2370	2.8900e-003	0.0652	1.2200e-003	0.0664	0.0180	1.1700e-003	0.0192		315.0553	315.0553	0.0217		315.5970
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0127	7.9900e-003	0.0935	3.0000e-004	0.0309	2.6000e-004	0.0312	8.2500e-003	2.3000e-004	8.4800e-003		29.9016	29.9016	7.7000e-004		29.9209
Total	**0.0340**	**0.6702**	**0.3306**	**3.1900e-003**	**0.0961**	**1.4800e-003**	**0.0976**	**0.0263**	**1.4000e-003**	**0.0277**		**344.9569**	**344.9569**	**0.0224**		**345.5178**

3.19 P3 Tennis Courts Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9259	0.0000	1.9259	0.2916	0.0000	0.2916			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**1.9259**	**0.9975**	**2.9234**	**0.2916**	**0.9280**	**1.2196**		**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

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	0.0477	1.4812	0.5302	6.4700e-003	0.1565	2.7400e-003	0.1592	0.0429	2.6200e-003	0.0455		704.7289	704.7289	0.0485		705.9406
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	**0.1110**	**1.5212**	**0.9979**	**7.9700e-003**	**0.3241**	**4.0200e-003**	**0.3281**	**0.0874**	**3.7900e-003**	**0.0912**		**854.2370**	**854.2370**	**0.0523**		**855.5449**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8233	0.0000	0.8233	0.1247	0.0000	0.1247			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**0.8233**	**0.9975**	**1.8209**	**0.1247**	**0.9280**	**1.0527**	**0.0000**	**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

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	0.0477	1.4812	0.5302	6.4700e-003	0.1458	2.7400e-003	0.1486	0.0403	2.6200e-003	0.0429		704.7289	704.7289	0.0485		705.9406
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1546	1.2800e-003	0.1558	0.0413	1.1700e-003	0.0424		149.5081	149.5081	3.8500e-003		149.6043
Total	**0.1110**	**1.5212**	**0.9979**	**7.9700e-003**	**0.3004**	**4.0200e-003**	**0.3044**	**0.0815**	**3.7900e-003**	**0.0853**		**854.2370**	**854.2370**	**0.0523**		**855.5449**

3.20 P3 Rough Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**6.5523**	**0.7749**	**7.3273**	**3.3675**	**0.7129**	**4.0804**		**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	**0.0633**	**0.0400**	**0.4677**	**1.5000e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**149.5081**	**149.5081**	**3.8500e-003**		**149.6043**

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					2.8011	0.0000	2.8011	1.4396	0.0000	1.4396			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**2.8011**	**0.7749**	**3.5760**	**1.4396**	**0.7129**	**2.1525**	**0.0000**	**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1546	1.2800e-003	0.1558	0.0413	1.1700e-003	0.0424		149.5081	149.5081	3.8500e-003		149.6043
Total	**0.0633**	**0.0400**	**0.4677**	**1.5000e-003**	**0.1546**	**1.2800e-003**	**0.1558**	**0.0413**	**1.1700e-003**	**0.0424**		**149.5081**	**149.5081**	**3.8500e-003**		**149.6043**

3.21 P3 Utility Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5552	5.1239	7.5220	0.0177		0.2177	0.2177		0.2002	0.2002		1,717.0854	1,717.0854	0.5553		1,730.9689
Total	**0.5552**	**5.1239**	**7.5220**	**0.0177**		**0.2177**	**0.2177**		**0.2002**	**0.2002**		**1,717.0854**	**1,717.0854**	**0.5553**		**1,730.9689**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0338	0.0213	0.2494	8.0000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		79.7377	79.7377	2.0500e-003		79.7890
Total	**0.0338**	**0.0213**	**0.2494**	**8.0000e-004**	**0.0894**	**6.8000e-004**	**0.0901**	**0.0237**	**6.3000e-004**	**0.0243**		**79.7377**	**79.7377**	**2.0500e-003**		**79.7890**

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	0.5552	5.1239	7.5220	0.0177		0.2177	0.2177		0.2002	0.2002	0.0000	1,717.0854	1,717.0854	0.5553		1,730.9689
Total	**0.5552**	**5.1239**	**7.5220**	**0.0177**		**0.2177**	**0.2177**		**0.2002**	**0.2002**	**0.0000**	**1,717.0854**	**1,717.0854**	**0.5553**		**1,730.9689**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0338	0.0213	0.2494	8.0000e-004	0.0824	6.8000e-004	0.0831	0.0220	6.3000e-004	0.0226		79.7377	79.7377	2.0500e-003		79.7890
Total	**0.0338**	**0.0213**	**0.2494**	**8.0000e-004**	**0.0824**	**6.8000e-004**	**0.0831**	**0.0220**	**6.3000e-004**	**0.0226**		**79.7377**	**79.7377**	**2.0500e-003**		**79.7890**

3.22 P3 Fine Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**6.5523**	**0.7749**	**7.3273**	**3.3675**	**0.7129**	**4.0804**		**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	**0.0633**	**0.0400**	**0.4677**	**1.5000e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1700e-003**	**0.0456**		**149.5081**	**149.5081**	**3.8500e-003**		**149.6043**

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					2.8011	0.0000	2.8011	1.4396	0.0000	1.4396			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**2.8011**	**0.7749**	**3.5760**	**1.4396**	**0.7129**	**2.1525**	**0.0000**	**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1546	1.2800e-003	0.1558	0.0413	1.1700e-003	0.0424		149.5081	149.5081	3.8500e-003		149.6043
Total	**0.0633**	**0.0400**	**0.4677**	**1.5000e-003**	**0.1546**	**1.2800e-003**	**0.1558**	**0.0413**	**1.1700e-003**	**0.0424**		**149.5081**	**149.5081**	**3.8500e-003**		**149.6043**

3.23 P3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0134	0.4184	0.1417	1.4400e-003	0.0384	5.1000e-004	0.0389	0.0111	4.9000e-004	0.0116		154.0448	154.0448	8.8000e-003		154.2647
Worker	0.0675	0.0426	0.4988	1.6000e-003	0.1788	1.3600e-003	0.1802	0.0474	1.2500e-003	0.0487		159.4753	159.4753	4.1000e-003		159.5779
Total	**0.0809**	**0.4611**	**0.6405**	**3.0400e-003**	**0.2173**	**1.8700e-003**	**0.2191**	**0.0585**	**1.7400e-003**	**0.0602**		**313.5201**	**313.5201**	**0.0129**		**313.8426**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0134	0.4184	0.1417	1.4400e-003	0.0360	5.1000e-004	0.0365	0.0105	4.9000e-004	0.0109		154.0448	154.0448	8.8000e-003		154.2647
Worker	0.0675	0.0426	0.4988	1.6000e-003	0.1649	1.3600e-003	0.1662	0.0440	1.2500e-003	0.0453		159.4753	159.4753	4.1000e-003		159.5779
Total	**0.0809**	**0.4611**	**0.6405**	**3.0400e-003**	**0.2008**	**1.8700e-003**	**0.2027**	**0.0545**	**1.7400e-003**	**0.0562**		**313.5201**	**313.5201**	**0.0129**		**313.8426**

3.23 P3 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
Total	**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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0130	0.4169	0.1374	1.4300e-003	0.0384	5.0000e-004	0.0389	0.0111	4.8000e-004	0.0115		153.4473	153.4473	8.6600e-003		153.6639
Worker	0.0641	0.0389	0.4644	1.5500e-003	0.1788	1.3400e-003	0.1802	0.0474	1.2300e-003	0.0487		154.5286	154.5286	3.7600e-003		154.6226
Total	**0.0771**	**0.4558**	**0.6018**	**2.9800e-003**	**0.2173**	**1.8400e-003**	**0.2191**	**0.0585**	**1.7100e-003**	**0.0602**		**307.9759**	**307.9759**	**0.0124**		**308.2865**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

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

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0130	0.4169	0.1374	1.4300e-003	0.0360	5.0000e-004	0.0365	0.0105	4.8000e-004	0.0109		153.4473	153.4473	8.6600e-003		153.6639
Worker	0.0641	0.0389	0.4644	1.5500e-003	0.1649	1.3400e-003	0.1662	0.0440	1.2300e-003	0.0452		154.5286	154.5286	3.7600e-003		154.6226
Total	**0.0771**	**0.4558**	**0.6018**	**2.9800e-003**	**0.2008**	**1.8400e-003**	**0.2026**	**0.0545**	**1.7100e-003**	**0.0562**		**307.9759**	**307.9759**	**0.0124**		**308.2865**

3.24 P3 Building Modernization - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.9000e-003	0.2790	0.0945	9.6000e-004	0.0256	3.4000e-004	0.0260	7.3700e-003	3.3000e-004	7.7000e-003		102.6965	102.6965	5.8600e-003		102.8431
Worker	0.0380	0.0240	0.2806	9.0000e-004	0.1006	7.7000e-004	0.1014	0.0267	7.0000e-004	0.0274		89.7049	89.7049	2.3100e-003		89.7626
Total	**0.0469**	**0.3029**	**0.3751**	**1.8600e-003**	**0.1262**	**1.1100e-003**	**0.1273**	**0.0341**	**1.0300e-003**	**0.0351**		**192.4014**	**192.4014**	**8.1700e-003**		**192.6057**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.9000e-003	0.2790	0.0945	9.6000e-004	0.0240	3.4000e-004	0.0243	6.9700e-003	3.3000e-004	7.3000e-003		102.6965	102.6965	5.8600e-003		102.8431
Worker	0.0380	0.0240	0.2806	9.0000e-004	0.0927	7.7000e-004	0.0935	0.0248	7.0000e-004	0.0255		89.7049	89.7049	2.3100e-003		89.7626
Total	**0.0469**	**0.3029**	**0.3751**	**1.8600e-003**	**0.1167**	**1.1100e-003**	**0.1178**	**0.0317**	**1.0300e-003**	**0.0328**		**192.4014**	**192.4014**	**8.1700e-003**		**192.6057**

3.24 P3 Building Modernization - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.6800e-003	0.2780	0.0916	9.5000e-004	0.0256	3.3000e-004	0.0259	7.3700e-003	3.2000e-004	7.6900e-003		102.2982	102.2982	5.7800e-003		102.4426
Worker	0.0360	0.0219	0.2612	8.7000e-004	0.1006	7.5000e-004	0.1014	0.0267	6.9000e-004	0.0274		86.9223	86.9223	2.1200e-003		86.9752
Total	**0.0447**	**0.2998**	**0.3528**	**1.8200e-003**	**0.1262**	**1.0800e-003**	**0.1273**	**0.0341**	**1.0100e-003**	**0.0351**		**189.2206**	**189.2206**	**7.9000e-003**		**189.4178**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.6800e-003	0.2780	0.0916	9.5000e-004	0.0240	3.3000e-004	0.0243	6.9700e-003	3.2000e-004	7.2900e-003		102.2982	102.2982	5.7800e-003		102.4426
Worker	0.0360	0.0219	0.2612	8.7000e-004	0.0927	7.5000e-004	0.0935	0.0248	6.9000e-004	0.0254		86.9223	86.9223	2.1200e-003		86.9752
Total	**0.0447**	**0.2998**	**0.3528**	**1.8200e-003**	**0.1167**	**1.0800e-003**	**0.1178**	**0.0317**	**1.0100e-003**	**0.0327**		**189.2206**	**189.2206**	**7.9000e-003**		**189.4178**

3.25 P3 Parking Lot - 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		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	1.5091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.4973**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0364	0.4354	1.4500e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		144.8706	144.8706	3.5300e-003		144.9587
Total	**0.0601**	**0.0364**	**0.4354**	**1.4500e-003**	**0.1677**	**1.2600e-003**	**0.1689**	**0.0445**	**1.1600e-003**	**0.0456**		**144.8706**	**144.8706**	**3.5300e-003**		**144.9587**

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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	1.5091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.4973**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0364	0.4354	1.4500e-003	0.1546	1.2600e-003	0.1558	0.0413	1.1600e-003	0.0424		144.8706	144.8706	3.5300e-003		144.9587
Total	**0.0601**	**0.0364**	**0.4354**	**1.4500e-003**	**0.1546**	**1.2600e-003**	**0.1558**	**0.0413**	**1.1600e-003**	**0.0424**		**144.8706**	**144.8706**	**3.5300e-003**		**144.9587**

3.26 P3 Pave ES Play Area - 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		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	1.5091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.4973**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0364	0.4354	1.4500e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		144.8706	144.8706	3.5300e-003		144.9587
Total	**0.0601**	**0.0364**	**0.4354**	**1.4500e-003**	**0.1677**	**1.2600e-003**	**0.1689**	**0.0445**	**1.1600e-003**	**0.0456**		**144.8706**	**144.8706**	**3.5300e-003**		**144.9587**

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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	1.5091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.4973**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0364	0.4354	1.4500e-003	0.1546	1.2600e-003	0.1558	0.0413	1.1600e-003	0.0424		144.8706	144.8706	3.5300e-003		144.9587
Total	**0.0601**	**0.0364**	**0.4354**	**1.4500e-003**	**0.1546**	**1.2600e-003**	**0.1558**	**0.0413**	**1.1600e-003**	**0.0424**		**144.8706**	**144.8706**	**3.5300e-003**		**144.9587**

3.27 P3 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	23.0888					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
Total	**23.2696**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0120	7.2900e-003	0.0871	2.9000e-004	0.0335	2.5000e-004	0.0338	8.8900e-003	2.3000e-004	9.1200e-003		28.9741	28.9741	7.1000e-004		28.9917
Total	**0.0120**	**7.2900e-003**	**0.0871**	**2.9000e-004**	**0.0335**	**2.5000e-004**	**0.0338**	**8.8900e-003**	**2.3000e-004**	**9.1200e-003**		**28.9741**	**28.9741**	**7.1000e-004**		**28.9917**

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	23.0888					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	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**23.2696**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0120	7.2900e-003	0.0871	2.9000e-004	0.0309	2.5000e-004	0.0312	8.2500e-003	2.3000e-004	8.4800e-003		28.9741	28.9741	7.1000e-004		28.9917
Total	**0.0120**	**7.2900e-003**	**0.0871**	**2.9000e-004**	**0.0309**	**2.5000e-004**	**0.0312**	**8.2500e-003**	**2.3000e-004**	**8.4800e-003**		**28.9741**	**28.9741**	**7.1000e-004**		**28.9917**

3.28 P4 Secondary Area Demolition - 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					1.6438	0.0000	1.6438	0.2489	0.0000	0.2489			0.0000			0.0000
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
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**	**1.6438**	**0.9602**	**2.6040**	**0.2489**	**0.8922**	**1.1411**		**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

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	0.0408	1.2556	0.4570	5.4900e-003	0.1335	2.3100e-003	0.1359	0.0366	2.2100e-003	0.0388		598.8049	598.8049	0.0413		599.8381
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0364	0.4354	1.4500e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		144.8706	144.8706	3.5300e-003		144.9587
Total	**0.1009**	**1.2920**	**0.8924**	**6.9400e-003**	**0.3012**	**3.5700e-003**	**0.3048**	**0.0811**	**3.3700e-003**	**0.0844**		**743.6755**	**743.6755**	**0.0449**		**744.7968**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7027	0.0000	0.7027	0.1064	0.0000	0.1064			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**	**0.7027**	**0.9602**	**1.6629**	**0.1064**	**0.8922**	**0.9986**	**0.0000**	**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

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	0.0408	1.2556	0.4570	5.4900e-003	0.1245	2.3100e-003	0.1268	0.0344	2.2100e-003	0.0366		598.8049	598.8049	0.0413		599.8381
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0364	0.4354	1.4500e-003	0.1546	1.2600e-003	0.1558	0.0413	1.1600e-003	0.0424		144.8706	144.8706	3.5300e-003		144.9587
Total	**0.1009**	**1.2920**	**0.8924**	**6.9400e-003**	**0.2790**	**3.5700e-003**	**0.2826**	**0.0756**	**3.3700e-003**	**0.0790**		**743.6755**	**743.6755**	**0.0449**		**744.7968**

3.29 P4 Rough 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					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.6617	17.0310	14.7594	0.0297		0.7244	0.7244		0.6665	0.6665		2,873.0541	2,873.0541	0.9292		2,896.2842
Total	**1.6617**	**17.0310**	**14.7594**	**0.0297**	**6.5523**	**0.7244**	**7.2768**	**3.3675**	**0.6665**	**4.0340**		**2,873.0541**	**2,873.0541**	**0.9292**		**2,896.2842**

Unmitigated Construction Off-Site

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

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0364	0.4354	1.4500e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		144.8706	144.8706	3.5300e-003		144.9587
Total	**0.0601**	**0.0364**	**0.4354**	**1.4500e-003**	**0.1677**	**1.2600e-003**	**0.1689**	**0.0445**	**1.1600e-003**	**0.0456**		**144.8706**	**144.8706**	**3.5300e-003**		**144.9587**

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					2.8011	0.0000	2.8011	1.4396	0.0000	1.4396			0.0000			0.0000
Off-Road	1.6617	17.0310	14.7594	0.0297		0.7244	0.7244		0.6665	0.6665	0.0000	2,873.0541	2,873.0541	0.9292		2,896.2842
Total	**1.6617**	**17.0310**	**14.7594**	**0.0297**	**2.8011**	**0.7244**	**3.5255**	**1.4396**	**0.6665**	**2.1061**	**0.0000**	**2,873.0541**	**2,873.0541**	**0.9292**		**2,896.2842**

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0364	0.4354	1.4500e-003	0.1546	1.2600e-003	0.1558	0.0413	1.1600e-003	0.0424		144.8706	144.8706	3.5300e-003		144.9587
Total	**0.0601**	**0.0364**	**0.4354**	**1.4500e-003**	**0.1546**	**1.2600e-003**	**0.1558**	**0.0413**	**1.1600e-003**	**0.0424**		**144.8706**	**144.8706**	**3.5300e-003**		**144.9587**

3.30 P4 Repaving - 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		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	3.0182					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.0064**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Unmitigated Construction Off-Site

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0364	0.4354	1.4500e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		144.8706	144.8706	3.5300e-003		144.9587
Total	**0.0601**	**0.0364**	**0.4354**	**1.4500e-003**	**0.1677**	**1.2600e-003**	**0.1689**	**0.0445**	**1.1600e-003**	**0.0456**		**144.8706**	**144.8706**	**3.5300e-003**		**144.9587**

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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	3.0182					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.0064**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Mitigated Construction Off-Site

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

Worker	0.0601	0.0364	0.4354	1.4500e-003	0.1546	1.2600e-003	0.1558	0.0413	1.1600e-003	0.0424		144.8706	144.8706	3.5300e-003		144.9587
Total	**0.0601**	**0.0364**	**0.4354**	**1.4500e-003**	**0.1546**	**1.2600e-003**	**0.1558**	**0.0413**	**1.1600e-003**	**0.0424**		**144.8706**	**144.8706**	**3.5300e-003**		**144.9587**

3.31 P4 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	1.6821	15.3448	18.2052	0.0364		0.6760	0.6760		0.6345	0.6345		3,473.0622	3,473.0622	0.9010		3,495.5883
Total	**1.6821**	**15.3448**	**18.2052**	**0.0364**		**0.6760**	**0.6760**		**0.6345**	**0.6345**		**3,473.0622**	**3,473.0622**	**0.9010**		**3,495.5883**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.1700e-003	0.0695	0.0229	2.4000e-004	6.4000e-003	8.0000e-005	6.4900e-003	1.8400e-003	8.0000e-005	1.9200e-003		25.5746	25.5746	1.4400e-003		25.6107
Worker	0.0120	7.2900e-003	0.0871	2.9000e-004	0.0335	2.5000e-004	0.0338	8.8900e-003	2.3000e-004	9.1200e-003		28.9741	28.9741	7.1000e-004		28.9917

Total	**0.0142**	**0.0768**	**0.1100**	**5.3000e-004**	**0.0399**	**3.3000e-004**	**0.0403**	**0.0107**	**3.1000e-004**	**0.0110**		**54.5487**	**54.5487**	**2.1500e-003**		**54.6024**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6821	15.3448	18.2052	0.0364		0.6760	0.6760		0.6345	0.6345	0.0000	3,473.0622	3,473.0622	0.9010		3,495.5883
Total	**1.6821**	**15.3448**	**18.2052**	**0.0364**		**0.6760**	**0.6760**		**0.6345**	**0.6345**	**0.0000**	**3,473.0622**	**3,473.0622**	**0.9010**		**3,495.5883**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.1700e-003	0.0695	0.0229	2.4000e-004	5.9900e-003	8.0000e-005	6.0800e-003	1.7400e-003	8.0000e-005	1.8200e-003		25.5746	25.5746	1.4400e-003		25.6107
Worker	0.0120	7.2900e-003	0.0871	2.9000e-004	0.0309	2.5000e-004	0.0312	8.2500e-003	2.3000e-004	8.4800e-003		28.9741	28.9741	7.1000e-004		28.9917
Total	**0.0142**	**0.0768**	**0.1100**	**5.3000e-004**	**0.0369**	**3.3000e-004**	**0.0372**	**9.9900e-003**	**3.1000e-004**	**0.0103**		**54.5487**	**54.5487**	**2.1500e-003**		**54.6024**

3.32 P4 Building Modernization - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0347	1.1118	0.3664	3.8200e-003	0.1024	1.3400e-003	0.1038	0.0295	1.2800e-003	0.0308		409.1929	409.1929	0.0231		409.7704
Worker	0.1602	0.0972	1.1610	3.8700e-003	0.4471	3.3500e-003	0.4505	0.1186	3.0900e-003	0.1217		386.3215	386.3215	9.4000e-003		386.5565
Total	**0.1949**	**1.2090**	**1.5274**	**7.6900e-003**	**0.5496**	**4.6900e-003**	**0.5542**	**0.1481**	**4.3700e-003**	**0.1524**		**795.5144**	**795.5144**	**0.0325**		**796.3270**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0347	1.1118	0.3664	3.8200e-003	0.0959	1.3400e-003	0.0972	0.0279	1.2800e-003	0.0292		409.1929	409.1929	0.0231		409.7704
Worker	0.1602	0.0972	1.1610	3.8700e-003	0.4121	3.3500e-003	0.4155	0.1100	3.0900e-003	0.1131		386.3215	386.3215	9.4000e-003		386.5565
Total	**0.1949**	**1.2090**	**1.5274**	**7.6900e-003**	**0.5080**	**4.6900e-003**	**0.5127**	**0.1379**	**4.3700e-003**	**0.1422**		**795.5144**	**795.5144**	**0.0325**		**796.3270**

3.33 P4 Modernization 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	8.2079					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
Total	**8.3887**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0320	0.0194	0.2322	7.7000e-004	0.0894	6.7000e-004	0.0901	0.0237	6.2000e-004	0.0243		77.2643	77.2643	1.8800e-003		77.3113
Total	**0.0320**	**0.0194**	**0.2322**	**7.7000e-004**	**0.0894**	**6.7000e-004**	**0.0901**	**0.0237**	**6.2000e-004**	**0.0243**		**77.2643**	**77.2643**	**1.8800e-003**		**77.3113**

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	8.2079					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	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**8.3887**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0320	0.0194	0.2322	7.7000e-004	0.0824	6.7000e-004	0.0831	0.0220	6.2000e-004	0.0226		77.2643	77.2643	1.8800e-003		77.3113
Total	**0.0320**	**0.0194**	**0.2322**	**7.7000e-004**	**0.0824**	**6.7000e-004**	**0.0831**	**0.0220**	**6.2000e-004**	**0.0226**		**77.2643**	**77.2643**	**1.8800e-003**		**77.3113**

3.34 P4 Pave Kindergarten Area - 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		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	3.0182					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.0064**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0364	0.4354	1.4500e-003	0.1677	1.2600e-003	0.1689	0.0445	1.1600e-003	0.0456		144.8706	144.8706	3.5300e-003		144.9587
Total	**0.0601**	**0.0364**	**0.4354**	**1.4500e-003**	**0.1677**	**1.2600e-003**	**0.1689**	**0.0445**	**1.1600e-003**	**0.0456**		**144.8706**	**144.8706**	**3.5300e-003**		**144.9587**

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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963

Paving	3.0182					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.0064**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0364	0.4354	1.4500e-003	0.1546	1.2600e-003	0.1558	0.0413	1.1600e-003	0.0424		144.8706	144.8706	3.5300e-003		144.9587
Total	**0.0601**	**0.0364**	**0.4354**	**1.4500e-003**	**0.1546**	**1.2600e-003**	**0.1558**	**0.0413**	**1.1600e-003**	**0.0424**		**144.8706**	**144.8706**	**3.5300e-003**		**144.9587**

3.35 P4 Kindergarten Architectual 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	10.8682					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

Total	**11.0489**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.0000e-003	2.4300e-003	0.0290	1.0000e-004	0.0112	8.0000e-005	0.0113	2.9600e-003	8.0000e-005	3.0400e-003		9.6580	9.6580	2.4000e-004		9.6639
Total	**4.0000e-003**	**2.4300e-003**	**0.0290**	**1.0000e-004**	**0.0112**	**8.0000e-005**	**0.0113**	**2.9600e-003**	**8.0000e-005**	**3.0400e-003**		**9.6580**	**9.6580**	**2.4000e-004**		**9.6639**

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	10.8682					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	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**11.0489**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.0000e-003	2.4300e-003	0.0290	1.0000e-004	0.0103	8.0000e-005	0.0104	2.7500e-003	8.0000e-005	2.8300e-003		9.6580	9.6580	2.4000e-004		9.6639
Total	**4.0000e-003**	**2.4300e-003**	**0.0290**	**1.0000e-004**	**0.0103**	**8.0000e-005**	**0.0104**	**2.7500e-003**	**8.0000e-005**	**2.8300e-003**		**9.6580**	**9.6580**	**2.4000e-004**		**9.6639**

3.36 P4 Remove Interim Portables - 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	0.3318	3.5043	1.7747	5.7700e-003		0.1458	0.1458		0.1341	0.1341		558.8073	558.8073	0.1807		563.3256
Total	**0.3318**	**3.5043**	**1.7747**	**5.7700e-003**		**0.1458**	**0.1458**		**0.1341**	**0.1341**		**558.8073**	**558.8073**	**0.1807**		**563.3256**

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	0.0321	0.9865	0.3591	4.3200e-003	0.1389	1.8100e-003	0.1407	0.0371	1.7400e-003	0.0388		470.4896	470.4896	0.0325		471.3014
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0120	7.2900e-003	0.0871	2.9000e-004	0.0335	2.5000e-004	0.0338	8.8900e-003	2.3000e-004	9.1200e-003		28.9741	28.9741	7.1000e-004		28.9917
Total	**0.0441**	**0.9938**	**0.4461**	**4.6100e-003**	**0.1725**	**2.0600e-003**	**0.1745**	**0.0460**	**1.9700e-003**	**0.0480**		**499.4637**	**499.4637**	**0.0332**		**500.2931**

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	0.3318	3.5043	1.7747	5.7700e-003		0.1458	0.1458		0.1341	0.1341	0.0000	558.8073	558.8073	0.1807		563.3256
Total	**0.3318**	**3.5043**	**1.7747**	**5.7700e-003**		**0.1458**	**0.1458**		**0.1341**	**0.1341**	**0.0000**	**558.8073**	**558.8073**	**0.1807**		**563.3256**

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	0.0321	0.9865	0.3591	4.3200e-003	0.1287	1.8100e-003	0.1305	0.0346	1.7400e-003	0.0363		470.4896	470.4896	0.0325		471.3014
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0120	7.2900e-003	0.0871	2.9000e-004	0.0309	2.5000e-004	0.0312	8.2500e-003	2.3000e-004	8.4800e-003		28.9741	28.9741	7.1000e-004		28.9917
Total	**0.0441**	**0.9938**	**0.4461**	**4.6100e-003**	**0.1596**	**2.0600e-003**	**0.1617**	**0.0429**	**1.9700e-003**	**0.0448**		**499.4637**	**499.4637**	**0.0332**		**500.2931**

3.36 P4 Remove Interim Portables - 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	0.3128	3.1679	1.7365	5.7700e-003		0.1347	0.1347		0.1239	0.1239		558.8262	558.8262	0.1807		563.3446
Total	**0.3128**	**3.1679**	**1.7365**	**5.7700e-003**		**0.1347**	**0.1347**		**0.1239**	**0.1239**		**558.8262**	**558.8262**	**0.1807**		**563.3446**

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	0.0319	0.9726	0.3614	4.2900e-003	0.2900	1.7900e-003	0.2918	0.0742	1.7100e-003	0.0759		467.9077	467.9077	0.0324		468.7182
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0114	6.6700e-003	0.0808	2.8000e-004	0.0335	2.5000e-004	0.0338	8.8900e-003	2.3000e-004	9.1200e-003		27.8525	27.8525	6.4000e-004		27.8686
Total	**0.0433**	**0.9793**	**0.4422**	**4.5700e-003**	**0.3236**	**2.0400e-003**	**0.3256**	**0.0831**	**1.9400e-003**	**0.0850**		**495.7602**	**495.7602**	**0.0331**		**496.5868**

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	0.3128	3.1679	1.7365	5.7700e-003		0.1347	0.1347		0.1239	0.1239	0.0000	558.8262	558.8262	0.1807		563.3446
Total	**0.3128**	**3.1679**	**1.7365**	**5.7700e-003**		**0.1347**	**0.1347**		**0.1239**	**0.1239**	**0.0000**	**558.8262**	**558.8262**	**0.1807**		**563.3446**

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	0.0319	0.9726	0.3614	4.2900e-003	0.2662	1.7900e-003	0.2680	0.0684	1.7100e-003	0.0701		467.9077	467.9077	0.0324		468.7182
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0114	6.6700e-003	0.0808	2.8000e-004	0.0309	2.5000e-004	0.0312	8.2500e-003	2.3000e-004	8.4800e-003		27.8525	27.8525	6.4000e-004		27.8686
Total	**0.0433**	**0.9793**	**0.4422**	**4.5700e-003**	**0.2971**	**2.0400e-003**	**0.2992**	**0.0766**	**1.9400e-003**	**0.0786**		**495.7602**	**495.7602**	**0.0331**		**496.5868**

3.37 P5 Asphalt 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		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	1.5091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.4243**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Unmitigated Construction Off-Site

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0572	0.0333	0.4040	1.4000e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1300e-003	0.0456		139.2625	139.2625	3.2100e-003		139.3429
Total	**0.0572**	**0.0333**	**0.4040**	**1.4000e-003**	**0.1677**	**1.2300e-003**	**0.1689**	**0.0445**	**1.1300e-003**	**0.0456**		**139.2625**	**139.2625**	**3.2100e-003**		**139.3429**

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	1.5091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.4243**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Mitigated Construction Off-Site

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

Worker	0.0572	0.0333	0.4040	1.4000e-003	0.1546	1.2300e-003	0.1558	0.0413	1.1300e-003	0.0424		139.2625	139.2625	3.2100e-003		139.3429
Total	**0.0572**	**0.0333**	**0.4040**	**1.4000e-003**	**0.1546**	**1.2300e-003**	**0.1558**	**0.0413**	**1.1300e-003**	**0.0424**		**139.2625**	**139.2625**	**3.2100e-003**		**139.3429**

3.38 P5 Finishing/Landscaping - 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	0.3732	3.2784	7.1851	0.0113		0.1465	0.1465		0.1348	0.1348		1,095.1302	1,095.1302	0.3542		1,103.9849
Total	**0.3732**	**3.2784**	**7.1851**	**0.0113**		**0.1465**	**0.1465**		**0.1348**	**0.1348**		**1,095.1302**	**1,095.1302**	**0.3542**		**1,103.9849**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0305	0.0178	0.2155	7.4000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.0000e-004	0.0243		74.2734	74.2734	1.7100e-003		74.3162
Total	**0.0305**	**0.0178**	**0.2155**	**7.4000e-004**	**0.0894**	**6.6000e-004**	**0.0901**	**0.0237**	**6.0000e-004**	**0.0243**		**74.2734**	**74.2734**	**1.7100e-003**		**74.3162**

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	0.3732	3.2784	7.1851	0.0113		0.1465	0.1465		0.1348	0.1348	0.0000	1,095.1302	1,095.1302	0.3542		1,103.9849
Total	**0.3732**	**3.2784**	**7.1851**	**0.0113**		**0.1465**	**0.1465**		**0.1348**	**0.1348**	**0.0000**	**1,095.1302**	**1,095.1302**	**0.3542**		**1,103.9849**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0305	0.0178	0.2155	7.4000e-004	0.0824	6.6000e-004	0.0831	0.0220	6.0000e-004	0.0226		74.2734	74.2734	1.7100e-003		74.3162
Total	**0.0305**	**0.0178**	**0.2155**	**7.4000e-004**	**0.0824**	**6.6000e-004**	**0.0831**	**0.0220**	**6.0000e-004**	**0.0226**		**74.2734**	**74.2734**	**1.7100e-003**		**74.3162**

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Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	86.89	1000sqft	3.00	86,885.00	0
Other Asphalt Surfaces	4.89	Acre	5.50	212,985.00	0
Parking Lot	0.26	Acre	0.26	11,235.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on the project description.

Construction Phase - Based on project description

Off-road Equipment - .

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - .

Off-road Equipment - No additional off-road equipment assumed.

Off-road Equipment - .

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Assumed.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - .

Off-road Equipment -

Off-road Equipment - Assumed

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Assumes no additional off-road equipment

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Assumed

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Assumed

Off-road Equipment -

Off-road Equipment - Assumes no additional off-road equipment.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Assumed

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Assumed based on comparble project.

Trips and VMT - See assumptions for for details.

Demolition -

Architectural Coating - See assumptions file in the AQ/GHG appendix for details.

Vehicle Trips - .

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,443.00	20,834.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,443.00	10,579.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,443.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,443.00	18,559.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,443.00	47,813.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,443.00	4,050.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	130,328.00	62,502.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	130,328.00	31,737.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	130,328.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	130,328.00	55,676.00

tblArchitecturalCoating	ConstArea_Nonresidential_Interior	130,328.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	130,328.00	12,150.00
tblArchitecturalCoating	ConstArea_Parking	13,453.00	0.00
tblArchitecturalCoating	ConstArea_Parking	13,453.00	0.00
tblArchitecturalCoating	ConstArea_Parking	13,453.00	3,561.00
tblArchitecturalCoating	ConstArea_Parking	13,453.00	3,417.00
tblArchitecturalCoating	ConstArea_Parking	13,453.00	0.00
tblArchitecturalCoating	ConstArea_Parking	13,453.00	1,599.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	27.00
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tblConstructionPhase	NumDays	20.00	8.00
tblConstructionPhase	NumDays	230.00	213.00
tblConstructionPhase	NumDays	230.00	213.00
tblConstructionPhase	NumDays	230.00	107.00
tblConstructionPhase	NumDays	230.00	107.00
tblConstructionPhase	NumDays	230.00	159.00

tblConstructionPhase	NumDays	230.00	159.00
tblConstructionPhase	NumDays	20.00	19.00
tblConstructionPhase	NumDays	20.00	11.00
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tblConstructionPhase	NumDays	20.00	4.00
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tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	20.00	2.00
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tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	20.00	5.00
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tblLandUse	LandUseSquareFeet	86,890.00	86,885.00
tblLandUse	LandUseSquareFeet	213,008.40	212,985.00
tblLandUse	LandUseSquareFeet	11,325.60	11,235.00
tblLandUse	LotAcreage	1.99	3.00
tblLandUse	LotAcreage	4.89	5.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	HaulingTripNumber	111.00	112.00
tblTripsAndVMT	HaulingTripNumber	0.00	52.00
tblTripsAndVMT	HaulingTripNumber	0.00	12.00
tblTripsAndVMT	HaulingTripNumber	169.00	170.00
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tblTripsAndVMT	HaulingTripNumber	0.00	24.00
tblTripsAndVMT	VendorTripNumber	51.00	6.00
tblTripsAndVMT	VendorTripNumber	51.00	4.00
tblTripsAndVMT	VendorTripNumber	51.00	1.00
tblTripsAndVMT	VendorTripNumber	51.00	16.00
tblTripsAndVMT	VendorTripNumber	51.00	7.00
tblTripsAndVMT	VendorTripNumber	51.00	7.00
tblTripsAndVMT	WorkerTripNumber	131.00	16.00
tblTripsAndVMT	WorkerTripNumber	131.00	9.00
tblTripsAndVMT	WorkerTripNumber	26.00	3.00
tblTripsAndVMT	WorkerTripNumber	131.00	3.00
tblTripsAndVMT	WorkerTripNumber	131.00	40.00

tblTripsAndVMT	WorkerTripNumber	26.00	8.00
tblTripsAndVMT	WorkerTripNumber	26.00	1.00
tblTripsAndVMT	WorkerTripNumber	131.00	18.00
tblTripsAndVMT	WorkerTripNumber	131.00	18.00
tblTripsAndVMT	WorkerTripNumber	26.00	4.00
tblTripsAndVMT	WorkerTripNumber	26.00	2.00
tblVehicleTrips	WD_TR	15.43	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1534	1.4432	1.3030	2.5800e-003	0.0512	0.0707	0.1219	0.0183	0.0661	0.0845	0.0000	226.8109	226.8109	0.0509	0.0000	228.0843
2022	0.3086	1.0404	1.0485	2.0000e-003	0.0592	0.0491	0.1083	0.0209	0.0459	0.0668	0.0000	176.0357	176.0357	0.0405	0.0000	177.0483
2023	0.1110	1.0261	1.0866	2.1300e-003	0.0771	0.0465	0.1235	0.0282	0.0435	0.0717	0.0000	187.0582	187.0582	0.0420	0.0000	188.1079
2024	0.5177	2.0963	2.5290	5.1300e-003	0.0737	0.0895	0.1632	0.0204	0.0840	0.1044	0.0000	449.7550	449.7550	0.0976	0.0000	452.1943
2025	0.0149	0.0658	0.1153	2.0000e-004	1.7400e-003	3.0400e-003	4.7700e-003	4.6000e-004	2.8000e-003	3.2500e-003	0.0000	17.4039	17.4039	5.1600e-003	0.0000	17.5328
Maximum	**0.5177**	**2.0963**	**2.5290**	**5.1300e-003**	**0.0771**	**0.0895**	**0.1632**	**0.0282**	**0.0840**	**0.1044**	**0.0000**	**449.7550**	**449.7550**	**0.0976**	**0.0000**	**452.1943**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1534	1.4432	1.3030	2.5800e-003	0.0362	0.0707	0.1068	0.0117	0.0661	0.0779	0.0000	226.8107	226.8107	0.0509	0.0000	228.0841
2022	0.3086	1.0404	1.0485	2.0000e-003	0.0357	0.0491	0.0848	0.0118	0.0459	0.0576	0.0000	176.0355	176.0355	0.0405	0.0000	177.0481
2023	0.1110	1.0261	1.0866	2.1300e-003	0.0426	0.0465	0.0891	0.0147	0.0435	0.0582	0.0000	187.0580	187.0580	0.0420	0.0000	188.1077
2024	0.5177	2.0963	2.5290	5.1300e-003	0.0603	0.0895	0.1499	0.0166	0.0840	0.1006	0.0000	449.7546	449.7546	0.0976	0.0000	452.1939
2025	0.0149	0.0658	0.1153	2.0000e-004	1.6000e-003	3.0400e-003	4.6400e-003	4.2000e-004	2.8000e-003	3.2200e-003	0.0000	17.4039	17.4039	5.1600e-003	0.0000	17.5328
Maximum	**0.5177**	**2.0963**	**2.5290**	**5.1300e-003**	**0.0603**	**0.0895**	**0.1499**	**0.0166**	**0.0840**	**0.1006**	**0.0000**	**449.7546**	**449.7546**	**0.0976**	**0.0000**	**452.1939**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**32.87**	**0.00**	**16.57**	**37.44**	**0.00**	**10.01**	**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	**7-1-2021**	**9-30-2021**	0.8591	0.8591
2	**10-1-2021**	**12-31-2021**	0.6908	0.6908
3	**1-1-2022**	**3-31-2022**	0.7418	0.7418
4	**4-1-2022**	**6-30-2022**	0.4368	0.4368
5	**7-1-2022**	**9-30-2022**	0.1523	0.1523
9	**7-1-2023**	**9-30-2023**	0.5794	0.5794
10	**10-1-2023**	**12-31-2023**	0.5536	0.5536
11	**1-1-2024**	**3-31-2024**	0.5133	0.5133

12	**4-1-2024**	**6-30-2024**	0.7000	0.7000
13	**7-1-2024**	**9-30-2024**	0.6279	0.6279
14	**10-1-2024**	**12-31-2024**	0.7439	0.7439
15	**1-1-2025**	**3-31-2025**	0.0788	0.0788
		Highest	0.8591	0.8591

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P1 Site Preparation	Site Preparation	7/1/2021	7/2/2021	5	2	
2	P1 Utility Trenching	Trenching	7/5/2021	9/3/2021	5	45	
3	P1 Portables Installation	Trenching	7/5/2021	7/16/2021	5	10	
4	P1 Portables Removal	Trenching	7/19/2021	7/23/2021	5	5	
5	P1 Handball Ct Demolition	Demolition	7/26/2021	8/16/2021	5	16	
6	P1 Building Construction	Building Construction	8/17/2021	3/25/2022	5	159	
7	P1 Building Modernization	Building Construction	8/17/2021	3/25/2022	5	159	
8	P1 Architectural Coating-Secondary Bldg	Architectural Coating	3/16/2022	3/25/2022	5	8	
9	P1 Architectural Coating - Modernization	Architectural Coating	3/16/2022	3/25/2022	5	8	
10	P2 Classroom Bldg Demo	Demolition	4/1/2022	4/28/2022	5	20	
11	P2 Portables Removal	Trenching	4/29/2022	5/12/2022	5	10	
12	P2 Rough Grading	Grading	5/13/2022	5/18/2022	5	4	
13	P2 Utility Trenching	Trenching	5/19/2022	7/20/2022	5	45	
14	P2 Fine Grading	Grading	7/21/2022	7/26/2022	5	4	
15	P2 Construct Hardcourts	Paving	7/27/2022	8/9/2022	5	10	
16	P2 Architectural Coating	Architectural Coating	8/10/2022	8/10/2022	5	1	
17	P3 Portables Removal	Trenching	7/3/2023	7/5/2023	5	3	

18	P3 Tennis Courts Demolition	Demolition	7/6/2023	8/1/2023	5	19	
19	P3 Rough Grading	Grading	8/2/2023	8/9/2023	5	6	
20	P3 Utility Trenching	Trenching	8/10/2023	8/18/2023	5	7	
21	P3 Fine Grading	Grading	8/21/2023	8/28/2023	5	6	
22	P3 Building Construction	Building Construction	8/29/2023	6/20/2024	5	213	
23	P3 Building Modernization	Building Construction	8/29/2023	6/20/2024	5	213	
24	P3 Parking Lot	Paving	6/14/2024	6/27/2024	5	10	
25	P3 Pave ES Play Area	Paving	6/14/2024	6/27/2024	5	10	
26	P3 Architectural Coating	Architectural Coating	6/14/2024	6/27/2024	5	10	
27	P4 Secondary Area Demolition	Demolition	7/1/2024	7/15/2024	5	11	
28	P4 Rough Grading	Grading	7/16/2024	7/17/2024	5	2	
29	P4 Repaving	Paving	7/18/2024	7/24/2024	5	5	
30	P4 Building Construction	Building Construction	7/25/2024	12/20/2024	5	107	
31	P4 Building Modernization	Building Construction	7/25/2024	12/20/2024	5	107	
32	P4 Modernization Architectural Coating	Architectural Coating	11/20/2024	12/26/2024	5	27	
33	P4 Pave Kindergarten Area	Paving	12/19/2024	12/25/2024	5	5	
34	P4 Kindergarten Architectual Coating	Architectural Coating	12/19/2024	12/25/2024	5	5	
35	P4 Remove Interim Portables	Trenching	12/23/2024	1/3/2025	5	10	
36	P5 Asphalt Paving	Paving	1/1/2025	1/14/2025	5	10	
37	P5 Finishing/Landscaping	Trenching	1/16/2025	1/29/2025	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.76

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 62,502; Non-Residential Outdoor: 20,834; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
P1 Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
P1 Utility Trenching	Bore/Drill Rigs	1	8.00	221	0.50
P1 Utility Trenching	Excavators	1	8.00	158	0.38
P1 Utility Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P1 Portables Installation	Cranes	1	8.00	231	0.29
P1 Portables Removal	Cranes	1	8.00	231	0.29
P1 Handball Ct Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
P1 Handball Ct Demolition	Excavators	3	8.00	158	0.38
P1 Handball Ct Demolition	Rubber Tired Dozers	2	8.00	247	0.40
P1 Building Construction	Cranes	1	7.00	231	0.29
P1 Building Construction	Forklifts	3	8.00	89	0.20
P1 Building Construction	Generator Sets	1	8.00	84	0.74
P1 Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
P1 Building Construction	Welders	1	8.00	46	0.45
P1 Building Modernization	Cranes	0	7.00	231	0.29
P1 Building Modernization	Forklifts	0	8.00	89	0.20
P1 Building Modernization	Generator Sets	0	8.00	84	0.74
P1 Building Modernization	Tractors/Loaders/Backhoes	0	7.00	97	0.37
P1 Building Modernization	Welders	0	8.00	46	0.45
P1 Architectural Coating-Secondary Bldg	Air Compressors	1	6.00	78	0.48
P1 Architectural Coating - Modernization	Air Compressors	1	6.00	78	0.48
P2 Classroom Bldg Demo	Concrete/Industrial Saws	1	8.00	81	0.73
P2 Classroom Bldg Demo	Excavators	3	8.00	158	0.38
P2 Classroom Bldg Demo	Rubber Tired Dozers	2	8.00	247	0.40

P2 Portables Removal	Cranes	1	8.00	231	0.29
P2 Rough Grading	Excavators	1	8.00	158	0.38
P2 Rough Grading	Graders	1	8.00	187	0.41
P2 Rough Grading	Rubber Tired Dozers	1	8.00	247	0.40
P2 Rough Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P2 Utility Trenching	Excavators	1	8.00	158	0.38
P2 Utility Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P2 Fine Grading	Excavators	1	8.00	158	0.38
P2 Fine Grading	Graders	1	8.00	187	0.41
P2 Fine Grading	Rubber Tired Dozers	1	8.00	247	0.40
P2 Fine Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P2 Construct Hardcourts	Pavers	2	8.00	130	0.42
P2 Construct Hardcourts	Paving Equipment	2	8.00	132	0.36
P2 Construct Hardcourts	Rollers	2	8.00	80	0.38
P2 Architectural Coating	Air Compressors	1	6.00	78	0.48
P3 Portables Removal	Cranes	1	8.00	231	0.29
P3 Tennis Courts Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
P3 Tennis Courts Demolition	Excavators	3	8.00	158	0.38
P3 Tennis Courts Demolition	Rubber Tired Dozers	2	8.00	247	0.40
P3 Rough Grading	Excavators	1	8.00	158	0.38
P3 Rough Grading	Graders	1	8.00	187	0.41
P3 Rough Grading	Rubber Tired Dozers	1	8.00	247	0.40
P3 Rough Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P3 Utility Trenching	Bore/Drill Rigs	1	8.00	221	0.50
P3 Utility Trenching	Excavators	1	8.00	158	0.38
P3 Utility Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P3 Fine Grading	Excavators	1	8.00	158	0.38

P3 Fine Grading	Graders	1	8.00	187	0.41
P3 Fine Grading	Rubber Tired Dozers	1	8.00	247	0.40
P3 Fine Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P3 Building Construction	Cranes	1	7.00	231	0.29
P3 Building Construction	Forklifts	3	8.00	89	0.20
P3 Building Construction	Generator Sets	1	8.00	84	0.74
P3 Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
P3 Building Construction	Welders	1	8.00	46	0.45
P3 Building Modernization	Cranes	0	7.00	231	0.29
P3 Building Modernization	Forklifts	0	8.00	89	0.20
P3 Building Modernization	Generator Sets	0	8.00	84	0.74
P3 Building Modernization	Tractors/Loaders/Backhoes	0	7.00	97	0.37
P3 Building Modernization	Welders	0	8.00	46	0.45
P3 Parking Lot	Pavers	2	8.00	130	0.42
P3 Parking Lot	Paving Equipment	2	8.00	132	0.36
P3 Parking Lot	Rollers	2	8.00	80	0.38
P3 Pave ES Play Area	Pavers	2	8.00	130	0.42
P3 Pave ES Play Area	Paving Equipment	2	8.00	132	0.36
P3 Pave ES Play Area	Rollers	2	8.00	80	0.38
P3 Architectural Coating	Air Compressors	1	6.00	78	0.48
P4 Secondary Area Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
P4 Secondary Area Demolition	Excavators	3	8.00	158	0.38
P4 Secondary Area Demolition	Rubber Tired Dozers	2	8.00	247	0.40
P4 Rough Grading	Excavators	1	8.00	158	0.38
P4 Rough Grading	Graders	1	8.00	187	0.41
P4 Rough Grading	Rubber Tired Dozers	1	8.00	247	0.40
P4 Rough Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37

P4 Repaving	Pavers	2	8.00	130	0.42
P4 Repaving	Paving Equipment	2	8.00	132	0.36
P4 Repaving	Rollers	2	8.00	80	0.38
P4 Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
P4 Building Construction	Cranes	1	7.00	231	0.29
P4 Building Construction	Forklifts	3	8.00	89	0.20
P4 Building Construction	Generator Sets	1	8.00	84	0.74
P4 Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
P4 Building Construction	Welders	1	8.00	46	0.45
P4 Building Modernization	Cranes	0	7.00	231	0.29
P4 Building Modernization	Forklifts	0	8.00	89	0.20
P4 Building Modernization	Generator Sets	0	8.00	84	0.74
P4 Building Modernization	Tractors/Loaders/Backhoes	0	7.00	97	0.37
P4 Building Modernization	Welders	0	8.00	46	0.45
P4 Modernization Architectural Coating	Air Compressors	1	6.00	78	0.48
P4 Pave Kindergarten Area	Pavers	2	8.00	130	0.42
P4 Pave Kindergarten Area	Paving Equipment	2	8.00	132	0.36
P4 Pave Kindergarten Area	Rollers	2	8.00	80	0.38
P4 Kindergarten Architectual Coating	Air Compressors	1	6.00	78	0.48
P4 Remove Interim Portables	Cranes	1	8.00	231	0.29
P5 Asphalt Paving	Pavers	2	8.00	130	0.42
P5 Asphalt Paving	Paving Equipment	2	8.00	132	0.36
P5 Asphalt Paving	Rollers	2	8.00	80	0.38
P5 Finishing/Landscaping	Excavators	1	8.00	158	0.38
P5 Finishing/Landscaping	Paving Equipment	1	8.00	132	0.36
P5 Finishing/Landscaping	Skid Steer Loaders	1	8.00	65	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
P1 Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Utility Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Portables Installation	1	3.00	0.00	60.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Portables Removal	1	3.00	0.00	24.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Handball Ct Demolition	6	15.00	0.00	41.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Building Construction	9	18.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Building Modernization	0	18.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Architectural Coating-Secondary	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P1 Architectural Coating -	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P2 Classroom Bldg Demo	6	15.00	0.00	112.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P2 Portables Removal	1	3.00	0.00	52.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P2 Rough Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P2 Utility Trenching	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P2 Fine Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P2 Construct Hardcourts	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P2 Architectural Coating	1	26.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Portables Removal	1	3.00	0.00	12.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Tennis Courts Demolition	6	15.00	0.00	170.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Rough Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Utility Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Fine Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Building Construction	9	16.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Building Modernization	0	9.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Parking Lot	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P3 Pave ES Play Area	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

P3 Architectural Coating	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Secondary Area Demolition	6	15.00	0.00	84.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Rough Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Repaving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Building Construction	10	3.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Building Modernization	0	40.00	16.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Modernization Architectural Coating	1	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Pave Kindergarten Area	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Kindergarten Architectual Coating	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P4 Remove Interim Portables	1	3.00	0.00	60.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P5 Asphalt Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
P5 Finishing/Landscaping	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 P1 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0181	0.0000	0.0181	9.9300e-003	0.0000	9.9300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8900e-003	0.0405	0.0212	4.0000e-005		2.0400e-003	2.0400e-003		1.8800e-003	1.8800e-003	0.0000	3.3436	3.3436	1.0800e-003	0.0000	3.3706
Total	**3.8900e-003**	**0.0405**	**0.0212**	**4.0000e-005**	**0.0181**	**2.0400e-003**	**0.0201**	**9.9300e-003**	**1.8800e-003**	**0.0118**	**0.0000**	**3.3436**	**3.3436**	**1.0800e-003**	**0.0000**	**3.3706**

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	8.0000e-005	6.0000e-005	6.8000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1780	0.1780	1.0000e-005	0.0000	0.1781
Total	**8.0000e-005**	**6.0000e-005**	**6.8000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1780**	**0.1780**	**1.0000e-005**	**0.0000**	**0.1781**

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					7.7200e-003	0.0000	7.7200e-003	4.2500e-003	0.0000	4.2500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8900e-003	0.0405	0.0212	4.0000e-005		2.0400e-003	2.0400e-003		1.8800e-003	1.8800e-003	0.0000	3.3436	3.3436	1.0800e-003	0.0000	3.3706
Total	**3.8900e-003**	**0.0405**	**0.0212**	**4.0000e-005**	**7.7200e-003**	**2.0400e-003**	**9.7600e-003**	**4.2500e-003**	**1.8800e-003**	**6.1300e-003**	**0.0000**	**3.3436**	**3.3436**	**1.0800e-003**	**0.0000**	**3.3706**

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	8.0000e-005	6.0000e-005	6.8000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1780	0.1780	1.0000e-005	0.0000	0.1781
Total	**8.0000e-005**	**6.0000e-005**	**6.8000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1780**	**0.1780**	**1.0000e-005**	**0.0000**	**0.1781**

3.3 P1 Utility Trenching - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0152	0.1591	0.1711	4.0000e-004		6.9300e-003	6.9300e-003		6.3700e-003	6.3700e-003	0.0000	34.9683	34.9683	0.0113	0.0000	35.2511
Total	**0.0152**	**0.1591**	**0.1711**	**4.0000e-004**		**6.9300e-003**	**6.9300e-003**		**6.3700e-003**	**6.3700e-003**	**0.0000**	**34.9683**	**34.9683**	**0.0113**	**0.0000**	**35.2511**

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	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814
Total	**7.7000e-004**	**6.0000e-004**	**6.8100e-003**	**2.0000e-005**	**1.9700e-003**	**2.0000e-005**	**1.9900e-003**	**5.2000e-004**	**1.0000e-005**	**5.4000e-004**	**0.0000**	**1.7801**	**1.7801**	**5.0000e-005**	**0.0000**	**1.7814**

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	0.0152	0.1591	0.1711	4.0000e-004		6.9300e-003	6.9300e-003		6.3700e-003	6.3700e-003	0.0000	34.9683	34.9683	0.0113	0.0000	35.2510
Total	**0.0152**	**0.1591**	**0.1711**	**4.0000e-004**		**6.9300e-003**	**6.9300e-003**		**6.3700e-003**	**6.3700e-003**	**0.0000**	**34.9683**	**34.9683**	**0.0113**	**0.0000**	**35.2510**

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	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.8200e-003	2.0000e-005	1.8300e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814
Total	**7.7000e-004**	**6.0000e-004**	**6.8100e-003**	**2.0000e-005**	**1.8200e-003**	**2.0000e-005**	**1.8300e-003**	**4.9000e-004**	**1.0000e-005**	**5.0000e-004**	**0.0000**	**1.7801**	**1.7801**	**5.0000e-005**	**0.0000**	**1.7814**

3.4 P1 Portables Installation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.0600e-003	0.0243	9.9100e-003	3.0000e-005		9.8000e-004	9.8000e-004		9.1000e-004	9.1000e-004	0.0000	2.5344	2.5344	8.2000e-004	0.0000	2.5549
Total	**2.0600e-003**	**0.0243**	**9.9100e-003**	**3.0000e-005**		**9.8000e-004**	**9.8000e-004**		**9.1000e-004**	**9.1000e-004**	**0.0000**	**2.5344**	**2.5344**	**8.2000e-004**	**0.0000**	**2.5549**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.5000e-004	8.3000e-003	1.9400e-003	2.0000e-005	5.2000e-004	2.0000e-005	5.4000e-004	1.4000e-004	2.0000e-005	1.7000e-004	0.0000	2.2869	2.2869	1.6000e-004	0.0000	2.2909
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	6.0000e-005	5.0000e-005	5.7000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1483	0.1483	0.0000	0.0000	0.1485
Total	**3.1000e-004**	**8.3500e-003**	**2.5100e-003**	**2.0000e-005**	**6.8000e-004**	**2.0000e-005**	**7.1000e-004**	**1.8000e-004**	**2.0000e-005**	**2.1000e-004**	**0.0000**	**2.4352**	**2.4352**	**1.6000e-004**	**0.0000**	**2.4393**

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	2.0600e-003	0.0243	9.9100e-003	3.0000e-005		9.8000e-004	9.8000e-004		9.1000e-004	9.1000e-004	0.0000	2.5344	2.5344	8.2000e-004	0.0000	2.5549
Total	**2.0600e-003**	**0.0243**	**9.9100e-003**	**3.0000e-005**		**9.8000e-004**	**9.8000e-004**		**9.1000e-004**	**9.1000e-004**	**0.0000**	**2.5344**	**2.5344**	**8.2000e-004**	**0.0000**	**2.5549**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.5000e-004	8.3000e-003	1.9400e-003	2.0000e-005	4.8000e-004	2.0000e-005	5.1000e-004	1.3000e-004	2.0000e-005	1.6000e-004	0.0000	2.2869	2.2869	1.6000e-004	0.0000	2.2909
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	6.0000e-005	5.0000e-005	5.7000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1483	0.1483	0.0000	0.0000	0.1485
Total	**3.1000e-004**	**8.3500e-003**	**2.5100e-003**	**2.0000e-005**	**6.3000e-004**	**2.0000e-005**	**6.6000e-004**	**1.7000e-004**	**2.0000e-005**	**2.0000e-004**	**0.0000**	**2.4352**	**2.4352**	**1.6000e-004**	**0.0000**	**2.4393**

3.5 P1 Portables Removal - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0300e-003	0.0121	4.9600e-003	1.0000e-005		4.9000e-004	4.9000e-004		4.5000e-004	4.5000e-004	0.0000	1.2672	1.2672	4.1000e-004	0.0000	1.2774
Total	**1.0300e-003**	**0.0121**	**4.9600e-003**	**1.0000e-005**		**4.9000e-004**	**4.9000e-004**		**4.5000e-004**	**4.5000e-004**	**0.0000**	**1.2672**	**1.2672**	**4.1000e-004**	**0.0000**	**1.2774**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-004	3.3200e-003	7.7000e-004	1.0000e-005	2.1000e-004	1.0000e-005	2.2000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.9148	0.9148	6.0000e-005	0.0000	0.9163
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	3.0000e-005	3.0000e-005	2.8000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0742	0.0742	0.0000	0.0000	0.0742
Total	**1.3000e-004**	**3.3500e-003**	**1.0500e-003**	**1.0000e-005**	**2.9000e-004**	**1.0000e-005**	**3.0000e-004**	**8.0000e-005**	**1.0000e-005**	**9.0000e-005**	**0.0000**	**0.9889**	**0.9889**	**6.0000e-005**	**0.0000**	**0.9906**

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	1.0300e-003	0.0121	4.9600e-003	1.0000e-005		4.9000e-004	4.9000e-004		4.5000e-004	4.5000e-004	0.0000	1.2672	1.2672	4.1000e-004	0.0000	1.2774
Total	**1.0300e-003**	**0.0121**	**4.9600e-003**	**1.0000e-005**		**4.9000e-004**	**4.9000e-004**		**4.5000e-004**	**4.5000e-004**	**0.0000**	**1.2672**	**1.2672**	**4.1000e-004**	**0.0000**	**1.2774**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-004	3.3200e-003	7.7000e-004	1.0000e-005	1.9000e-004	1.0000e-005	2.0000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.9148	0.9148	6.0000e-005	0.0000	0.9163
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	3.0000e-005	3.0000e-005	2.8000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0742	0.0742	0.0000	0.0000	0.0742
Total	**1.3000e-004**	**3.3500e-003**	**1.0500e-003**	**1.0000e-005**	**2.7000e-004**	**1.0000e-005**	**2.8000e-004**	**7.0000e-005**	**1.0000e-005**	**8.0000e-005**	**0.0000**	**0.9889**	**0.9889**	**6.0000e-005**	**0.0000**	**0.9906**

3.6 P1 Handball Ct Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.4300e-003	0.0000	4.4300e-003	6.7000e-004	0.0000	6.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0253	0.2515	0.1725	3.1000e-004		0.0124	0.0124		0.0115	0.0115	0.0000	27.2006	27.2006	7.6600e-003	0.0000	27.3920
Total	**0.0253**	**0.2515**	**0.1725**	**3.1000e-004**	**4.4300e-003**	**0.0124**	**0.0168**	**6.7000e-004**	**0.0115**	**0.0122**	**0.0000**	**27.2006**	**27.2006**	**7.6600e-003**	**0.0000**	**27.3920**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7000e-004	5.6700e-003	1.3200e-003	2.0000e-005	3.5000e-004	2.0000e-005	3.7000e-004	1.0000e-004	2.0000e-005	1.1000e-004	0.0000	1.5627	1.5627	1.1000e-004	0.0000	1.5654
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	5.2000e-004	4.0000e-004	4.5400e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1867	1.1867	3.0000e-005	0.0000	1.1876
Total	**6.9000e-004**	**6.0700e-003**	**5.8600e-003**	**3.0000e-005**	**1.6600e-003**	**3.0000e-005**	**1.7000e-003**	**4.5000e-004**	**3.0000e-005**	**4.7000e-004**	**0.0000**	**2.7494**	**2.7494**	**1.4000e-004**	**0.0000**	**2.7530**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.8900e-003	0.0000	1.8900e-003	2.9000e-004	0.0000	2.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0253	0.2515	0.1725	3.1000e-004		0.0124	0.0124		0.0115	0.0115	0.0000	27.2006	27.2006	7.6600e-003	0.0000	27.3920
Total	**0.0253**	**0.2515**	**0.1725**	**3.1000e-004**	**1.8900e-003**	**0.0124**	**0.0143**	**2.9000e-004**	**0.0115**	**0.0118**	**0.0000**	**27.2006**	**27.2006**	**7.6600e-003**	**0.0000**	**27.3920**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7000e-004	5.6700e-003	1.3200e-003	2.0000e-005	3.3000e-004	2.0000e-005	3.5000e-004	9.0000e-005	2.0000e-005	1.1000e-004	0.0000	1.5627	1.5627	1.1000e-004	0.0000	1.5654
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	5.2000e-004	4.0000e-004	4.5400e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.1867	1.1867	3.0000e-005	0.0000	1.1876
Total	**6.9000e-004**	**6.0700e-003**	**5.8600e-003**	**3.0000e-005**	**1.5400e-003**	**3.0000e-005**	**1.5700e-003**	**4.1000e-004**	**3.0000e-005**	**4.4000e-004**	**0.0000**	**2.7494**	**2.7494**	**1.4000e-004**	**0.0000**	**2.7530**

3.7 P1 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0941	0.8629	0.8205	1.3300e-003		0.0475	0.0475		0.0446	0.0446	0.0000	114.6605	114.6605	0.0277	0.0000	115.3520
Total	**0.0941**	**0.8629**	**0.8205**	**1.3300e-003**		**0.0475**	**0.0475**		**0.0446**	**0.0446**	**0.0000**	**114.6605**	**114.6605**	**0.0277**	**0.0000**	**115.3520**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0800e-003	0.0342	9.2700e-003	9.0000e-005	2.1800e-003	7.0000e-005	2.2500e-003	6.3000e-004	7.0000e-005	7.0000e-004	0.0000	8.5411	8.5411	5.2000e-004	0.0000	8.5542
Worker	3.8300e-003	2.9800e-003	0.0337	1.0000e-004	9.7600e-003	8.0000e-005	9.8400e-003	2.5900e-003	7.0000e-005	2.6700e-003	0.0000	8.8113	8.8113	2.6000e-004	0.0000	8.8177
Total	**4.9100e-003**	**0.0372**	**0.0430**	**1.9000e-004**	**0.0119**	**1.5000e-004**	**0.0121**	**3.2200e-003**	**1.4000e-004**	**3.3700e-003**	**0.0000**	**17.3524**	**17.3524**	**7.8000e-004**	**0.0000**	**17.3719**

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	0.0941	0.8629	0.8205	1.3300e-003		0.0475	0.0475		0.0446	0.0446	0.0000	114.6603	114.6603	0.0277	0.0000	115.3519
Total	**0.0941**	**0.8629**	**0.8205**	**1.3300e-003**		**0.0475**	**0.0475**		**0.0446**	**0.0446**	**0.0000**	**114.6603**	**114.6603**	**0.0277**	**0.0000**	**115.3519**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0800e-003	0.0342	9.2700e-003	9.0000e-005	2.0400e-003	7.0000e-005	2.1100e-003	6.0000e-004	7.0000e-005	6.6000e-004	0.0000	8.5411	8.5411	5.2000e-004	0.0000	8.5542
Worker	3.8300e-003	2.9800e-003	0.0337	1.0000e-004	9.0000e-003	8.0000e-005	9.0800e-003	2.4100e-003	7.0000e-005	2.4800e-003	0.0000	8.8113	8.8113	2.6000e-004	0.0000	8.8177
Total	**4.9100e-003**	**0.0372**	**0.0430**	**1.9000e-004**	**0.0110**	**1.5000e-004**	**0.0112**	**3.0100e-003**	**1.4000e-004**	**3.1400e-003**	**0.0000**	**17.3524**	**17.3524**	**7.8000e-004**	**0.0000**	**17.3719**

3.7 P1 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0512	0.4685	0.4909	8.1000e-004		0.0243	0.0243		0.0228	0.0228	0.0000	69.5176	69.5176	0.0167	0.0000	69.9339
Total	**0.0512**	**0.4685**	**0.4909**	**8.1000e-004**		**0.0243**	**0.0243**		**0.0228**	**0.0228**	**0.0000**	**69.5176**	**69.5176**	**0.0167**	**0.0000**	**69.9339**

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	6.1000e-004	0.0197	5.3200e-003	5.0000e-005	1.3200e-003	4.0000e-005	1.3600e-003	3.8000e-004	4.0000e-005	4.2000e-004	0.0000	5.1310	5.1310	3.1000e-004	0.0000	5.1386
Worker	2.1800e-003	1.6300e-003	0.0188	6.0000e-005	5.9200e-003	5.0000e-005	5.9600e-003	1.5700e-003	4.0000e-005	1.6200e-003	0.0000	5.1524	5.1524	1.4000e-004	0.0000	5.1560
Total	**2.7900e-003**	**0.0213**	**0.0241**	**1.1000e-004**	**7.2400e-003**	**9.0000e-005**	**7.3200e-003**	**1.9500e-003**	**8.0000e-005**	**2.0400e-003**	**0.0000**	**10.2834**	**10.2834**	**4.5000e-004**	**0.0000**	**10.2946**

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	0.0512	0.4685	0.4909	8.1000e-004		0.0243	0.0243		0.0228	0.0228	0.0000	69.5175	69.5175	0.0167	0.0000	69.9339
Total	**0.0512**	**0.4685**	**0.4909**	**8.1000e-004**		**0.0243**	**0.0243**		**0.0228**	**0.0228**	**0.0000**	**69.5175**	**69.5175**	**0.0167**	**0.0000**	**69.9339**

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	6.1000e-004	0.0197	5.3200e-003	5.0000e-005	1.2400e-003	4.0000e-005	1.2800e-003	3.6000e-004	4.0000e-005	4.0000e-004	0.0000	5.1310	5.1310	3.1000e-004	0.0000	5.1386
Worker	2.1800e-003	1.6300e-003	0.0188	6.0000e-005	5.4600e-003	5.0000e-005	5.5000e-003	1.4600e-003	4.0000e-005	1.5000e-003	0.0000	5.1524	5.1524	1.4000e-004	0.0000	5.1560
Total	**2.7900e-003**	**0.0213**	**0.0241**	**1.1000e-004**	**6.7000e-003**	**9.0000e-005**	**6.7800e-003**	**1.8200e-003**	**8.0000e-005**	**1.9000e-003**	**0.0000**	**10.2834**	**10.2834**	**4.5000e-004**	**0.0000**	**10.2946**

3.8 P1 Building Modernization - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0800e-003	0.0342	9.2700e-003	9.0000e-005	2.1800e-003	7.0000e-005	2.2500e-003	6.3000e-004	7.0000e-005	7.0000e-004	0.0000	8.5411	8.5411	5.2000e-004	0.0000	8.5542
Worker	3.8300e-003	2.9800e-003	0.0337	1.0000e-004	9.7600e-003	8.0000e-005	9.8400e-003	2.5900e-003	7.0000e-005	2.6700e-003	0.0000	8.8113	8.8113	2.6000e-004	0.0000	8.8177
Total	**4.9100e-003**	**0.0372**	**0.0430**	**1.9000e-004**	**0.0119**	**1.5000e-004**	**0.0121**	**3.2200e-003**	**1.4000e-004**	**3.3700e-003**	**0.0000**	**17.3524**	**17.3524**	**7.8000e-004**	**0.0000**	**17.3719**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0800e-003	0.0342	9.2700e-003	9.0000e-005	2.0400e-003	7.0000e-005	2.1100e-003	6.0000e-004	7.0000e-005	6.6000e-004	0.0000	8.5411	8.5411	5.2000e-004	0.0000	8.5542
Worker	3.8300e-003	2.9800e-003	0.0337	1.0000e-004	9.0000e-003	8.0000e-005	9.0800e-003	2.4100e-003	7.0000e-005	2.4800e-003	0.0000	8.8113	8.8113	2.6000e-004	0.0000	8.8177
Total	**4.9100e-003**	**0.0372**	**0.0430**	**1.9000e-004**	**0.0110**	**1.5000e-004**	**0.0112**	**3.0100e-003**	**1.4000e-004**	**3.1400e-003**	**0.0000**	**17.3524**	**17.3524**	**7.8000e-004**	**0.0000**	**17.3719**

3.8 P1 Building Modernization - 2022

Unmitigated Construction On-Site

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

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	6.1000e-004	0.0197	5.3200e-003	5.0000e-005	1.3200e-003	4.0000e-005	1.3600e-003	3.8000e-004	4.0000e-005	4.2000e-004	0.0000	5.1310	5.1310	3.1000e-004	0.0000	5.1386
Worker	2.1800e-003	1.6300e-003	0.0188	6.0000e-005	5.9200e-003	5.0000e-005	5.9600e-003	1.5700e-003	4.0000e-005	1.6200e-003	0.0000	5.1524	5.1524	1.4000e-004	0.0000	5.1560
Total	**2.7900e-003**	**0.0213**	**0.0241**	**1.1000e-004**	**7.2400e-003**	**9.0000e-005**	**7.3200e-003**	**1.9500e-003**	**8.0000e-005**	**2.0400e-003**	**0.0000**	**10.2834**	**10.2834**	**4.5000e-004**	**0.0000**	**10.2946**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.1000e-004	0.0197	5.3200e-003	5.0000e-005	1.2400e-003	4.0000e-005	1.2800e-003	3.6000e-004	4.0000e-005	4.0000e-004	0.0000	5.1310	5.1310	3.1000e-004	0.0000	5.1386
Worker	2.1800e-003	1.6300e-003	0.0188	6.0000e-005	5.4600e-003	5.0000e-005	5.5000e-003	1.4600e-003	4.0000e-005	1.5000e-003	0.0000	5.1524	5.1524	1.4000e-004	0.0000	5.1560
Total	**2.7900e-003**	**0.0213**	**0.0241**	**1.1000e-004**	**6.7000e-003**	**9.0000e-005**	**6.7800e-003**	**1.8200e-003**	**8.0000e-005**	**1.9000e-003**	**0.0000**	**10.2834**	**10.2834**	**4.5000e-004**	**0.0000**	**10.2946**

3.9 P1 Architectural Coating-Secondary Bldg - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1207					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2000e-004	5.6300e-003	7.2500e-003	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	1.0213	1.0213	7.0000e-005	0.0000	1.0230
Total	**0.1215**	**5.6300e-003**	**7.2500e-003**	**1.0000e-005**		**3.3000e-004**	**3.3000e-004**		**3.3000e-004**	**3.3000e-004**	**0.0000**	**1.0213**	**1.0213**	**7.0000e-005**	**0.0000**	**1.0230**

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	6.0000e-005	5.0000e-005	5.6000e-004	0.0000	3.3000e-004	0.0000	3.3000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.1527	0.1527	0.0000	0.0000	0.1528
Total	**6.0000e-005**	**5.0000e-005**	**5.6000e-004**	**0.0000**	**3.3000e-004**	**0.0000**	**3.3000e-004**	**8.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.1527**	**0.1527**	**0.0000**	**0.0000**	**0.1528**

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	0.1207					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2000e-004	5.6300e-003	7.2500e-003	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	1.0213	1.0213	7.0000e-005	0.0000	1.0230
Total	**0.1215**	**5.6300e-003**	**7.2500e-003**	**1.0000e-005**		**3.3000e-004**	**3.3000e-004**		**3.3000e-004**	**3.3000e-004**	**0.0000**	**1.0213**	**1.0213**	**7.0000e-005**	**0.0000**	**1.0230**

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	6.0000e-005	5.0000e-005	5.6000e-004	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.1527	0.1527	0.0000	0.0000	0.1528
Total	**6.0000e-005**	**5.0000e-005**	**5.6000e-004**	**0.0000**	**3.0000e-004**	**0.0000**	**3.0000e-004**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**0.0000**	**0.1527**	**0.1527**	**0.0000**	**0.0000**	**0.1528**

3.10 P1 Architectural Coating - Modernization - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0613					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2000e-004	5.6300e-003	7.2500e-003	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	1.0213	1.0213	7.0000e-005	0.0000	1.0230
Total	**0.0621**	**5.6300e-003**	**7.2500e-003**	**1.0000e-005**		**3.3000e-004**	**3.3000e-004**		**3.3000e-004**	**3.3000e-004**	**0.0000**	**1.0213**	**1.0213**	**7.0000e-005**	**0.0000**	**1.0230**

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	3.0000e-005	2.0000e-005	2.8000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0763	0.0763	0.0000	0.0000	0.0764
Total	**3.0000e-005**	**2.0000e-005**	**2.8000e-004**	**0.0000**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0763**	**0.0763**	**0.0000**	**0.0000**	**0.0764**

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	0.0613					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2000e-004	5.6300e-003	7.2500e-003	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	1.0213	1.0213	7.0000e-005	0.0000	1.0230
Total	**0.0621**	**5.6300e-003**	**7.2500e-003**	**1.0000e-005**		**3.3000e-004**	**3.3000e-004**		**3.3000e-004**	**3.3000e-004**	**0.0000**	**1.0213**	**1.0213**	**7.0000e-005**	**0.0000**	**1.0230**

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	3.0000e-005	2.0000e-005	2.8000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0763	0.0763	0.0000	0.0000	0.0764
Total	**3.0000e-005**	**2.0000e-005**	**2.8000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0763**	**0.0763**	**0.0000**	**0.0000**	**0.0764**

3.11 P2 Classroom Bldg Demo - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0121	0.0000	0.0121	1.8200e-003	0.0000	1.8200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2572	0.2059	3.9000e-004		0.0124	0.0124		0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
Total	**0.0264**	**0.2572**	**0.2059**	**3.9000e-004**	**0.0121**	**0.0124**	**0.0245**	**1.8200e-003**	**0.0116**	**0.0134**	**0.0000**	**33.9902**	**33.9902**	**9.5500e-003**	**0.0000**	**34.2289**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.5000e-004	0.0144	3.5700e-003	4.0000e-005	9.6000e-004	4.0000e-005	1.0000e-003	2.6000e-004	4.0000e-005	3.0000e-004	0.0000	4.2181	4.2181	2.9000e-004	0.0000	4.2254
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	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
Total	**1.0600e-003**	**0.0148**	**8.8000e-003**	**6.0000e-005**	**2.6000e-003**	**5.0000e-005**	**2.6600e-003**	**7.0000e-004**	**5.0000e-005**	**7.5000e-004**	**0.0000**	**5.6493**	**5.6493**	**3.3000e-004**	**0.0000**	**5.6576**

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					5.1500e-003	0.0000	5.1500e-003	7.8000e-004	0.0000	7.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2572	0.2059	3.9000e-004		0.0124	0.0124		0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
Total	**0.0264**	**0.2572**	**0.2059**	**3.9000e-004**	**5.1500e-003**	**0.0124**	**0.0176**	**7.8000e-004**	**0.0116**	**0.0123**	**0.0000**	**33.9902**	**33.9902**	**9.5500e-003**	**0.0000**	**34.2289**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.5000e-004	0.0144	3.5700e-003	4.0000e-005	9.0000e-004	4.0000e-005	9.4000e-004	2.5000e-004	4.0000e-005	2.9000e-004	0.0000	4.2181	4.2181	2.9000e-004	0.0000	4.2254
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	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.5200e-003	1.0000e-005	1.5300e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
Total	**1.0600e-003**	**0.0148**	**8.8000e-003**	**6.0000e-005**	**2.4200e-003**	**5.0000e-005**	**2.4700e-003**	**6.6000e-004**	**5.0000e-005**	**7.1000e-004**	**0.0000**	**5.6493**	**5.6493**	**3.3000e-004**	**0.0000**	**5.6576**

3.12 P2 Portables Removal - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.8600e-003	0.0209	9.4600e-003	3.0000e-005		8.7000e-004	8.7000e-004		8.0000e-004	8.0000e-004	0.0000	2.5348	2.5348	8.2000e-004	0.0000	2.5553
Total	**1.8600e-003**	**0.0209**	**9.4600e-003**	**3.0000e-005**		**8.7000e-004**	**8.7000e-004**		**8.0000e-004**	**8.0000e-004**	**0.0000**	**2.5348**	**2.5348**	**8.2000e-004**	**0.0000**	**2.5553**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1000e-004	6.6800e-003	1.6600e-003	2.0000e-005	4.5000e-004	2.0000e-005	4.7000e-004	1.2000e-004	2.0000e-005	1.4000e-004	0.0000	1.9584	1.9584	1.4000e-004	0.0000	1.9618
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	6.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1431	0.1431	0.0000	0.0000	0.1432
Total	**2.7000e-004**	**6.7300e-003**	**2.1800e-003**	**2.0000e-005**	**6.1000e-004**	**2.0000e-005**	**6.4000e-004**	**1.6000e-004**	**2.0000e-005**	**1.8000e-004**	**0.0000**	**2.1015**	**2.1015**	**1.4000e-004**	**0.0000**	**2.1050**

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	1.8600e-003	0.0209	9.4600e-003	3.0000e-005		8.7000e-004	8.7000e-004		8.0000e-004	8.0000e-004	0.0000	2.5348	2.5348	8.2000e-004	0.0000	2.5553
Total	**1.8600e-003**	**0.0209**	**9.4600e-003**	**3.0000e-005**		**8.7000e-004**	**8.7000e-004**		**8.0000e-004**	**8.0000e-004**	**0.0000**	**2.5348**	**2.5348**	**8.2000e-004**	**0.0000**	**2.5553**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1000e-004	6.6800e-003	1.6600e-003	2.0000e-005	4.2000e-004	2.0000e-005	4.4000e-004	1.2000e-004	2.0000e-005	1.3000e-004	0.0000	1.9584	1.9584	1.4000e-004	0.0000	1.9618
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	6.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1431	0.1431	0.0000	0.0000	0.1432
Total	**2.7000e-004**	**6.7300e-003**	**2.1800e-003**	**2.0000e-005**	**5.7000e-004**	**2.0000e-005**	**5.9000e-004**	**1.6000e-004**	**2.0000e-005**	**1.7000e-004**	**0.0000**	**2.1015**	**2.1015**	**1.4000e-004**	**0.0000**	**2.1050**

3.13 P2 Rough Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0131	0.0000	0.0131	6.7300e-003	0.0000	6.7300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9000e-003	0.0417	0.0306	6.0000e-005		1.8800e-003	1.8800e-003		1.7300e-003	1.7300e-003	0.0000	5.2110	5.2110	1.6900e-003	0.0000	5.2531
Total	**3.9000e-003**	**0.0417**	**0.0306**	**6.0000e-005**	**0.0131**	**1.8800e-003**	**0.0150**	**6.7300e-003**	**1.7300e-003**	**8.4600e-003**	**0.0000**	**5.2110**	**5.2110**	**1.6900e-003**	**0.0000**	**5.2531**

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	1.2000e-004	9.0000e-005	1.0500e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2863	0.2863	1.0000e-005	0.0000	0.2864
Total	**1.2000e-004**	**9.0000e-005**	**1.0500e-003**	**0.0000**	**3.3000e-004**	**0.0000**	**3.3000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.2863**	**0.2863**	**1.0000e-005**	**0.0000**	**0.2864**

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					5.6000e-003	0.0000	5.6000e-003	2.8800e-003	0.0000	2.8800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9000e-003	0.0417	0.0306	6.0000e-005		1.8800e-003	1.8800e-003		1.7300e-003	1.7300e-003	0.0000	5.2110	5.2110	1.6900e-003	0.0000	5.2531
Total	**3.9000e-003**	**0.0417**	**0.0306**	**6.0000e-005**	**5.6000e-003**	**1.8800e-003**	**7.4800e-003**	**2.8800e-003**	**1.7300e-003**	**4.6100e-003**	**0.0000**	**5.2110**	**5.2110**	**1.6900e-003**	**0.0000**	**5.2531**

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	1.2000e-004	9.0000e-005	1.0500e-003	0.0000	3.0000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2863	0.2863	1.0000e-005	0.0000	0.2864
Total	**1.2000e-004**	**9.0000e-005**	**1.0500e-003**	**0.0000**	**3.0000e-004**	**0.0000**	**3.1000e-004**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**0.0000**	**0.2863**	**0.2863**	**1.0000e-005**	**0.0000**	**0.2864**

3.14 P2 Utility Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2600e-003	0.0777	0.1236	1.9000e-004		3.9600e-003	3.9600e-003		3.6400e-003	3.6400e-003	0.0000	16.3549	16.3549	5.2900e-003	0.0000	16.4872
Total	**8.2600e-003**	**0.0777**	**0.1236**	**1.9000e-004**		**3.9600e-003**	**3.9600e-003**		**3.6400e-003**	**3.6400e-003**	**0.0000**	**16.3549**	**16.3549**	**5.2900e-003**	**0.0000**	**16.4872**

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	4.5000e-004	3.4000e-004	3.9200e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.0734	1.0734	3.0000e-005	0.0000	1.0742
Total	**4.5000e-004**	**3.4000e-004**	**3.9200e-003**	**1.0000e-005**	**1.2300e-003**	**1.0000e-005**	**1.2400e-003**	**3.3000e-004**	**1.0000e-005**	**3.4000e-004**	**0.0000**	**1.0734**	**1.0734**	**3.0000e-005**	**0.0000**	**1.0742**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2600e-003	0.0777	0.1236	1.9000e-004		3.9600e-003	3.9600e-003		3.6400e-003	3.6400e-003	0.0000	16.3549	16.3549	5.2900e-003	0.0000	16.4871
Total	**8.2600e-003**	**0.0777**	**0.1236**	**1.9000e-004**		**3.9600e-003**	**3.9600e-003**		**3.6400e-003**	**3.6400e-003**	**0.0000**	**16.3549**	**16.3549**	**5.2900e-003**	**0.0000**	**16.4871**

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	4.5000e-004	3.4000e-004	3.9200e-003	1.0000e-005	1.1400e-003	1.0000e-005	1.1500e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.0734	1.0734	3.0000e-005	0.0000	1.0742
Total	**4.5000e-004**	**3.4000e-004**	**3.9200e-003**	**1.0000e-005**	**1.1400e-003**	**1.0000e-005**	**1.1500e-003**	**3.0000e-004**	**1.0000e-005**	**3.1000e-004**	**0.0000**	**1.0734**	**1.0734**	**3.0000e-005**	**0.0000**	**1.0742**

3.15 P2 Fine Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0131	0.0000	0.0131	6.7300e-003	0.0000	6.7300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9000e-003	0.0417	0.0306	6.0000e-005		1.8800e-003	1.8800e-003		1.7300e-003	1.7300e-003	0.0000	5.2110	5.2110	1.6900e-003	0.0000	5.2531
Total	**3.9000e-003**	**0.0417**	**0.0306**	**6.0000e-005**	**0.0131**	**1.8800e-003**	**0.0150**	**6.7300e-003**	**1.7300e-003**	**8.4600e-003**	**0.0000**	**5.2110**	**5.2110**	**1.6900e-003**	**0.0000**	**5.2531**

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	1.2000e-004	9.0000e-005	1.0500e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2863	0.2863	1.0000e-005	0.0000	0.2864
Total	**1.2000e-004**	**9.0000e-005**	**1.0500e-003**	**0.0000**	**3.3000e-004**	**0.0000**	**3.3000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.2863**	**0.2863**	**1.0000e-005**	**0.0000**	**0.2864**

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					5.6000e-003	0.0000	5.6000e-003	2.8800e-003	0.0000	2.8800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9000e-003	0.0417	0.0306	6.0000e-005		1.8800e-003	1.8800e-003		1.7300e-003	1.7300e-003	0.0000	5.2110	5.2110	1.6900e-003	0.0000	5.2531
Total	**3.9000e-003**	**0.0417**	**0.0306**	**6.0000e-005**	**5.6000e-003**	**1.8800e-003**	**7.4800e-003**	**2.8800e-003**	**1.7300e-003**	**4.6100e-003**	**0.0000**	**5.2110**	**5.2110**	**1.6900e-003**	**0.0000**	**5.2531**

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	1.2000e-004	9.0000e-005	1.0500e-003	0.0000	3.0000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2863	0.2863	1.0000e-005	0.0000	0.2864
Total	**1.2000e-004**	**9.0000e-005**	**1.0500e-003**	**0.0000**	**3.0000e-004**	**0.0000**	**3.1000e-004**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**0.0000**	**0.2863**	**0.2863**	**1.0000e-005**	**0.0000**	**0.2864**

3.16 P2 Construct Hardcourts - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5100e-003	0.0556	0.0729	1.1000e-004		2.8400e-003	2.8400e-003		2.6100e-003	2.6100e-003	0.0000	10.0138	10.0138	3.2400e-003	0.0000	10.0948
Paving	7.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0131**	**0.0556**	**0.0729**	**1.1000e-004**		**2.8400e-003**	**2.8400e-003**		**2.6100e-003**	**2.6100e-003**	**0.0000**	**10.0138**	**10.0138**	**3.2400e-003**	**0.0000**	**10.0948**

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	3.0000e-004	2.3000e-004	2.6100e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.7156	0.7156	2.0000e-005	0.0000	0.7161
Total	**3.0000e-004**	**2.3000e-004**	**2.6100e-003**	**1.0000e-005**	**8.2000e-004**	**1.0000e-005**	**8.3000e-004**	**2.2000e-004**	**1.0000e-005**	**2.2000e-004**	**0.0000**	**0.7156**	**0.7156**	**2.0000e-005**	**0.0000**	**0.7161**

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	5.5100e-003	0.0556	0.0729	1.1000e-004		2.8400e-003	2.8400e-003		2.6100e-003	2.6100e-003	0.0000	10.0138	10.0138	3.2400e-003	0.0000	10.0947
Paving	7.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0131**	**0.0556**	**0.0729**	**1.1000e-004**		**2.8400e-003**	**2.8400e-003**		**2.6100e-003**	**2.6100e-003**	**0.0000**	**10.0138**	**10.0138**	**3.2400e-003**	**0.0000**	**10.0947**

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	3.0000e-004	2.3000e-004	2.6100e-003	1.0000e-005	7.6000e-004	1.0000e-005	7.6000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.7156	0.7156	2.0000e-005	0.0000	0.7161
Total	**3.0000e-004**	**2.3000e-004**	**2.6100e-003**	**1.0000e-005**	**7.6000e-004**	**1.0000e-005**	**7.6000e-004**	**2.0000e-004**	**1.0000e-005**	**2.1000e-004**	**0.0000**	**0.7156**	**0.7156**	**2.0000e-005**	**0.0000**	**0.7161**

3.17 P2 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	8.2500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0000e-004	7.0000e-004	9.1000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1279
Total	**8.3500e-003**	**7.0000e-004**	**9.1000e-004**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**0.1277**	**0.1277**	**1.0000e-005**	**0.0000**	**0.1279**

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	5.0000e-005	4.0000e-005	4.5000e-004	0.0000	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1240	0.1240	0.0000	0.0000	0.1241
Total	**5.0000e-005**	**4.0000e-005**	**4.5000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1240**	**0.1240**	**0.0000**	**0.0000**	**0.1241**

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	8.2500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0000e-004	7.0000e-004	9.1000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1279
Total	**8.3500e-003**	**7.0000e-004**	**9.1000e-004**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**0.1277**	**0.1277**	**1.0000e-005**	**0.0000**	**0.1279**

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	5.0000e-005	4.0000e-005	4.5000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1240	0.1240	0.0000	0.0000	0.1241
Total	**5.0000e-005**	**4.0000e-005**	**4.5000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1240**	**0.1240**	**0.0000**	**0.0000**	**0.1241**

3.18 P3 Portables Removal - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.3000e-004	5.7200e-003	2.7500e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.2000e-004	2.2000e-004	0.0000	0.7604	0.7604	2.5000e-004	0.0000	0.7666
Total	**5.3000e-004**	**5.7200e-003**	**2.7500e-003**	**1.0000e-005**		**2.4000e-004**	**2.4000e-004**		**2.2000e-004**	**2.2000e-004**	**0.0000**	**0.7604**	**0.7604**	**2.5000e-004**	**0.0000**	**0.7666**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.0100e-003	3.5000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4331	0.4331	3.0000e-005	0.0000	0.4338
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	2.0000e-005	1.0000e-005	1.4000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0414	0.0414	0.0000	0.0000	0.0414
Total	**5.0000e-005**	**1.0200e-003**	**4.9000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.4745**	**0.4745**	**3.0000e-005**	**0.0000**	**0.4752**

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	5.3000e-004	5.7200e-003	2.7500e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.2000e-004	2.2000e-004	0.0000	0.7604	0.7604	2.5000e-004	0.0000	0.7666
Total	**5.3000e-004**	**5.7200e-003**	**2.7500e-003**	**1.0000e-005**		**2.4000e-004**	**2.4000e-004**		**2.2000e-004**	**2.2000e-004**	**0.0000**	**0.7604**	**0.7604**	**2.5000e-004**	**0.0000**	**0.7666**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.0100e-003	3.5000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4331	0.4331	3.0000e-005	0.0000	0.4338
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	2.0000e-005	1.0000e-005	1.4000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0414	0.0414	0.0000	0.0000	0.0414
Total	**5.0000e-005**	**1.0200e-003**	**4.9000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.4745**	**0.4745**	**3.0000e-005**	**0.0000**	**0.4752**

3.19 P3 Tennis Courts Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0183	0.0000	0.0183	2.7700e-003	0.0000	2.7700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0216	0.2041	0.1866	3.7000e-004		9.4800e-003	9.4800e-003		8.8200e-003	8.8200e-003	0.0000	32.2925	32.2925	9.0400e-003	0.0000	32.5186
Total	**0.0216**	**0.2041**	**0.1866**	**3.7000e-004**	**0.0183**	**9.4800e-003**	**0.0278**	**2.7700e-003**	**8.8200e-003**	**0.0116**	**0.0000**	**32.2925**	**32.2925**	**9.0400e-003**	**0.0000**	**32.5186**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.5000e-004	0.0143	4.9200e-003	6.0000e-005	1.4600e-003	3.0000e-005	1.4900e-003	4.0000e-004	2.0000e-005	4.3000e-004	0.0000	6.1358	6.1358	4.1000e-004	0.0000	6.1461
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	3.9000e-004	4.5700e-003	1.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.1000e-004	1.0000e-005	4.3000e-004	0.0000	1.3099	1.3099	3.0000e-005	0.0000	1.3108
Total	**9.9000e-004**	**0.0147**	**9.4900e-003**	**7.0000e-005**	**3.0200e-003**	**4.0000e-005**	**3.0600e-003**	**8.1000e-004**	**3.0000e-005**	**8.6000e-004**	**0.0000**	**7.4457**	**7.4457**	**4.4000e-004**	**0.0000**	**7.4569**

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					7.8200e-003	0.0000	7.8200e-003	1.1800e-003	0.0000	1.1800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0216	0.2041	0.1866	3.7000e-004		9.4800e-003	9.4800e-003		8.8200e-003	8.8200e-003	0.0000	32.2924	32.2924	9.0400e-003	0.0000	32.5185
Total	**0.0216**	**0.2041**	**0.1866**	**3.7000e-004**	**7.8200e-003**	**9.4800e-003**	**0.0173**	**1.1800e-003**	**8.8200e-003**	**0.0100**	**0.0000**	**32.2924**	**32.2924**	**9.0400e-003**	**0.0000**	**32.5185**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.5000e-004	0.0143	4.9200e-003	6.0000e-005	1.3600e-003	3.0000e-005	1.3900e-003	3.8000e-004	2.0000e-005	4.0000e-004	0.0000	6.1358	6.1358	4.1000e-004	0.0000	6.1461
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	3.9000e-004	4.5700e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	4.0000e-004	0.0000	1.3099	1.3099	3.0000e-005	0.0000	1.3108
Total	**9.9000e-004**	**0.0147**	**9.4900e-003**	**7.0000e-005**	**2.8000e-003**	**4.0000e-005**	**2.8400e-003**	**7.6000e-004**	**3.0000e-005**	**8.0000e-004**	**0.0000**	**7.4457**	**7.4457**	**4.4000e-004**	**0.0000**	**7.4569**

3.20 P3 Rough Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0197	0.0000	0.0197	0.0101	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1300e-003	0.0538	0.0443	9.0000e-005		2.3200e-003	2.3200e-003		2.1400e-003	2.1400e-003	0.0000	7.8182	7.8182	2.5300e-003	0.0000	7.8814
Total	**5.1300e-003**	**0.0538**	**0.0443**	**9.0000e-005**	**0.0197**	**2.3200e-003**	**0.0220**	**0.0101**	**2.1400e-003**	**0.0122**	**0.0000**	**7.8182**	**7.8182**	**2.5300e-003**	**0.0000**	**7.8814**

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	1.7000e-004	1.2000e-004	1.4400e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4137	0.4137	1.0000e-005	0.0000	0.4139
Total	**1.7000e-004**	**1.2000e-004**	**1.4400e-003**	**0.0000**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4137**	**0.4137**	**1.0000e-005**	**0.0000**	**0.4139**

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					8.4000e-003	0.0000	8.4000e-003	4.3200e-003	0.0000	4.3200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1300e-003	0.0538	0.0443	9.0000e-005		2.3200e-003	2.3200e-003		2.1400e-003	2.1400e-003	0.0000	7.8182	7.8182	2.5300e-003	0.0000	7.8814
Total	**5.1300e-003**	**0.0538**	**0.0443**	**9.0000e-005**	**8.4000e-003**	**2.3200e-003**	**0.0107**	**4.3200e-003**	**2.1400e-003**	**6.4600e-003**	**0.0000**	**7.8182**	**7.8182**	**2.5300e-003**	**0.0000**	**7.8814**

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	1.7000e-004	1.2000e-004	1.4400e-003	0.0000	4.5000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.3000e-004	0.0000	0.4137	0.4137	1.0000e-005	0.0000	0.4139
Total	**1.7000e-004**	**1.2000e-004**	**1.4400e-003**	**0.0000**	**4.5000e-004**	**0.0000**	**4.6000e-004**	**1.2000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4137**	**0.4137**	**1.0000e-005**	**0.0000**	**0.4139**

3.21 P3 Utility Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9400e-003	0.0179	0.0263	6.0000e-005		7.6000e-004	7.6000e-004		7.0000e-004	7.0000e-004	0.0000	5.4520	5.4520	1.7600e-003	0.0000	5.4961
Total	**1.9400e-003**	**0.0179**	**0.0263**	**6.0000e-005**		**7.6000e-004**	**7.6000e-004**		**7.0000e-004**	**7.0000e-004**	**0.0000**	**5.4520**	**5.4520**	**1.7600e-003**	**0.0000**	**5.4961**

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	1.1000e-004	8.0000e-005	9.0000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2574	0.2574	1.0000e-005	0.0000	0.2576
Total	**1.1000e-004**	**8.0000e-005**	**9.0000e-004**	**0.0000**	**3.1000e-004**	**0.0000**	**3.1000e-004**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**0.0000**	**0.2574**	**0.2574**	**1.0000e-005**	**0.0000**	**0.2576**

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	1.9400e-003	0.0179	0.0263	6.0000e-005		7.6000e-004	7.6000e-004		7.0000e-004	7.0000e-004	0.0000	5.4520	5.4520	1.7600e-003	0.0000	5.4961
Total	**1.9400e-003**	**0.0179**	**0.0263**	**6.0000e-005**		**7.6000e-004**	**7.6000e-004**		**7.0000e-004**	**7.0000e-004**	**0.0000**	**5.4520**	**5.4520**	**1.7600e-003**	**0.0000**	**5.4961**

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	1.1000e-004	8.0000e-005	9.0000e-004	0.0000	2.8000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2574	0.2574	1.0000e-005	0.0000	0.2576
Total	**1.1000e-004**	**8.0000e-005**	**9.0000e-004**	**0.0000**	**2.8000e-004**	**0.0000**	**2.9000e-004**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**0.0000**	**0.2574**	**0.2574**	**1.0000e-005**	**0.0000**	**0.2576**

3.22 P3 Fine Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0197	0.0000	0.0197	0.0101	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1300e-003	0.0538	0.0443	9.0000e-005		2.3200e-003	2.3200e-003		2.1400e-003	2.1400e-003	0.0000	7.8182	7.8182	2.5300e-003	0.0000	7.8814
Total	**5.1300e-003**	**0.0538**	**0.0443**	**9.0000e-005**	**0.0197**	**2.3200e-003**	**0.0220**	**0.0101**	**2.1400e-003**	**0.0122**	**0.0000**	**7.8182**	**7.8182**	**2.5300e-003**	**0.0000**	**7.8814**

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	1.7000e-004	1.2000e-004	1.4400e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4137	0.4137	1.0000e-005	0.0000	0.4139
Total	**1.7000e-004**	**1.2000e-004**	**1.4400e-003**	**0.0000**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4137**	**0.4137**	**1.0000e-005**	**0.0000**	**0.4139**

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					8.4000e-003	0.0000	8.4000e-003	4.3200e-003	0.0000	4.3200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1300e-003	0.0538	0.0443	9.0000e-005		2.3200e-003	2.3200e-003		2.1400e-003	2.1400e-003	0.0000	7.8182	7.8182	2.5300e-003	0.0000	7.8814
Total	**5.1300e-003**	**0.0538**	**0.0443**	**9.0000e-005**	**8.4000e-003**	**2.3200e-003**	**0.0107**	**4.3200e-003**	**2.1400e-003**	**6.4600e-003**	**0.0000**	**7.8182**	**7.8182**	**2.5300e-003**	**0.0000**	**7.8814**

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	1.7000e-004	1.2000e-004	1.4400e-003	0.0000	4.5000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.3000e-004	0.0000	0.4137	0.4137	1.0000e-005	0.0000	0.4139
Total	**1.7000e-004**	**1.2000e-004**	**1.4400e-003**	**0.0000**	**4.5000e-004**	**0.0000**	**4.6000e-004**	**1.2000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4137**	**0.4137**	**1.0000e-005**	**0.0000**	**0.4139**

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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	0.0700	0.6401	0.7229	1.2000e-003		0.0311	0.0311		0.0293	0.0293	0.0000	103.1531	103.1531	0.0245	0.0000	103.7666
Total	**0.0700**	**0.6401**	**0.7229**	**1.2000e-003**		**0.0311**	**0.0311**		**0.0293**	**0.0293**	**0.0000**	**103.1531**	**103.1531**	**0.0245**	**0.0000**	**103.7666**

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	5.8000e-004	0.0189	6.0600e-003	7.0000e-005	1.6800e-003	2.0000e-005	1.7000e-003	4.9000e-004	2.0000e-005	5.1000e-004	0.0000	6.3194	6.3194	3.4000e-004	0.0000	6.3280
Worker	2.7000e-003	1.9500e-003	0.0228	7.0000e-005	7.8000e-003	6.0000e-005	7.8600e-003	2.0700e-003	6.0000e-005	2.1300e-003	0.0000	6.5450	6.5450	1.7000e-004	0.0000	6.5492
Total	**3.2800e-003**	**0.0209**	**0.0289**	**1.4000e-004**	**9.4800e-003**	**8.0000e-005**	**9.5600e-003**	**2.5600e-003**	**8.0000e-005**	**2.6400e-003**	**0.0000**	**12.8644**	**12.8644**	**5.1000e-004**	**0.0000**	**12.8772**

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	0.0700	0.6401	0.7229	1.2000e-003		0.0311	0.0311		0.0293	0.0293	0.0000	103.1530	103.1530	0.0245	0.0000	103.7665
Total	**0.0700**	**0.6401**	**0.7229**	**1.2000e-003**		**0.0311**	**0.0311**		**0.0293**	**0.0293**	**0.0000**	**103.1530**	**103.1530**	**0.0245**	**0.0000**	**103.7665**

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	5.8000e-004	0.0189	6.0600e-003	7.0000e-005	1.5700e-003	2.0000e-005	1.6000e-003	4.6000e-004	2.0000e-005	4.8000e-004	0.0000	6.3194	6.3194	3.4000e-004	0.0000	6.3280
Worker	2.7000e-003	1.9500e-003	0.0228	7.0000e-005	7.1900e-003	6.0000e-005	7.2500e-003	1.9200e-003	6.0000e-005	1.9800e-003	0.0000	6.5450	6.5450	1.7000e-004	0.0000	6.5492
Total	**3.2800e-003**	**0.0209**	**0.0289**	**1.4000e-004**	**8.7600e-003**	**8.0000e-005**	**8.8500e-003**	**2.3800e-003**	**8.0000e-005**	**2.4600e-003**	**0.0000**	**12.8644**	**12.8644**	**5.1000e-004**	**0.0000**	**12.8772**

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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	0.0912	0.8335	1.0023	1.6700e-003		0.0380	0.0380		0.0358	0.0358	0.0000	143.7464	143.7464	0.0340	0.0000	144.5962
Total	**0.0912**	**0.8335**	**1.0023**	**1.6700e-003**		**0.0380**	**0.0380**		**0.0358**	**0.0358**	**0.0000**	**143.7464**	**143.7464**	**0.0340**	**0.0000**	**144.5962**

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	7.9000e-004	0.0263	8.1900e-003	9.0000e-005	2.3400e-003	3.0000e-005	2.3700e-003	6.8000e-004	3.0000e-005	7.1000e-004	0.0000	8.7695	8.7695	4.7000e-004	0.0000	8.7813
Worker	3.5600e-003	2.4800e-003	0.0296	1.0000e-004	0.0109	8.0000e-005	0.0110	2.8900e-003	8.0000e-005	2.9600e-003	0.0000	8.8361	8.8361	2.2000e-004	0.0000	8.8415
Total	**4.3500e-003**	**0.0287**	**0.0378**	**1.9000e-004**	**0.0132**	**1.1000e-004**	**0.0133**	**3.5700e-003**	**1.1000e-004**	**3.6700e-003**	**0.0000**	**17.6056**	**17.6056**	**6.9000e-004**	**0.0000**	**17.6228**

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	0.0912	0.8335	1.0023	1.6700e-003		0.0380	0.0380		0.0358	0.0358	0.0000	143.7463	143.7463	0.0340	0.0000	144.5961
Total	**0.0912**	**0.8335**	**1.0023**	**1.6700e-003**		**0.0380**	**0.0380**		**0.0358**	**0.0358**	**0.0000**	**143.7463**	**143.7463**	**0.0340**	**0.0000**	**144.5961**

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	7.9000e-004	0.0263	8.1900e-003	9.0000e-005	2.1900e-003	3.0000e-005	2.2200e-003	6.4000e-004	3.0000e-005	6.7000e-004	0.0000	8.7695	8.7695	4.7000e-004	0.0000	8.7813
Worker	3.5600e-003	2.4800e-003	0.0296	1.0000e-004	0.0100	8.0000e-005	0.0101	2.6800e-003	8.0000e-005	2.7600e-003	0.0000	8.8361	8.8361	2.2000e-004	0.0000	8.8415
Total	**4.3500e-003**	**0.0287**	**0.0378**	**1.9000e-004**	**0.0122**	**1.1000e-004**	**0.0123**	**3.3200e-003**	**1.1000e-004**	**3.4300e-003**	**0.0000**	**17.6056**	**17.6056**	**6.9000e-004**	**0.0000**	**17.6228**

3.24 P3 Building Modernization - 2023

Unmitigated Construction On-Site

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

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	3.9000e-004	0.0126	4.0400e-003	4.0000e-005	1.1200e-003	1.0000e-005	1.1400e-003	3.2000e-004	1.0000e-005	3.4000e-004	0.0000	4.2130	4.2130	2.3000e-004	0.0000	4.2187
Worker	1.5200e-003	1.1000e-003	0.0128	4.0000e-005	4.3900e-003	3.0000e-005	4.4200e-003	1.1700e-003	3.0000e-005	1.2000e-003	0.0000	3.6816	3.6816	9.0000e-005	0.0000	3.6839
Total	**1.9100e-003**	**0.0137**	**0.0169**	**8.0000e-005**	**5.5100e-003**	**4.0000e-005**	**5.5600e-003**	**1.4900e-003**	**4.0000e-005**	**1.5400e-003**	**0.0000**	**7.8945**	**7.8945**	**3.2000e-004**	**0.0000**	**7.9026**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.9000e-004	0.0126	4.0400e-003	4.0000e-005	1.0500e-003	1.0000e-005	1.0600e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	4.2130	4.2130	2.3000e-004	0.0000	4.2187
Worker	1.5200e-003	1.1000e-003	0.0128	4.0000e-005	4.0500e-003	3.0000e-005	4.0800e-003	1.0800e-003	3.0000e-005	1.1100e-003	0.0000	3.6816	3.6816	9.0000e-005	0.0000	3.6839
Total	**1.9100e-003**	**0.0137**	**0.0169**	**8.0000e-005**	**5.1000e-003**	**4.0000e-005**	**5.1400e-003**	**1.3900e-003**	**4.0000e-005**	**1.4300e-003**	**0.0000**	**7.8945**	**7.8945**	**3.2000e-004**	**0.0000**	**7.9026**

3.24 P3 Building Modernization - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	5.2000e-004	0.0175	5.4600e-003	6.0000e-005	1.5600e-003	2.0000e-005	1.5800e-003	4.5000e-004	2.0000e-005	4.7000e-004	0.0000	5.8463	5.8463	3.2000e-004	0.0000	5.8542
Worker	2.0100e-003	1.3900e-003	0.0167	5.0000e-005	6.1100e-003	5.0000e-005	6.1600e-003	1.6200e-003	4.0000e-005	1.6700e-003	0.0000	4.9703	4.9703	1.2000e-004	0.0000	4.9733
Total	**2.5300e-003**	**0.0189**	**0.0221**	**1.1000e-004**	**7.6700e-003**	**7.0000e-005**	**7.7400e-003**	**2.0700e-003**	**6.0000e-005**	**2.1400e-003**	**0.0000**	**10.8167**	**10.8167**	**4.4000e-004**	**0.0000**	**10.8276**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.2000e-004	0.0175	5.4600e-003	6.0000e-005	1.4600e-003	2.0000e-005	1.4800e-003	4.3000e-004	2.0000e-005	4.5000e-004	0.0000	5.8463	5.8463	3.2000e-004	0.0000	5.8542
Worker	2.0100e-003	1.3900e-003	0.0167	5.0000e-005	5.6400e-003	5.0000e-005	5.6800e-003	1.5100e-003	4.0000e-005	1.5500e-003	0.0000	4.9703	4.9703	1.2000e-004	0.0000	4.9733
Total	**2.5300e-003**	**0.0189**	**0.0221**	**1.1000e-004**	**7.1000e-003**	**7.0000e-005**	**7.1600e-003**	**1.9400e-003**	**6.0000e-005**	**2.0000e-003**	**0.0000**	**10.8167**	**10.8167**	**4.4000e-004**	**0.0000**	**10.8276**

3.25 P3 Parking Lot - 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	4.9400e-003	0.0476	0.0731	1.1000e-004		2.3400e-003	2.3400e-003		2.1600e-003	2.1600e-003	0.0000	10.0133	10.0133	3.2400e-003	0.0000	10.0942
Paving	7.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0125**	**0.0476**	**0.0731**	**1.1000e-004**		**2.3400e-003**	**2.3400e-003**		**2.1600e-003**	**2.1600e-003**	**0.0000**	**10.0133**	**10.0133**	**3.2400e-003**	**0.0000**	**10.0942**

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	2.7000e-004	1.9000e-004	2.2400e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6681	0.6681	2.0000e-005	0.0000	0.6685
Total	**2.7000e-004**	**1.9000e-004**	**2.2400e-003**	**1.0000e-005**	**8.2000e-004**	**1.0000e-005**	**8.3000e-004**	**2.2000e-004**	**1.0000e-005**	**2.2000e-004**	**0.0000**	**0.6681**	**0.6681**	**2.0000e-005**	**0.0000**	**0.6685**

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	4.9400e-003	0.0476	0.0731	1.1000e-004		2.3400e-003	2.3400e-003		2.1600e-003	2.1600e-003	0.0000	10.0133	10.0133	3.2400e-003	0.0000	10.0942
Paving	7.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0125**	**0.0476**	**0.0731**	**1.1000e-004**		**2.3400e-003**	**2.3400e-003**		**2.1600e-003**	**2.1600e-003**	**0.0000**	**10.0133**	**10.0133**	**3.2400e-003**	**0.0000**	**10.0942**

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	2.7000e-004	1.9000e-004	2.2400e-003	1.0000e-005	7.6000e-004	1.0000e-005	7.6000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.6681	0.6681	2.0000e-005	0.0000	0.6685
Total	**2.7000e-004**	**1.9000e-004**	**2.2400e-003**	**1.0000e-005**	**7.6000e-004**	**1.0000e-005**	**7.6000e-004**	**2.0000e-004**	**1.0000e-005**	**2.1000e-004**	**0.0000**	**0.6681**	**0.6681**	**2.0000e-005**	**0.0000**	**0.6685**

3.26 P3 Pave ES Play Area - 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	4.9400e-003	0.0476	0.0731	1.1000e-004		2.3400e-003	2.3400e-003		2.1600e-003	2.1600e-003	0.0000	10.0133	10.0133	3.2400e-003	0.0000	10.0942
Paving	7.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0125**	**0.0476**	**0.0731**	**1.1000e-004**		**2.3400e-003**	**2.3400e-003**		**2.1600e-003**	**2.1600e-003**	**0.0000**	**10.0133**	**10.0133**	**3.2400e-003**	**0.0000**	**10.0942**

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	2.7000e-004	1.9000e-004	2.2400e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6681	0.6681	2.0000e-005	0.0000	0.6685

Total	**2.7000e-004**	**1.9000e-004**	**2.2400e-003**	**1.0000e-005**	**8.2000e-004**	**1.0000e-005**	**8.3000e-004**	**2.2000e-004**	**1.0000e-005**	**2.2000e-004**	**0.0000**	**0.6681**	**0.6681**	**2.0000e-005**	**0.0000**	**0.6685**

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	4.9400e-003	0.0476	0.0731	1.1000e-004		2.3400e-003	2.3400e-003		2.1600e-003	2.1600e-003	0.0000	10.0133	10.0133	3.2400e-003	0.0000	10.0942
Paving	7.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0125**	**0.0476**	**0.0731**	**1.1000e-004**		**2.3400e-003**	**2.3400e-003**		**2.1600e-003**	**2.1600e-003**	**0.0000**	**10.0133**	**10.0133**	**3.2400e-003**	**0.0000**	**10.0942**

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	2.7000e-004	1.9000e-004	2.2400e-003	1.0000e-005	7.6000e-004	1.0000e-005	7.6000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.6681	0.6681	2.0000e-005	0.0000	0.6685
Total	**2.7000e-004**	**1.9000e-004**	**2.2400e-003**	**1.0000e-005**	**7.6000e-004**	**1.0000e-005**	**7.6000e-004**	**2.0000e-004**	**1.0000e-005**	**2.1000e-004**	**0.0000**	**0.6681**	**0.6681**	**2.0000e-005**	**0.0000**	**0.6685**

3.27 P3 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	0.1154					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-004	6.0900e-003	9.0500e-003	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
Total	**0.1163**	**6.0900e-003**	**9.0500e-003**	**1.0000e-005**		**3.0000e-004**	**3.0000e-004**		**3.0000e-004**	**3.0000e-004**	**0.0000**	**1.2766**	**1.2766**	**7.0000e-005**	**0.0000**	**1.2784**

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	5.0000e-005	4.0000e-005	4.5000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1336	0.1336	0.0000	0.0000	0.1337
Total	**5.0000e-005**	**4.0000e-005**	**4.5000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**1.7000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1336**	**0.1336**	**0.0000**	**0.0000**	**0.1337**

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	0.1154					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-004	6.0900e-003	9.0500e-003	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
Total	**0.1163**	**6.0900e-003**	**9.0500e-003**	**1.0000e-005**		**3.0000e-004**	**3.0000e-004**		**3.0000e-004**	**3.0000e-004**	**0.0000**	**1.2766**	**1.2766**	**7.0000e-005**	**0.0000**	**1.2784**

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	5.0000e-005	4.0000e-005	4.5000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1336	0.1336	0.0000	0.0000	0.1337
Total	**5.0000e-005**	**4.0000e-005**	**4.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1336**	**0.1336**	**0.0000**	**0.0000**	**0.1337**

3.28 P4 Secondary Area Demolition - 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					9.0400e-003	0.0000	9.0400e-003	1.3700e-003	0.0000	1.3700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0123	0.1148	0.1084	2.1000e-004		5.2800e-003	5.2800e-003		4.9100e-003	4.9100e-003	0.0000	18.6978	18.6978	5.2300e-003	0.0000	18.8286
Total	**0.0123**	**0.1148**	**0.1084**	**2.1000e-004**	**9.0400e-003**	**5.2800e-003**	**0.0143**	**1.3700e-003**	**4.9100e-003**	**6.2800e-003**	**0.0000**	**18.6978**	**18.6978**	**5.2300e-003**	**0.0000**	**18.8286**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2000e-004	7.0300e-003	2.4600e-003	3.0000e-005	7.2000e-004	1.0000e-005	7.3000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	3.0182	3.0182	2.0000e-004	0.0000	3.0233
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	3.0000e-004	2.1000e-004	2.4600e-003	1.0000e-005	9.0000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.7349	0.7349	2.0000e-005	0.0000	0.7353
Total	**5.2000e-004**	**7.2400e-003**	**4.9200e-003**	**4.0000e-005**	**1.6200e-003**	**2.0000e-005**	**1.6400e-003**	**4.4000e-004**	**2.0000e-005**	**4.6000e-004**	**0.0000**	**3.7530**	**3.7530**	**2.2000e-004**	**0.0000**	**3.7586**

Mitigated Construction On-Site

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

Category	tons/yr										MT/yr					
Fugitive Dust					3.8700e-003	0.0000	3.8700e-003	5.9000e-004	0.0000	5.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0123	0.1148	0.1084	2.1000e-004		5.2800e-003	5.2800e-003		4.9100e-003	4.9100e-003	0.0000	18.6978	18.6978	5.2300e-003	0.0000	18.8286
Total	**0.0123**	**0.1148**	**0.1084**	**2.1000e-004**	**3.8700e-003**	**5.2800e-003**	**9.1500e-003**	**5.9000e-004**	**4.9100e-003**	**5.5000e-003**	**0.0000**	**18.6978**	**18.6978**	**5.2300e-003**	**0.0000**	**18.8286**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2000e-004	7.0300e-003	2.4600e-003	3.0000e-005	6.7000e-004	1.0000e-005	6.9000e-004	1.9000e-004	1.0000e-005	2.0000e-004	0.0000	3.0182	3.0182	2.0000e-004	0.0000	3.0233
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	3.0000e-004	2.1000e-004	2.4600e-003	1.0000e-005	8.3000e-004	1.0000e-005	8.4000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.7349	0.7349	2.0000e-005	0.0000	0.7353
Total	**5.2000e-004**	**7.2400e-003**	**4.9200e-003**	**4.0000e-005**	**1.5000e-003**	**2.0000e-005**	**1.5300e-003**	**4.1000e-004**	**2.0000e-005**	**4.3000e-004**	**0.0000**	**3.7530**	**3.7530**	**2.2000e-004**	**0.0000**	**3.7586**

3.29 P4 Rough 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					6.5500e-003	0.0000	6.5500e-003	3.3700e-003	0.0000	3.3700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6600e-003	0.0170	0.0148	3.0000e-005		7.2000e-004	7.2000e-004		6.7000e-004	6.7000e-004	0.0000	2.6064	2.6064	8.4000e-004	0.0000	2.6275
Total	**1.6600e-003**	**0.0170**	**0.0148**	**3.0000e-005**	**6.5500e-003**	**7.2000e-004**	**7.2700e-003**	**3.3700e-003**	**6.7000e-004**	**4.0400e-003**	**0.0000**	**2.6064**	**2.6064**	**8.4000e-004**	**0.0000**	**2.6275**

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	5.0000e-005	4.0000e-005	4.5000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1336	0.1336	0.0000	0.0000	0.1337
Total	**5.0000e-005**	**4.0000e-005**	**4.5000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**1.7000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1336**	**0.1336**	**0.0000**	**0.0000**	**0.1337**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.8000e-003	0.0000	2.8000e-003	1.4400e-003	0.0000	1.4400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	1.6600e-003	0.0170	0.0148	3.0000e-005		7.2000e-004	7.2000e-004		6.7000e-004	6.7000e-004	0.0000	2.6064	2.6064	8.4000e-004	0.0000	2.6275
Total	**1.6600e-003**	**0.0170**	**0.0148**	**3.0000e-005**	**2.8000e-003**	**7.2000e-004**	**3.5200e-003**	**1.4400e-003**	**6.7000e-004**	**2.1100e-003**	**0.0000**	**2.6064**	**2.6064**	**8.4000e-004**	**0.0000**	**2.6275**

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	5.0000e-005	4.0000e-005	4.5000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1336	0.1336	0.0000	0.0000	0.1337
Total	**5.0000e-005**	**4.0000e-005**	**4.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1336**	**0.1336**	**0.0000**	**0.0000**	**0.1337**

3.30 P4 Repaving - 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	2.4700e-003	0.0238	0.0366	6.0000e-005		1.1700e-003	1.1700e-003		1.0800e-003	1.0800e-003	0.0000	5.0066	5.0066	1.6200e-003	0.0000	5.0471
Paving	7.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.0100**	**0.0238**	**0.0366**	**6.0000e-005**		**1.1700e-003**	**1.1700e-003**		**1.0800e-003**	**1.0800e-003**	**0.0000**	**5.0066**	**5.0066**	**1.6200e-003**	**0.0000**	**5.0471**

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	1.3000e-004	9.0000e-005	1.1200e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3340	0.3340	1.0000e-005	0.0000	0.3342
Total	**1.3000e-004**	**9.0000e-005**	**1.1200e-003**	**0.0000**	**4.1000e-004**	**0.0000**	**4.1000e-004**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**0.3340**	**0.3340**	**1.0000e-005**	**0.0000**	**0.3342**

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	2.4700e-003	0.0238	0.0366	6.0000e-005		1.1700e-003	1.1700e-003		1.0800e-003	1.0800e-003	0.0000	5.0066	5.0066	1.6200e-003	0.0000	5.0471
Paving	7.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0100**	**0.0238**	**0.0366**	**6.0000e-005**		**1.1700e-003**	**1.1700e-003**		**1.0800e-003**	**1.0800e-003**	**0.0000**	**5.0066**	**5.0066**	**1.6200e-003**	**0.0000**	**5.0471**

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	1.3000e-004	9.0000e-005	1.1200e-003	0.0000	3.8000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3340	0.3340	1.0000e-005	0.0000	0.3342
Total	**1.3000e-004**	**9.0000e-005**	**1.1200e-003**	**0.0000**	**3.8000e-004**	**0.0000**	**3.8000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**0.3340**	**0.3340**	**1.0000e-005**	**0.0000**	**0.3342**

3.31 P4 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	0.0900	0.8209	0.9740	1.9500e-003		0.0362	0.0362		0.0340	0.0340	0.0000	168.5629	168.5629	0.0437	0.0000	169.6562
Total	**0.0900**	**0.8209**	**0.9740**	**1.9500e-003**		**0.0362**	**0.0362**		**0.0340**	**0.0340**	**0.0000**	**168.5629**	**168.5629**	**0.0437**	**0.0000**	**169.6562**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.7800e-003	1.1800e-003	1.0000e-005	3.4000e-004	0.0000	3.4000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	1.2612	1.2612	7.0000e-005	0.0000	1.2629
Worker	5.8000e-004	4.0000e-004	4.7900e-003	2.0000e-005	1.7600e-003	1.0000e-005	1.7700e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.4296	1.4296	3.0000e-005	0.0000	1.4305
Total	**6.9000e-004**	**4.1800e-003**	**5.9700e-003**	**3.0000e-005**	**2.1000e-003**	**1.0000e-005**	**2.1100e-003**	**5.7000e-004**	**1.0000e-005**	**5.8000e-004**	**0.0000**	**2.6908**	**2.6908**	**1.0000e-004**	**0.0000**	**2.6934**

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	0.0900	0.8209	0.9740	1.9500e-003		0.0362	0.0362		0.0340	0.0340	0.0000	168.5627	168.5627	0.0437	0.0000	169.6560
Total	**0.0900**	**0.8209**	**0.9740**	**1.9500e-003**		**0.0362**	**0.0362**		**0.0340**	**0.0340**	**0.0000**	**168.5627**	**168.5627**	**0.0437**	**0.0000**	**169.6560**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.7800e-003	1.1800e-003	1.0000e-005	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	1.2612	1.2612	7.0000e-005	0.0000	1.2629
Worker	5.8000e-004	4.0000e-004	4.7900e-003	2.0000e-005	1.6200e-003	1.0000e-005	1.6400e-003	4.3000e-004	1.0000e-005	4.5000e-004	0.0000	1.4296	1.4296	3.0000e-005	0.0000	1.4305
Total	**6.9000e-004**	**4.1800e-003**	**5.9700e-003**	**3.0000e-005**	**1.9400e-003**	**1.0000e-005**	**1.9600e-003**	**5.2000e-004**	**1.0000e-005**	**5.5000e-004**	**0.0000**	**2.6908**	**2.6908**	**1.0000e-004**	**0.0000**	**2.6934**

3.32 P4 Building Modernization - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8100e-003	0.0604	0.0189	2.1000e-004	5.3900e-003	7.0000e-005	5.4600e-003	1.5600e-003	7.0000e-005	1.6200e-003	0.0000	20.1793	20.1793	1.0900e-003	0.0000	20.2065
Worker	7.6900e-003	5.3400e-003	0.0639	2.1000e-004	0.0235	1.8000e-004	0.0236	6.2300e-003	1.7000e-004	6.3900e-003	0.0000	19.0618	19.0618	4.6000e-004	0.0000	19.0734
Total	**9.5000e-003**	**0.0658**	**0.0827**	**4.2000e-004**	**0.0288**	**2.5000e-004**	**0.0291**	**7.7900e-003**	**2.4000e-004**	**8.0100e-003**	**0.0000**	**39.2411**	**39.2411**	**1.5500e-003**	**0.0000**	**39.2799**

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

Mitigated Construction Off-Site

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

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8100e-003	0.0604	0.0189	2.1000e-004	5.0500e-003	7.0000e-005	5.1200e-003	1.4700e-003	7.0000e-005	1.5400e-003	0.0000	20.1793	20.1793	1.0900e-003	0.0000	20.2065
Worker	7.6900e-003	5.3400e-003	0.0639	2.1000e-004	0.0216	1.8000e-004	0.0218	5.7800e-003	1.7000e-004	5.9400e-003	0.0000	19.0618	19.0618	4.6000e-004	0.0000	19.0734
Total	**9.5000e-003**	**0.0658**	**0.0827**	**4.2000e-004**	**0.0267**	**2.5000e-004**	**0.0269**	**7.2500e-003**	**2.4000e-004**	**7.4800e-003**	**0.0000**	**39.2411**	**39.2411**	**1.5500e-003**	**0.0000**	**39.2799**

3.33 P4 Modernization 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	0.1108					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4400e-003	0.0165	0.0244	4.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	3.4469	3.4469	1.9000e-004	0.0000	3.4517
Total	**0.1133**	**0.0165**	**0.0244**	**4.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**3.4469**	**3.4469**	**1.9000e-004**	**0.0000**	**3.4517**

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	3.9000e-004	2.7000e-004	3.2200e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9620	0.9620	2.0000e-005	0.0000	0.9626
Total	**3.9000e-004**	**2.7000e-004**	**3.2200e-003**	**1.0000e-005**	**1.1800e-003**	**1.0000e-005**	**1.1900e-003**	**3.1000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**0.9620**	**0.9620**	**2.0000e-005**	**0.0000**	**0.9626**

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	0.1108					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4400e-003	0.0165	0.0244	4.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	3.4469	3.4469	1.9000e-004	0.0000	3.4517
Total	**0.1133**	**0.0165**	**0.0244**	**4.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**3.4469**	**3.4469**	**1.9000e-004**	**0.0000**	**3.4517**

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	3.9000e-004	2.7000e-004	3.2200e-003	1.0000e-005	1.0900e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9620	0.9620	2.0000e-005	0.0000	0.9626
Total	**3.9000e-004**	**2.7000e-004**	**3.2200e-003**	**1.0000e-005**	**1.0900e-003**	**1.0000e-005**	**1.1000e-003**	**2.9000e-004**	**1.0000e-005**	**3.0000e-004**	**0.0000**	**0.9620**	**0.9620**	**2.0000e-005**	**0.0000**	**0.9626**

3.34 P4 Pave Kindergarten Area - 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	2.4700e-003	0.0238	0.0366	6.0000e-005		1.1700e-003	1.1700e-003		1.0800e-003	1.0800e-003	0.0000	5.0066	5.0066	1.6200e-003	0.0000	5.0471
Paving	7.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0100**	**0.0238**	**0.0366**	**6.0000e-005**		**1.1700e-003**	**1.1700e-003**		**1.0800e-003**	**1.0800e-003**	**0.0000**	**5.0066**	**5.0066**	**1.6200e-003**	**0.0000**	**5.0471**

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	1.3000e-004	9.0000e-005	1.1200e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3340	0.3340	1.0000e-005	0.0000	0.3342
Total	**1.3000e-004**	**9.0000e-005**	**1.1200e-003**	**0.0000**	**4.1000e-004**	**0.0000**	**4.1000e-004**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**0.3340**	**0.3340**	**1.0000e-005**	**0.0000**	**0.3342**

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	2.4700e-003	0.0238	0.0366	6.0000e-005		1.1700e-003	1.1700e-003		1.0800e-003	1.0800e-003	0.0000	5.0066	5.0066	1.6200e-003	0.0000	5.0471
Paving	7.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0100**	**0.0238**	**0.0366**	**6.0000e-005**		**1.1700e-003**	**1.1700e-003**		**1.0800e-003**	**1.0800e-003**	**0.0000**	**5.0066**	**5.0066**	**1.6200e-003**	**0.0000**	**5.0471**

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	1.3000e-004	9.0000e-005	1.1200e-003	0.0000	3.8000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3340	0.3340	1.0000e-005	0.0000	0.3342

Total	**1.3000e-004**	**9.0000e-005**	**1.1200e-003**	**0.0000**	**3.8000e-004**	**0.0000**	**3.8000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**0.3340**	**0.3340**	**1.0000e-005**	**0.0000**	**0.3342**

3.35 P4 Kindergarten Architectual 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	0.0272					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5000e-004	3.0500e-003	4.5300e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6392
Total	**0.0276**	**3.0500e-003**	**4.5300e-003**	**1.0000e-005**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6392**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0223	0.0223	0.0000	0.0000	0.0223
Total	**1.0000e-005**	**1.0000e-005**	**7.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0223**	**0.0223**	**0.0000**	**0.0000**	**0.0223**

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	0.0272					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5000e-004	3.0500e-003	4.5300e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6392
Total	**0.0276**	**3.0500e-003**	**4.5300e-003**	**1.0000e-005**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6392**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0223	0.0223	0.0000	0.0000	0.0223
Total	**1.0000e-005**	**1.0000e-005**	**7.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0223**	**0.0223**	**0.0000**	**0.0000**	**0.0223**

3.36 P4 Remove Interim Portables - 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	1.1600e-003	0.0123	6.2100e-003	2.0000e-005		5.1000e-004	5.1000e-004		4.7000e-004	4.7000e-004	0.0000	1.7743	1.7743	5.7000e-004	0.0000	1.7886
Total	**1.1600e-003**	**0.0123**	**6.2100e-003**	**2.0000e-005**		**5.1000e-004**	**5.1000e-004**		**4.7000e-004**	**4.7000e-004**	**0.0000**	**1.7743**	**1.7743**	**5.7000e-004**	**0.0000**	**1.7886**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1000e-004	3.5200e-003	1.2300e-003	2.0000e-005	4.8000e-004	1.0000e-005	4.8000e-004	1.3000e-004	1.0000e-005	1.3000e-004	0.0000	1.5091	1.5091	1.0000e-004	0.0000	1.5116
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	3.0000e-005	3.1000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0935	0.0935	0.0000	0.0000	0.0936
Total	**1.5000e-004**	**3.5500e-003**	**1.5400e-003**	**2.0000e-005**	**6.0000e-004**	**1.0000e-005**	**6.0000e-004**	**1.6000e-004**	**1.0000e-005**	**1.6000e-004**	**0.0000**	**1.6026**	**1.6026**	**1.0000e-004**	**0.0000**	**1.6052**

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	1.1600e-003	0.0123	6.2100e-003	2.0000e-005		5.1000e-004	5.1000e-004		4.7000e-004	4.7000e-004	0.0000	1.7743	1.7743	5.7000e-004	0.0000	1.7886
Total	**1.1600e-003**	**0.0123**	**6.2100e-003**	**2.0000e-005**		**5.1000e-004**	**5.1000e-004**		**4.7000e-004**	**4.7000e-004**	**0.0000**	**1.7743**	**1.7743**	**5.7000e-004**	**0.0000**	**1.7886**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1000e-004	3.5200e-003	1.2300e-003	2.0000e-005	4.4000e-004	1.0000e-005	4.5000e-004	1.2000e-004	1.0000e-005	1.3000e-004	0.0000	1.5091	1.5091	1.0000e-004	0.0000	1.5116
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	3.0000e-005	3.1000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0935	0.0935	0.0000	0.0000	0.0936
Total	**1.5000e-004**	**3.5500e-003**	**1.5400e-003**	**2.0000e-005**	**5.5000e-004**	**1.0000e-005**	**5.6000e-004**	**1.5000e-004**	**1.0000e-005**	**1.6000e-004**	**0.0000**	**1.6026**	**1.6026**	**1.0000e-004**	**0.0000**	**1.6052**

3.36 P4 Remove Interim Portables - 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	4.7000e-004	4.7500e-003	2.6000e-003	1.0000e-005		2.0000e-004	2.0000e-004		1.9000e-004	1.9000e-004	0.0000	0.7604	0.7604	2.5000e-004	0.0000	0.7666
Total	**4.7000e-004**	**4.7500e-003**	**2.6000e-003**	**1.0000e-005**		**2.0000e-004**	**2.0000e-004**		**1.9000e-004**	**1.9000e-004**	**0.0000**	**0.7604**	**0.7604**	**2.5000e-004**	**0.0000**	**0.7666**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	1.4900e-003	5.3000e-004	1.0000e-005	4.3000e-004	0.0000	4.3000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.6432	0.6432	4.0000e-005	0.0000	0.6443
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	2.0000e-005	1.0000e-005	1.2000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0385	0.0385	0.0000	0.0000	0.0386
Total	**7.0000e-005**	**1.5000e-003**	**6.5000e-004**	**1.0000e-005**	**4.8000e-004**	**0.0000**	**4.8000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.6817**	**0.6817**	**4.0000e-005**	**0.0000**	**0.6828**

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	4.7000e-004	4.7500e-003	2.6000e-003	1.0000e-005		2.0000e-004	2.0000e-004		1.9000e-004	1.9000e-004	0.0000	0.7604	0.7604	2.5000e-004	0.0000	0.7666
Total	**4.7000e-004**	**4.7500e-003**	**2.6000e-003**	**1.0000e-005**		**2.0000e-004**	**2.0000e-004**		**1.9000e-004**	**1.9000e-004**	**0.0000**	**0.7604**	**0.7604**	**2.5000e-004**	**0.0000**	**0.7666**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	1.4900e-003	5.3000e-004	1.0000e-005	3.9000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.6432	0.6432	4.0000e-005	0.0000	0.6443
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	2.0000e-005	1.0000e-005	1.2000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0385	0.0385	0.0000	0.0000	0.0386
Total	**7.0000e-005**	**1.5000e-003**	**6.5000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**0.6817**	**0.6817**	**4.0000e-005**	**0.0000**	**0.6828**

3.37 P5 Asphalt 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	4.5800e-003	0.0429	0.0729	1.1000e-004		2.0900e-003	2.0900e-003		1.9300e-003	1.9300e-003	0.0000	10.0096	10.0096	3.2400e-003	0.0000	10.0906

Paving	7.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0121**	**0.0429**	**0.0729**	**1.1000e-004**		**2.0900e-003**	**2.0900e-003**		**1.9300e-003**	**1.9300e-003**	**0.0000**	**10.0096**	**10.0096**	**3.2400e-003**	**0.0000**	**10.0906**

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	2.6000e-004	1.7000e-004	2.0800e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6422	0.6422	1.0000e-005	0.0000	0.6426
Total	**2.6000e-004**	**1.7000e-004**	**2.0800e-003**	**1.0000e-005**	**8.2000e-004**	**1.0000e-005**	**8.3000e-004**	**2.2000e-004**	**1.0000e-005**	**2.2000e-004**	**0.0000**	**0.6422**	**0.6422**	**1.0000e-005**	**0.0000**	**0.6426**

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	4.5800e-003	0.0429	0.0729	1.1000e-004		2.0900e-003	2.0900e-003		1.9300e-003	1.9300e-003	0.0000	10.0096	10.0096	3.2400e-003	0.0000	10.0906
Paving	7.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.0121**	**0.0429**	**0.0729**	**1.1000e-004**		**2.0900e-003**	**2.0900e-003**		**1.9300e-003**	**1.9300e-003**	**0.0000**	**10.0096**	**10.0096**	**3.2400e-003**	**0.0000**	**10.0906**

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	2.6000e-004	1.7000e-004	2.0800e-003	1.0000e-005	7.6000e-004	1.0000e-005	7.6000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.6422	0.6422	1.0000e-005	0.0000	0.6426
Total	**2.6000e-004**	**1.7000e-004**	**2.0800e-003**	**1.0000e-005**	**7.6000e-004**	**1.0000e-005**	**7.6000e-004**	**2.0000e-004**	**1.0000e-005**	**2.1000e-004**	**0.0000**	**0.6422**	**0.6422**	**1.0000e-005**	**0.0000**	**0.6426**

3.38 P5 Finishing/Landscaping - 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	1.8700e-003	0.0164	0.0359	6.0000e-005		7.3000e-004	7.3000e-004		6.7000e-004	6.7000e-004	0.0000	4.9674	4.9674	1.6100e-003	0.0000	5.0076
Total	**1.8700e-003**	**0.0164**	**0.0359**	**6.0000e-005**		**7.3000e-004**	**7.3000e-004**		**6.7000e-004**	**6.7000e-004**	**0.0000**	**4.9674**	**4.9674**	**1.6100e-003**	**0.0000**	**5.0076**

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	1.4000e-004	9.0000e-005	1.1100e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3425	0.3425	1.0000e-005	0.0000	0.3427
Total	**1.4000e-004**	**9.0000e-005**	**1.1100e-003**	**0.0000**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.3425**	**0.3425**	**1.0000e-005**	**0.0000**	**0.3427**

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	1.8700e-003	0.0164	0.0359	6.0000e-005		7.3000e-004	7.3000e-004		6.7000e-004	6.7000e-004	0.0000	4.9674	4.9674	1.6100e-003	0.0000	5.0076
Total	**1.8700e-003**	**0.0164**	**0.0359**	**6.0000e-005**		**7.3000e-004**	**7.3000e-004**		**6.7000e-004**	**6.7000e-004**	**0.0000**	**4.9674**	**4.9674**	**1.6100e-003**	**0.0000**	**5.0076**

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	1.4000e-004	9.0000e-005	1.1100e-003	0.0000	4.0000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3425	0.3425	1.0000e-005	0.0000	0.3427
Total	**1.4000e-004**	**9.0000e-005**	**1.1100e-003**	**0.0000**	**4.0000e-004**	**0.0000**	**4.1000e-004**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**0.3425**	**0.3425**	**1.0000e-005**	**0.0000**	**0.3427**

Construction

Los Angeles-South Coast County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
P1 Architectural Coating - Modernization	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1 Architectural Coating-Secondary Bldg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1 Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1 Building Modernization	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1 Handball Ct Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1 Portables Installation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1 Portables Removal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1 Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1 Utility Trenching	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2 Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2 Classroom Bldg Demo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2 Construct Hardcourts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2 Fine Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2 Portables Removal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2 Rough Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2 Utility Trenching	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P3 Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P3 Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

P3 Building Modernization	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P3 Fine Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P3 Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P3 Pave ES Play Area	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P3 Portables Removal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P3 Rough Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P3 Tennis Courts Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P3 Utility Trenching	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P4 Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P4 Building Modernization	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P4 Kindergarten Architectual Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P4 Modernization Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P4 Pave Kindergarten Area	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P4 Remove Interim Portables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P4 Repaving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P4 Rough Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P4 Secondary Area Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P5 Asphalt Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P5 Finishing/Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	6	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	4	No Change	0.00
Cranes	Diesel	No Change	0	8	No Change	0.00
Excavators	Diesel	No Change	0	21	No Change	0.00
Forklifts	Diesel	No Change	0	9	No Change	0.00
Generator Sets	Diesel	No Change	0	3	No Change	0.00

Graders	Diesel	No Change	0	5	No Change	0.00
Pavers	Diesel	No Change	0	12	No Change	0.00
Paving Equipment	Diesel	No Change	0	13	No Change	0.00
Rollers	Diesel	No Change	0	12	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	16	No Change	0.00
Skid Steer Loaders	Diesel	No Change	0	1	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	31	No Change	0.00
Welders	Diesel	No Change	0	3	No Change	0.00
Bore/Drill Rigs	Diesel	No Change	0	3	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	5.53000E-003	3.75700E-002	5.34300E-002	9.00000E-005	1.97000E-003	1.97000E-003	0.00000E+000	7.53210E+000	7.53210E+000	4.40000E-004	0.00000E+000	7.54318E+000
Bore/Drill Rigs	1.79100E-002	1.77740E-001	1.63650E-001	7.60000E-004	5.67000E-003	5.22000E-003	0.00000E+000	6.63771E+001	6.63771E+001	2.14700E-002	0.00000E+000	6.69138E+001
Concrete/Industrial Saws	1.15500E-002	9.01400E-002	1.20860E-001	2.10000E-004	4.71000E-003	4.71000E-003	0.00000E+000	1.77427E+001	1.77427E+001	9.40000E-004	0.00000E+000	1.77661E+001
Cranes	8.20000E-002	9.02620E-001	4.22240E-001	1.32000E-003	3.73200E-002	3.43400E-002	0.00000E+000	1.15866E+002	1.15866E+002	3.74700E-002	0.00000E+000	1.16803E+002
Excavators	3.32500E-002	2.90040E-001	5.33280E-001	8.40000E-004	1.41000E-002	1.29700E-002	0.00000E+000	7.41806E+001	7.41806E+001	2.39900E-002	0.00000E+000	7.47804E+001
Forklifts	7.57600E-002	7.04300E-001	8.24860E-001	1.10000E-003	4.43100E-002	4.07700E-002	0.00000E+000	9.64883E+001	9.64883E+001	3.12100E-002	0.00000E+000	9.72685E+001
Generator Sets	7.41200E-002	6.59310E-001	8.79140E-001	1.58000E-003	3.12100E-002	3.12100E-002	0.00000E+000	1.35367E+002	1.35367E+002	5.98000E-003	0.00000E+000	1.35517E+002
Graders	4.32000E-003	5.31000E-002	1.87000E-002	7.00000E-005	1.71000E-003	1.57000E-003	0.00000E+000	6.39634E+000	6.39634E+000	2.07000E-003	0.00000E+000	6.44805E+000
Pavers	9.32000E-003	8.90800E-002	1.44590E-001	2.40000E-004	4.18000E-003	3.84000E-003	0.00000E+000	2.06452E+001	2.06452E+001	6.68000E-003	0.00000E+000	2.08121E+001
Paving Equipment	8.93000E-003	8.12300E-002	1.40750E-001	2.20000E-004	3.95000E-003	3.64000E-003	0.00000E+000	1.96799E+001	1.96799E+001	6.36000E-003	0.00000E+000	1.98391E+001
Rollers	7.40000E-003	7.74200E-002	9.25700E-002	1.30000E-004	4.14000E-003	3.81000E-003	0.00000E+000	1.15267E+001	1.15267E+001	3.73000E-003	0.00000E+000	1.16199E+001
Rubber Tired Dozers	6.54300E-002	6.83210E-001	2.77920E-001	6.80000E-004	3.20100E-002	2.94500E-002	0.00000E+000	6.00260E+001	6.00260E+001	1.94100E-002	0.00000E+000	6.05113E+001
Skid Steer Loaders	3.00000E-004	3.96000E-003	6.90000E-003	1.00000E-005	1.20000E-004	1.10000E-004	0.00000E+000	9.09340E-001	9.09340E-001	2.90000E-004	0.00000E+000	9.16690E-001
Tractors/Loaders/Backhoes	1.12950E-001	1.14218E+000	1.60017E+000	2.22000E-003	5.85300E-002	5.38500E-002	0.00000E+000	1.95314E+002	1.95314E+002	6.31700E-002	0.00000E+000	1.96893E+002
Welders	6.18500E-002	3.41270E-001	4.02780E-001	6.10000E-004	1.35200E-002	1.35200E-002	0.00000E+000	4.50788E+001	4.50788E+001	5.02000E-003	0.00000E+000	4.52044E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	5.53000E-003	3.75700E-002	5.34300E-002	9.00000E-005	1.97000E-003	1.97000E-003	0.00000E+000	7.53209E+000	7.53209E+001	4.40000E-004	0.00000E+000	7.54317E+000
Bore/Drill Rigs	1.79100E-002	1.77740E-001	1.63650E-001	7.60000E-004	5.67000E-003	5.22000E-003	0.00000E+000	6.63771E+001	6.63771E+001	2.14700E-002	0.00000E+000	6.69138E+001
Concrete/Industrial Saws	1.15500E-002	9.01400E-002	1.20860E-001	2.10000E-004	4.71000E-003	4.71000E-003	0.00000E+000	1.77427E+001	1.77427E+001	9.40000E-004	0.00000E+000	1.77660E+001
Cranes	8.20000E-002	9.02620E-001	4.22240E-001	1.32000E-003	3.73200E-002	3.43400E-002	0.00000E+000	1.15866E+002	1.15866E+002	3.74700E-002	0.00000E+000	1.16802E+002
Excavators	3.32500E-002	2.90040E-001	5.33280E-001	8.40000E-004	1.41000E-002	1.29700E-002	0.00000E+000	7.41805E+001	7.41805E+001	2.39900E-002	0.00000E+000	7.47803E+001
Forklifts	7.57600E-002	7.04300E-001	8.24860E-001	1.10000E-003	4.43100E-002	4.07700E-002	0.00000E+000	9.64882E+001	9.64882E+001	3.12100E-002	0.00000E+000	9.72684E+001
Generator Sets	7.41200E-002	6.59310E-001	8.79140E-001	1.58000E-003	3.12100E-002	3.12100E-002	0.00000E+000	1.35367E+002	1.35367E+002	5.98000E-003	0.00000E+000	1.35517E+002
Graders	4.32000E-003	5.31000E-002	1.87000E-002	7.00000E-005	1.71000E-003	1.57000E-003	0.00000E+000	6.39633E+000	6.39633E+000	2.07000E-003	0.00000E+000	6.44805E+000
Pavers	9.32000E-003	8.90800E-002	1.44590E-001	2.40000E-004	4.18000E-003	3.84000E-003	0.00000E+000	2.06451E+001	2.06451E+001	6.68000E-003	0.00000E+000	2.08121E+001
Paving Equipment	8.93000E-003	8.12300E-002	1.40750E-001	2.20000E-004	3.95000E-003	3.64000E-003	0.00000E+000	1.96799E+001	1.96799E+001	6.36000E-003	0.00000E+000	1.98390E+001
Rollers	7.40000E-003	7.74200E-002	9.25700E-002	1.30000E-004	4.14000E-003	3.81000E-003	0.00000E+000	1.15267E+001	1.15267E+001	3.73000E-003	0.00000E+000	1.16199E+001
Rubber Tired Dozers	6.54300E-002	6.83210E-001	2.77920E-001	6.80000E-004	3.20100E-002	2.94500E-002	0.00000E+000	6.00259E+001	6.00259E+001	1.94100E-002	0.00000E+000	6.05113E+001
Skid Steer Loaders	3.00000E-004	3.96000E-003	6.90000E-003	1.00000E-005	1.20000E-004	1.10000E-004	0.00000E+000	9.09340E-001	9.09340E-001	2.90000E-004	0.00000E+000	9.16690E-001
Tractors/Loaders/Backhoes	1.12950E-001	1.14218E+000	1.60016E+000	2.22000E-003	5.85300E-002	5.38500E-002	0.00000E+000	1.95313E+002	1.95313E+002	6.31700E-002	0.00000E+000	1.96893E+002
Welders	6.18500E-002	3.41270E-001	4.02780E-001	6.10000E-004	1.35200E-002	1.35200E-002	0.00000E+000	4.50788E+001	4.50788E+001	5.02000E-003	0.00000E+000	4.52043E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Percent Reduction											
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.32765E-006	1.32765E-006	0.00000E+000	0.00000E+000	1.32570E-006
Bore/Drill Rigs	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20523E-006	1.20523E-006	0.00000E+000	0.00000E+000	1.19557E-006
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.12723E-006	1.12723E-006	0.00000E+000	0.00000E+000	1.12574E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20829E-006	1.20829E-006	0.00000E+000	0.00000E+000	1.19860E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21325E-006	1.21325E-006	0.00000E+000	0.00000E+000	1.20352E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.24367E-006	1.24367E-006	0.00000E+000	0.00000E+000	1.13089E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.25584E-006	1.25584E-006	0.00000E+000	0.00000E+000	1.18067E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.56339E-006	1.56339E-006	0.00000E+000	0.00000E+000	0.00000E+000

Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.45313E-006	1.45313E-006	0.00000E+000	0.00000E+000	9.60981E-007
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.52439E-006	1.52439E-006	0.00000E+000	0.00000E+000	1.51217E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.73510E-006	1.73510E-006	0.00000E+000	0.00000E+000	8.60592E-007
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16616E-006	1.16616E-006	0.00000E+000	0.00000E+000	1.15681E-006
Skid Steer Loaders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	6.24934E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17759E-006	1.17759E-006	0.00000E+000	0.00000E+000	1.21894E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.10917E-006	1.10917E-006	0.00000E+000	0.00000E+000	1.10609E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
Yes	Replace Ground Cover of Area Disturbed	PM10 Reduction	5.00	PM2.5 Reduction	5.00		
Yes	Water Exposed Area	PM10 Reduction	55.00	PM2.5 Reduction	55.00	Frequency (per day)	2.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	15.00		
Yes	Clean Paved Road	% PM Reduction	9.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
P1 Architectural Coating - Modernization	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P1 Architectural Coating - Modernization	Roads	0.00	0.00	0.00	0.00	0.11	0.00
P1 Architectural Coating-Secondary Bldg	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P1 Architectural Coating-Secondary Bldg	Roads	0.00	0.00	0.00	0.00	0.09	0.00
P1 Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P1 Building Construction	Roads	0.02	0.01	0.02	0.00	0.08	0.07
P1 Building Modernization	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P1 Building Modernization	Roads	0.02	0.01	0.02	0.00	0.08	0.07

P1 Handball Ct Demolition	Fugitive Dust	0.00	0.00	0.00	0.00	0.57	0.57
P1 Handball Ct Demolition	Roads	0.00	0.00	0.00	0.00	0.07	0.09
P1 Portables Installation	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P1 Portables Installation	Roads	0.00	0.00	0.00	0.00	0.07	0.06
P1 Portables Removal	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P1 Portables Removal	Roads	0.00	0.00	0.00	0.00	0.07	0.13
P1 Site Preparation	Fugitive Dust	0.02	0.01	0.01	0.00	0.57	0.57
P1 Site Preparation	Roads	0.00	0.00	0.00	0.00	0.10	0.00
P1 Utility Trenching	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P1 Utility Trenching	Roads	0.00	0.00	0.00	0.00	0.08	0.06
P2 Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P2 Architectural Coating	Roads	0.00	0.00	0.00	0.00	0.07	0.00
P2 Classroom Bldg Demo	Fugitive Dust	0.01	0.00	0.01	0.00	0.57	0.57
P2 Classroom Bldg Demo	Roads	0.00	0.00	0.00	0.00	0.07	0.06
P2 Construct Hardcourts	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P2 Construct Hardcourts	Roads	0.00	0.00	0.00	0.00	0.07	0.09
P2 Fine Grading	Fugitive Dust	0.01	0.01	0.01	0.00	0.57	0.57
P2 Fine Grading	Roads	0.00	0.00	0.00	0.00	0.09	0.11
P2 Portables Removal	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P2 Portables Removal	Roads	0.00	0.00	0.00	0.00	0.07	0.00
P2 Rough Grading	Fugitive Dust	0.01	0.01	0.01	0.00	0.57	0.57
P2 Rough Grading	Roads	0.00	0.00	0.00	0.00	0.09	0.11
P2 Utility Trenching	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P2 Utility Trenching	Roads	0.00	0.00	0.00	0.00	0.07	0.09
P3 Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P3 Architectural Coating	Roads	0.00	0.00	0.00	0.00	0.06	0.00
P3 Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P3 Building Construction	Roads	0.02	0.01	0.02	0.01	0.08	0.07
P3 Building Modernization	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00

P3 Building Modernization	Roads	0.01	0.00	0.01	0.00	0.08	0.07
P3 Fine Grading	Fugitive Dust	0.02	0.01	0.01	0.00	0.57	0.57
P3 Fine Grading	Roads	0.00	0.00	0.00	0.00	0.08	0.08
P3 Parking Lot	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P3 Parking Lot	Roads	0.00	0.00	0.00	0.00	0.07	0.09
P3 Pave ES Play Area	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P3 Pave ES Play Area	Roads	0.00	0.00	0.00	0.00	0.07	0.09
P3 Portables Removal	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P3 Portables Removal	Roads	0.00	0.00	0.00	0.00	0.00	0.00
P3 Rough Grading	Fugitive Dust	0.02	0.01	0.01	0.00	0.57	0.57
P3 Rough Grading	Roads	0.00	0.00	0.00	0.00	0.08	0.08
P3 Tennis Courts Demolition	Fugitive Dust	0.02	0.00	0.01	0.00	0.57	0.57
P3 Tennis Courts Demolition	Roads	0.00	0.00	0.00	0.00	0.07	0.06
P3 Utility Trenching	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P3 Utility Trenching	Roads	0.00	0.00	0.00	0.00	0.10	0.00
P4 Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P4 Building Construction	Roads	0.00	0.00	0.00	0.00	0.08	0.09
P4 Building Modernization	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P4 Building Modernization	Roads	0.03	0.01	0.03	0.01	0.08	0.07
P4 Kindergarten Architectual Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P4 Kindergarten Architectual Coating	Roads	0.00	0.00	0.00	0.00	0.00	0.00
P4 Modernization Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P4 Modernization Architectural Coating	Roads	0.00	0.00	0.00	0.00	0.08	0.06
P4 Pave Kindergarten Area	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P4 Pave Kindergarten Area	Roads	0.00	0.00	0.00	0.00	0.07	0.09
P4 Remove Interim Portables	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P4 Remove Interim Portables	Roads	0.00	0.00	0.00	0.00	0.08	0.07
P4 Repaving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P4 Repaving	Roads	0.00	0.00	0.00	0.00	0.07	0.09

P4 Rough Grading	Fugitive Dust	0.01	0.00	0.00	0.00	0.57	0.57
P4 Rough Grading	Roads	0.00	0.00	0.00	0.00	0.06	0.00
P4 Secondary Area Demolition	Fugitive Dust	0.01	0.00	0.00	0.00	0.57	0.57
P4 Secondary Area Demolition	Roads	0.00	0.00	0.00	0.00	0.07	0.07
P5 Asphalt Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P5 Asphalt Paving	Roads	0.00	0.00	0.00	0.00	0.07	0.09
P5 Finishing/Landscaping	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
P5 Finishing/Landscaping	Roads	0.00	0.00	0.00	0.00	0.09	0.08

Construction - Mitigated - Los Angeles-South Coast County, Summer

Construction - Mitigated

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	86.89	1000sqft	3.00	86,885.00	0
Other Asphalt Surfaces	4.89	Acre	5.50	212,985.00	0
Parking Lot	0.26	Acre	0.26	11,235.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on the project description.

Construction Phase - Based on project description

Off-road Equipment - .

Off-road Equipment -

Trips and VMT - See assumptions for for details.

Demolition -

Architectural Coating - See assumptions file in the AQ/GHG appendix for details.

Vehicle Trips - .

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186. DPF per SC-AQ-4.

Area Mitigation - Require use of paints with VOC content of 50 g/L or less per SC-AQ-4.

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialInterior Value	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstructionPhase	NumDays	10.00	2.00
tblLandUse	LandUseSquareFeet	86,890.00	86,885.00
tblLandUse	LandUseSquareFeet	213,008.40	212,985.00
tblLandUse	LandUseSquareFeet	11,325.60	11,235.00
tblLandUse	LotAcreage	1.99	3.00
tblLandUse	LotAcreage	4.89	5.50
tblVehicleTrips	WD_TR	15.43	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.9653	40.5501	21.8793	0.0401	18.2675	2.0461	20.3135	9.9840	1.8824	11.8664	0.0000	3,890.6355	3,890.6355	1.1981	0.0000	3,920.5869
Maximum	**3.9653**	**40.5501**	**21.8793**	**0.0401**	**18.2675**	**2.0461**	**20.3135**	**9.9840**	**1.8824**	**11.8664**	**0.0000**	**3,890.6355**	**3,890.6355**	**1.1981**	**0.0000**	**3,920.5869**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.9653	40.5501	21.8793	0.0401	6.8790	1.0239	7.9029	3.7288	0.9420	4.6708	0.0000	3,890.6355	3,890.6355	1.1981	0.0000	3,920.5869
Maximum	**3.9653**	**40.5501**	**21.8793**	**0.0401**	**6.8790**	**1.0239**	**7.9029**	**3.7288**	**0.9420**	**4.6708**	**0.0000**	**3,890.6355**	**3,890.6355**	**1.1981**	**0.0000**	**3,920.5869**

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

Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**62.34**	**49.96**	**61.10**	**62.65**	**49.96**	**60.64**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P1 Site Preparation	Site Preparation	7/1/2021	7/2/2021	5	2	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.76

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
P1 Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
P1 Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use DPF for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 P1 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296
Total	**0.0772**	**0.0530**	**0.7250**	**2.0600e-003**	**0.2012**	**1.6300e-003**	**0.2028**	**0.0534**	**1.5000e-003**	**0.0549**		**204.9786**	**204.9786**	**6.0400e-003**		**205.1296**

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					6.6936	0.0000	6.6936	3.6793	0.0000	3.6793			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		1.0222	1.0222		0.9405	0.9405	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**6.6936**	**1.0222**	**7.7158**	**3.6793**	**0.9405**	**4.6198**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.1855	1.6300e-003	0.1871	0.0495	1.5000e-003	0.0510		204.9786	204.9786	6.0400e-003		205.1296
Total	**0.0772**	**0.0530**	**0.7250**	**2.0600e-003**	**0.1855**	**1.6300e-003**	**0.1871**	**0.0495**	**1.5000e-003**	**0.0510**		**204.9786**	**204.9786**	**6.0400e-003**		**205.1296**

Construction - Mitigated

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	86.89	1000sqft	3.00	86,885.00	0
Other Asphalt Surfaces	4.89	Acre	5.50	212,985.00	0
Parking Lot	0.26	Acre	0.26	11,235.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on the project description.

Construction Phase - Based on project description

Off-road Equipment - .

Off-road Equipment -

Trips and VMT - See assumptions for for details.

Demolition -

Architectural Coating - See assumptions file in the AQ/GHG appendix for details.

Vehicle Trips - .

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186. DPF per SC-AQ-4.

Area Mitigation - Require use of paints with VOC content of 50 g/L or less per SC-AQ-4.

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialInterior Value	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstructionPhase	NumDays	10.00	2.00
tblLandUse	LandUseSquareFeet	86,890.00	86,885.00
tblLandUse	LandUseSquareFeet	213,008.40	212,985.00
tblLandUse	LandUseSquareFeet	11,325.60	11,235.00
tblLandUse	LotAcreage	1.99	3.00
tblLandUse	LotAcreage	4.89	5.50
tblVehicleTrips	WD_TR	15.43	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.9740	40.5558	21.8171	0.0400	18.2675	2.0461	20.3135	9.9840	1.8824	11.8664	0.0000	3,878.6621	3,878.6621	1.1977	0.0000	3,908.6045
Maximum	**3.9740**	**40.5558**	**21.8171**	**0.0400**	**18.2675**	**2.0461**	**20.3135**	**9.9840**	**1.8824**	**11.8664**	**0.0000**	**3,878.6621**	**3,878.6621**	**1.1977**	**0.0000**	**3,908.6045**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.9740	40.5558	21.8171	0.0400	6.8790	1.0239	7.9029	3.7288	0.9420	4.6708	0.0000	3,878.6621	3,878.6621	1.1977	0.0000	3,908.6045
Maximum	**3.9740**	**40.5558**	**21.8171**	**0.0400**	**6.8790**	**1.0239**	**7.9029**	**3.7288**	**0.9420**	**4.6708**	**0.0000**	**3,878.6621**	**3,878.6621**	**1.1977**	**0.0000**	**3,908.6045**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**62.34**	**49.96**	**61.10**	**62.65**	**49.96**	**60.64**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P1 Site Preparation	Site Preparation	7/1/2021	7/2/2021	5	2	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.76

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
P1 Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
P1 Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use DPF for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 P1 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0858	0.0587	0.6629	1.9400e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		193.0052	193.0052	5.6800e-003		193.1472
Total	**0.0858**	**0.0587**	**0.6629**	**1.9400e-003**	**0.2012**	**1.6300e-003**	**0.2028**	**0.0534**	**1.5000e-003**	**0.0549**		**193.0052**	**193.0052**	**5.6800e-003**		**193.1472**

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					6.6936	0.0000	6.6936	3.6793	0.0000	3.6793			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		1.0222	1.0222		0.9405	0.9405	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**6.6936**	**1.0222**	**7.7158**	**3.6793**	**0.9405**	**4.6198**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0858	0.0587	0.6629	1.9400e-003	0.1855	1.6300e-003	0.1871	0.0495	1.5000e-003	0.0510		193.0052	193.0052	5.6800e-003		193.1472
Total	**0.0858**	**0.0587**	**0.6629**	**1.9400e-003**	**0.1855**	**1.6300e-003**	**0.1871**	**0.0495**	**1.5000e-003**	**0.0510**		**193.0052**	**193.0052**	**5.6800e-003**		**193.1472**

Construction - Mitigated

Los Angeles-South Coast County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
P1 Site Preparation	0.00	0.00	0.00	0.00	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Rubber Tired Dozers	Diesel	No Change	3	3	Level 2	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	4	4	Level 2	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Rubber Tired Dozers	3.14000E-003	3.29100E-002	1.21100E-002	3.00000E-005	1.60000E-003	1.47000E-003	0.00000E+000	2.25168E+000	2.25168E+000	7.30000E-004	0.00000E+000	2.26989E+000
Tractors/Loaders/Backhoes	7.50000E-004	7.58000E-003	9.04000E-003	1.00000E-005	4.50000E-004	4.10000E-004	0.00000E+000	1.09189E+000	1.09189E+000	3.50000E-004	0.00000E+000	1.10072E+000

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Rubber Tired Dozers	3.14000E-003	3.29100E-002	1.21100E-002	3.00000E-005	8.00000E-004	7.30000E-004	0.00000E+000	2.25168E+000	2.25168E+000	7.30000E-004	0.00000E+000	2.26989E+000
Tractors/Loaders/Backhoes	7.50000E-004	7.58000E-003	9.04000E-003	1.00000E-005	2.20000E-004	2.10000E-004	0.00000E+000	1.09189E+000	1.09189E+000	3.50000E-004	0.00000E+000	1.10071E+000

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	5.00000E-001	5.03401E-001	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	5.11111E-001	4.87805E-001	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	9.08496E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
Yes	Soil Stabilizer for unpaved Roads	PM10 Reduction	84.00	PM2.5 Reduction	84.00		
Yes	Replace Ground Cover of Area Disturbed	PM10 Reduction	5.00	PM2.5 Reduction	5.00		
Yes	Water Exposed Area	PM10 Reduction	61.00	PM2.5 Reduction	61.00	Frequency (per day)	3.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	15.00		
Yes	Clean Paved Road	% PM Reduction	9.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
P1 Site Preparation	Fugitive Dust	0.02	0.01	0.01	0.00	0.63	0.63
P1 Site Preparation	Roads	0.00	0.00	0.00	0.00	0.10	0.00

Construction Localized Significance Thresholds: Site Preparation

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
12	3.50	25	82	8.76

Source Receptor	**South Central LA County**	**Equipment**	**Acres/8-hr Day**		**Equipment Used**	**Daily Hours**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625	4	8	2
NOx	**82**	Graders	0.5	0.0625			0
CO	**488**	Dozers	0.5	0.0625	3	8	1.5
PM10	**9.99**	Scrapers	1	0.125			0
PM2.5	**5.50**					**Acres**	3.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	3	76	74	80	92	124
	4	87	84	90	101	132
		82	79	85	97	128
CO	3	441	636	1017	2049	6438
	4	535	758	1192	2282	6913
		488	697	1105	2166	6676
PM10	3	9	27	41	69	153
	4	11	34	48	76	159
		10	31	45	73	156
PM2.5	3	5	7	11	22	78
	4	6	9	13	24	82
		6	8	12	23	80

South Central LA County

3.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	82	79	85	97	128
CO	488	697	1105	2166	6676
PM10	10	31	45	73	156
PM2.5	6	8	12	23	80

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
12	3	12	4
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: P1 Utility Trenching & Portables Installation

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
12	0.50	25	82	8.76

Source Receptor Distance (meters)	South Central LA County 25	Equipment	Acres/8-hr Day		Equipment Used	Daily hours	Acres
NOx	**46**	Tractors	0.5	0.0625	1	8	0.5
CO	**231**	Graders	0.5	0.0625			0
PM10	**4.00**	Dozers	0.5	0.0625			0
PM2.5	**3.00**	Scrapers	1	0.125			0
						Acres	0.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	46	46	54	70	109
	1	46	46	54	70	109
		46	46	54	70	109
CO	1	231	342	632	1545	5452
	1	231	342	632	1545	5452
		231	342	632	1545	5452
PM10	1	4	12	26	54	139
	1	4	12	26	54	139
		4	12	26	54	139
PM2.5	1	3	4	7	17	70
	1	3	4	7	17	70
		3	4	7	17	70

South Central LA County

0.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	46	46	54	70	109
CO	231	342	632	1545	5452
PM10	4	12	26	54	139
PM2.5	3	4	7	17	70

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
12	1	12	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: P1 Utility Trenching

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
12	0.50	25	82	8.76

Source Receptor Distance (meters)	South Central LA County	Equipment	Acres/8-hr Day		Equipment Used	Daily Hours	Acres
	25	Tractors	0.5	0.0625	1	8	0.5
NOx	**46**	Graders	0.5	0.0625			0
CO	**231**	Dozers	0.5	0.0625			0
PM10	**4.00**	Scrapers	1	0.125			0
PM2.5	**3.00**					**Acres**	0.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	46	46	54	70	109
	1	46	46	54	70	109
		46	46	54	70	109
CO	1	231	342	632	1545	5452
	1	231	342	632	1545	5452
		231	342	632	1545	5452
PM10	1	4	12	26	54	139
	1	4	12	26	54	139
		4	12	26	54	139
PM2.5	1	3	4	7	17	70
	1	3	4	7	17	70
		3	4	7	17	70

South Central LA County

0.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	46	46	54	70	109
CO	231	342	632	1545	5452
PM10	4	12	26	54	139
PM2.5	3	4	7	17	70

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
12	1	12	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: P1 Utility Trenching & Portables Removal

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
12	0.50	25	82	8.76

Source Receptor Distance (meters)	South Central LA County 25	Equipment	Acres/8-hr Day		Equipment Used	Daily hours	Acres
NOx	**46**	Tractors	0.5	0.0625	1	8	0.5
CO	**231**	Graders	0.5	0.0625			0
PM10	**4.00**	Dozers	0.5	0.0625			0
PM2.5	**3.00**	Scrapers	1	0.125			0
						Acres	0.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	46	46	54	70	109
	1	46	46	54	70	109
		46	46	54	70	109
CO	1	231	342	632	1545	5452
	1	231	342	632	1545	5452
		231	342	632	1545	5452
PM10	1	4	12	26	54	139
	1	4	12	26	54	139
		4	12	26	54	139
PM2.5	1	3	4	7	17	70
	1	3	4	7	17	70
		3	4	7	17	70

South Central LA County

0.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	46	46	54	70	109
CO	231	342	632	1545	5452
PM10	4	12	26	54	139
PM2.5	3	4	7	17	70

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
12	1	12	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: P1 Utility Trenching & Handball Court Demolition

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
12	1.50	25	82	8.76

Source Receptor Distance (meters)	South Central LA County	Equipment	Acres/8-hr Day		Equipment Used	Daily hours	Acres
	25	Tractors	0.5	0.0625	1	8	0.5
NOx	**56**	Graders	0.5	0.0625			0
CO	**288**	Dozers	0.5	0.0625	2	8	1
PM10	**5.50**	Scrapers	1	0.125			0
PM2.5	**3.50**					**Acres**	1.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	46	46	54	70	109
	2	65	64	69	82	117
		56	55	62	76	113
CO	1	231	342	632	1545	5452
	2	346	515	841	1817	5962
		289	429	737	1681	5707
PM10	1	4	12	26	54	139
	2	7	20	34	62	146
		6	16	30	58	143
PM2.5	1	3	4	7	17	70
	2	4	6	9	19	74
		4	5	8	18	72

South Central LA County

1.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	56	55	62	76	113
CO	289	429	737	1681	5707
PM10	6	16	30	58	143
PM2.5	4	5	8	18	72

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
12	1	12	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: P1 Building Construction & Modernizations

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
12	1.31	25	82	8.76

Source Receptor	South Central LA County	Equipment	Acres/8-hr Day		Equipment Used	Daily hours	Acres
Distance (meters)	25	Tractors	0.5	0.0625	3	7	1.3125
NOx	**52**	Graders	0.5	0.0625			0
CO	**267**	Dozers	0.5	0.0625			0
PM10	**4.94**	Scrapers	1	0.125			0
PM2.5	**3.31**					**Acres**	1.31

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	46	46	54	70	109
	2	65	64	69	82	117
		52	52	59	74	112
CO	1	231	342	632	1545	5452
	2	346	515	841	1817	5962
		267	396	697	1630	5611
PM10	1	4	12	26	54	139
	2	7	20	34	62	146
		5	15	29	57	141
PM2.5	1	3	4	7	17	70
	2	4	6	9	19	74
		3	5	8	18	71

South Central LA County

1.31 Acres

	25	**50**	**100**	**200**	**500**
NOx	52	52	59	74	112
CO	267	396	697	1630	5611
PM10	5	15	29	57	141
PM2.5	3	5	8	18	71

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
12	1	12	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: P1 Utility Trenching, Building Construction, & Modernization

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
12	1.81	25	82	8.76

Source Receptor	South Central LA County	Equipment	Acres/8-hr Day		Equipment Used	Daily Hours	Acres
Distance (meters)	25	Tractors	0.5	0.0625	3	7	1.3125
NOx	**61**	Tractors	0.5	0.0625	1	8	0.5
CO	**324**	Graders	0.5	0.0625			0
PM10	**6.43**	Dozers	0.5	0.0625			0
PM2.5	**3.81**	Scrapers	1	0.125			0
						Acres	1.81

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	46	46	54	70	109
	2	65	64	69	82	117
		61	61	66	80	116
CO	1	231	342	632	1545	5452
	2	346	515	841	1817	5962
		324	483	802	1766	5866
PM10	1	4	12	26	54	139
	2	7	20	34	62	146
		6	19	33	61	145
PM2.5	1	3	4	7	17	70
	2	4	6	9	19	74
		4	6	9	19	73

South Central LA County

1.81 Acres

	25	**50**	**100**	**200**	**500**
NOx	61	61	66	80	116
CO	324	483	802	1766	5866
PM10	6	19	33	61	145
PM2.5	4	6	9	19	73

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
12	1	12	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: P1 Building Construction/Coating & Modernization/Coating

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
12	1.31	25	82	8.76

Source Receptor	South Central LA County	Equipment	Acres/8-hr Day		Equipment Used	Daily Hours	Acres
Distance (meters)	25	Tractors	0.5	0.0625	3	7	1.3125
NOx	**52**	Graders	0.5	0.0625			0
CO	**267**	Dozers	0.5	0.0625			0
PM10	**4.94**	Scrapers	1	0.125			0
PM2.5	**3.31**					**Acres**	1.31

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	46	46	54	70	109
	2	65	64	69	82	117
		52	52	59	74	112
CO	1	231	342	632	1545	5452
	2	346	515	841	1817	5962
		267	396	697	1630	5611
PM10	1	4	12	26	54	139
	2	7	20	34	62	146
		5	15	29	57	141
PM2.5	1	3	4	7	17	70
	2	4	6	9	19	74
		3	5	8	18	71

South Central LA County

1.31 Acres

	25	**50**	**100**	**200**	**500**
NOx	52	52	59	74	112
CO	267	396	697	1630	5611
PM10	5	15	29	57	141
PM2.5	3	5	8	18	71

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
12	1	12	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: P2 Classroom Demolition

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
12	1.00	25	82	8.76

Source Receptor	South Central LA County
Distance (meters)	25
NOx	**46**
CO	**231**
PM10	**4.00**
PM2.5	**3.00**

Equipment	Acres/8-hr Day		Equipment U	Daily hours	Acres
Tractors	0.5	0.0625			0
Graders	0.5	0.0625			0
Dozers	0.5	0.0625	2	8	1
Scrapers	1	0.125			0
				Acres	1.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	46	46	54	70	109
	1	46	46	54	70	109
		46	46	54	70	109
CO	1	231	342	632	1545	5452
	1	231	342	632	1545	5452
		231	342	632	1545	5452
PM10	1	4	12	26	54	139
	1	4	12	26	54	139
		4	12	26	54	139
PM2.5	1	3	4	7	17	70
	1	3	4	7	17	70
		3	4	7	17	70

South Central LA County

1.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	46	46	54	70	109
CO	231	342	632	1545	5452
PM10	4	12	26	54	139
PM2.5	3	4	7	17	70

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
12	1	12	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: P2 Rough Grading

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
12	2.50	25	82	8.76

Source Receptor	**South Central LA County**	**Equipment**	**Acres/8-hr Day**		**Equipment U**	**Daily hours**	**Acres**	
Distance (meters)	25	Tractors	0.5	0.0625	3	8	1.5	
NOx	**71**	Graders	0.5	0.0625	1	8	0.5	
CO	**393**	Dozers	0.5	0.0625	1	8	0.5	
PM10	**8.00**	Scrapers	1	0.125			0	
PM2.5	**4.50**					**Acres**	2.50	

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	2	65	64	69	82	117
	3	76	74	80	92	124
		71	69	74	87	121
CO	2	346	515	841	1817	5962
	3	441	636	1017	2049	6438
		393	576	929	1933	6200
PM10	2	7	20	34	62	146
	3	9	27	41	69	153
		8	24	38	66	149
PM2.5	2	4	6	9	19	74
	3	5	7	11	22	78
		5	7	10	20	76

South Central LA County

2.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	71	69	74	87	121
CO	393	576	929	1933	6200
PM10	8	24	38	66	149
PM2.5	5	7	10	20	76

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
12	2	12	3
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: P2 Utility Trenching

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
12	0.50	25	82	8.76

Source Receptor	South Central LA County	Equipment	Acres/8-hr Day		Equipment Used	Daily hours	Acres
Distance (meters)	25	Tractors	0.5	0.0625	1	8	0.5
NOx	**46**	Graders	0.5	0.0625			0
CO	**231**	Dozers	0.5	0.0625			0
PM10	**4.00**	Scrapers	1	0.125			0
PM2.5	**3.00**					**Acres**	0.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	46	46	54	70	109
	1	46	46	54	70	109
		46	46	54	70	109
CO	1	231	342	632	1545	5452
	1	231	342	632	1545	5452
		231	342	632	1545	5452
PM10	1	4	12	26	54	139
	1	4	12	26	54	139
		4	12	26	54	139
PM2.5	1	3	4	7	17	70
	1	3	4	7	17	70
		3	4	7	17	70

South Central LA County

0.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	46	46	54	70	109
CO	231	342	632	1545	5452
PM10	4	12	26	54	139
PM2.5	3	4	7	17	70

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
12	1	12	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: P2 Fine Grading

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
12	2.50	25	82	8.76

Source Receptor	**South Central LA County**
Distance (meters)	25
NOx	**71**
CO	**393**
PM10	**8.00**
PM2.5	**4.50**

Equipment	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Tractors	0.5	0.0625	3	8	1.5
Graders	0.5	0.0625	1	8	0.5
Dozers	0.5	0.0625	1	8	0.5
Scrapers	1	0.125			0
				Acres	2.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	2	65	64	69	82	117
	3	76	74	80	92	124
		71	69	74	87	121
CO	2	346	515	841	1817	5962
	3	441	636	1017	2049	6438
		393	576	929	1933	6200
PM10	2	7	20	34	62	146
	3	9	27	41	69	153
		8	24	38	66	149
PM2.5	2	4	6	9	19	74
	3	5	7	11	22	78
		5	7	10	20	76

South Central LA County

2.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	71	69	74	87	121
CO	393	576	929	1933	6200
PM10	8	24	38	66	149
PM2.5	5	7	10	20	76

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
12	2	12	3
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: P3 Tennis Courts and ES Play Area Demolition

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
12	1.00	25	82	8.76

Source Receptor	South Central LA County	Equipment	Acres/8-hr Day		Equipment Used	Daily hours	Acres
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**46**	Graders	0.5	0.0625			0
CO	**231**	Dozers	0.5	0.0625	2	8	1
PM10	**4.00**	Scrapers	1	0.125			0
PM2.5	**3.00**					**Acres**	1.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	46	46	54	70	109
	1	46	46	54	70	109
		46	46	54	70	109
CO	1	231	342	632	1545	5452
	1	231	342	632	1545	5452
		231	342	632	1545	5452
PM10	1	4	12	26	54	139
	1	4	12	26	54	139
		4	12	26	54	139
PM2.5	1	3	4	7	17	70
	1	3	4	7	17	70
		3	4	7	17	70

South Central LA County

1.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	46	46	54	70	109
CO	231	342	632	1545	5452
PM10	4	12	26	54	139
PM2.5	3	4	7	17	70

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
12	1	12	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: P3 Rough Grading

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
12	2.50	25	82	8.76

Source Receptor	**South Central LA County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625	3	8	1.5
NOx	**71**	Graders	0.5	0.0625	1	8	0.5
CO	**393**	Dozers	0.5	0.0625	1	8	0.5
PM10	**8.00**	Scrapers	1	0.125			0
PM2.5	**4.50**					**Acres**	2.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	2	65	64	69	82	117
	3	76	74	80	92	124
		71	69	74	87	121
CO	2	346	515	841	1817	5962
	3	441	636	1017	2049	6438
		393	576	929	1933	6200
PM10	2	7	20	34	62	146
	3	9	27	41	69	153
		8	24	38	66	149
PM2.5	2	4	6	9	19	74
	3	5	7	11	22	78
		5	7	10	20	76

South Central LA County

2.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	71	69	74	87	121
CO	393	576	929	1933	6200
PM10	8	24	38	66	149
PM2.5	5	7	10	20	76

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
12	2	12	3
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: P3 Fine Grading

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
12	2.50	25	82	8.76

Source Receptor Distance (meters)	South Central LA County 25
NOx	**71**
CO	**393**
PM10	**8.00**
PM2.5	**4.50**

Equipment	Acres/8-hr Day		Daily hours	Equipment Used	Acres
Tractors	0.5	0.0625	3	8	1.5
Graders	0.5	0.0625	1	8	0.5
Dozers	0.5	0.0625	1	8	0.5
Scrapers	1	0.125			0
				Acres	2.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	2	65	64	69	82	117
	3	76	74	80	92	124
		71	69	74	87	121
CO	2	346	515	841	1817	5962
	3	441	636	1017	2049	6438
		393	576	929	1933	6200
PM10	2	7	20	34	62	146
	3	9	27	41	69	153
		8	24	38	66	149
PM2.5	2	4	6	9	19	74
	3	5	7	11	22	78
		5	7	10	20	76

South Central LA County

2.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	71	69	74	87	121
CO	393	576	929	1933	6200
PM10	8	24	38	66	149
PM2.5	5	7	10	20	76

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
12	2	12	3
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: P3 Building Contruction & Modernization

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
12	1.31	25	82	8.76

Source Receptor	**South Central LA County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625	3	7	1.3125
NOx	**52**	Graders	0.5	0.0625			0
CO	**267**	Dozers	0.5	0.0625			0
PM10	**4.94**	Scrapers	1	0.125			0
PM2.5	**3.31**					**Acres**	1.31

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	46	46	54	70	109
	2	65	64	69	82	117
		52	52	59	74	112
CO	1	231	342	632	1545	5452
	2	346	515	841	1817	5962
		267	396	697	1630	5611
PM10	1	4	12	26	54	139
	2	7	20	34	62	146
		5	15	29	57	141
PM2.5	1	3	4	7	17	70
	2	4	6	9	19	74
		3	5	8	18	71

South Central LA County

1.31 Acres

	25	**50**	**100**	**200**	**500**
NOx	52	52	59	74	112
CO	267	396	697	1630	5611
PM10	5	15	29	57	141
PM2.5	3	5	8	18	71

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
12	1	12	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: P4 Secondary Play Area Demolition

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
12	2.50	25	82	8.76

Source Receptor Distance (meters)	South Central LA County 25
NOx	**71**
CO	**393**
PM10	**8.00**
PM2.5	**4.50**

Equipment	Acres/8-hr Day		Daily hours	Equipment Used	Acres
Tractors	0.5	0.0625	3	8	1.5
Graders	0.5	0.0625			0
Dozers	0.5	0.0625	2	8	1
Scrapers	1	0.125			0
				Acres	2.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	2	65	64	69	82	117
	3	76	74	80	92	124
		71	69	74	87	121
CO	2	346	515	841	1817	5962
	3	441	636	1017	2049	6438
		393	576	929	1933	6200
PM10	2	7	20	34	62	146
	3	9	27	41	69	153
		8	24	38	66	149
PM2.5	2	4	6	9	19	74
	3	5	7	11	22	78
		5	7	10	20	76

South Central LA County

2.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	71	69	74	87	121
CO	393	576	929	1933	6200
PM10	8	24	38	66	149
PM2.5	5	7	10	20	76

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
12	2	12	3
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: P4 Rough Grading

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
12	2.50	25	82	8.76

Source Receptor	**South Central LA County**
Distance (meters)	25
NOx	**71**
CO	**393**
PM10	**8.00**
PM2.5	**4.50**

Equipment	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Tractors	0.5	0.0625	3	8	1.5
Graders	0.5	0.0625	1	8	0.5
Dozers	0.5	0.0625	1	8	0.5
Scrapers	1	0.125			0
				Acres	2.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	2	65	64	69	82	117
	3	76	74	80	92	124
		71	69	74	87	121
CO	2	346	515	841	1817	5962
	3	441	636	1017	2049	6438
		393	576	929	1933	6200
PM10	2	7	20	34	62	146
	3	9	27	41	69	153
		8	24	38	66	149
PM2.5	2	4	6	9	19	74
	3	5	7	11	22	78
		5	7	10	20	76

South Central LA County

2.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	71	69	74	87	121
CO	393	576	929	1933	6200
PM10	8	24	38	66	149
PM2.5	5	7	10	20	76

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
12	2	12	3
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: P4 Building Contruction & Modernization

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Construction / Project Site Size (Acres)
12	1.31	25	82	8.76

Source Receptor	**South Central LA County**	**Equipment**	**Acres/8-hr Day**		**Daily hours**	**Equipment Used**	**Acres**
Distance (meters)	25	Tractors	0.5	0.0625	3	7	1.3125
NOx	**52**	Graders	0.5	0.0625			0
CO	**267**	Dozers	0.5	0.0625			0
PM10	**4.94**	Scrapers	1	0.125			0
PM2.5	**3.31**					**Acres**	1.31

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	46	46	54	70	109
	2	65	64	69	82	117
		52	52	59	74	112
CO	1	231	342	632	1545	5452
	2	346	515	841	1817	5962
		267	396	697	1630	5611
PM10	1	4	12	26	54	139
	2	7	20	34	62	146
		5	15	29	57	141
PM2.5	1	3	4	7	17	70
	2	4	6	9	19	74
		3	5	8	18	71

South Central LA County

1.31 Acres

	25	**50**	**100**	**200**	**500**
NOx	52	52	59	74	112
CO	267	396	697	1630	5611
PM10	5	15	29	57	141
PM2.5	3	5	8	18	71

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
12	1	12	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

5.0 LANDSCAPE ANALYSIS

5.1 Analysis of Existing Landscaping

From a landscape standpoint, Elizabeth Learning Center lacks natural shade throughout the campus with expansive paved areas and nearly all trees located on the south east portion of the campus, leaving the remainder of the campus with no trees to reduce the heat island effect during hot days. Overall the campus lacks uniformity with only a handful of planted areas, little to no under planting throughout the campus, and neglected or undefined exterior student spaces. Aside from the main campus entrance and sport field the campus lacks a proper irrigation system which contributes to the lack of planting, health of trees and root intrusion.

Landscape Findings – Overall Site

Trees

a. The campus tree canopy is sparsely planted with clusters of mature trees within the campus core separated by large amounts of paving. Trees are relatively healthy despite their growing conditions and lack of current irrigation.
b. Several of the campus trees are currently located within inadequately sized tree wells. Although the tree wells may have been appropriate at the time of planting, they are currently constraining the trees. Small tree wells combined with lack of root barrier installation and lack of irrigation has caused the trees to develop large surface roots causing lifting and buckling of the adjacent paving, which may pose trip hazards in high traffic areas.
c. Several of trees on campus showed signs of being attacked by current burrowing pest (wet trunk stains and small 1/8” diameter holes). Fortunately, the trees appear to be healthy enough to fight the pest and are not showing any decline at the time of observation. Refer to recommendations section for additional information.
d. The redwood edging and in some cases concrete curb around tree wells cut into the asphalt paving have cracked or deteriorated. This may pose a trip hazard in instances where it is lifted above the adjacent paving.
e. Adjacent to the classroom portables there are a handful of tree wells that are empty due to the tree being cut down. Stumps are still present in some.
f. For campus wide tree information regarding type, size, height and health refer to “Table 1- Tree Inventory” included as a part of this document.

Mid-Level Planting

a. Shrubs are prevalent at the school entrance along Elizabeth Street. The plant palette is a combination of evergreen shrub material, turf and a California native habitat garden created by School Yard Habitats. The evergreen shrubs and turf are doing well; however the California native habitat garden is failing due to lack of proper irrigation and sun exposure.

b. There is minimal edge condition planting along Elizabeth Street with the main planting areas being in front of the wellness center and the main entrance. Aside from the main entrance, there is no significant “Green” or soft edge between campus and right of way. There is no campus or streetscape planting along the campus’ north edge on Clara Street. The west edge of the campus

abuts adjacent housing with no planting buffer or screening. The East edge of the campus is aligned with trees and shrubs from the adjacent community park, but they offer little to no shade value to the school as this area is primarily storage and back of house for classroom portables.

c. Planting areas within the campus core are generally void of any shrubs or other landscape material. Most of the landscape "planting areas" consists of exposed sandy soil and leaf litter from the mature tree canopy. As a result, the students use these planting areas as a path of travel, tracking soil and dust into classrooms as well as compacting the soil.

d. There are currently no planting areas designed specifically to serve as infiltration zones for building or site runoff contributing to site flooding during rain events.

e. The modular demonstration garden planters near the cafeteria are void of any plant material. It was unclear if this was intentional due to teaching or seasonal aspects of this outdoor educational area. Although this area provides seating for students it can be quite hot and undesirable for outdoor teaching due to lack of trees or overhead shade in that area.

f. The central circular raised planter within the campus is planted with native species and is thriving.

g. There is mulch in the parking lot medians; however, they are filled with Bermuda grass and weeds, no other plant material.

Groundcover

a. With the exception of unwanted Bermuda grass that has recently grown within the staff parking lot planting islands all other planting areas within the campus are void of any groundcover and are primarily exposed soil.

b. Bark mulch has been placed in the parking lot islands, planting area adjacent to the Wellness Center and planting areas at the main campus building entrance.

Turf

a. The only turf present on site is located at the front entrance of the school and the sports field.

b. The interior of the campus generally lacks turf grass with the exception of the unintentional Bermuda grass that has sprung up.

c. The existing sport field turf was primarily green during the site visit with the exception of some areas caused by wear and tear, and improper head to head coverage, and a 15' wide oversaturated edge condition caused by the solar panel shade and improper irrigation zoning.

Irrigation

a. Overall the campus lacks a proper irrigation system setup as well as a lack of irrigation to all trees located in tree wells or planting areas within the campus core.

b. Irrigation controllers - There are three irrigation controllers present on campus, see diagram on the following page. Two of the three controllers are functioning but are not smart controllers required by current applicable regulations. The Plant Manager did not have an access key to the

third irrigation controller box, but due to the valves in the surrounding area not activating when manually turned on shows that the controller has been shut off and is no longer providing irrigation in those zones. A Toro controller with 24 stations is located on the backside of the gymnasium, facing Clara Street. Another Toro controller is located in the front area of the campus.

c. Irrigation Valve Boxes

   i. Valve boxes are not labeled-except for irrigation in the school entrance area

   ii. There were multiple valve boxes installed incorrectly elevated above the adjacent finish grade

   iii. Multiple valve boxes are inaccessible due to the box being buried with soil

d. Irrigation within the soccer field requires a new layout to deter both dry and overly saturated from appearing. Turf areas that fall underneath the solar panels shadow need to be on their own system to inhibit overwatered turf

e. California native habitat areas lack supplemental irrigation. The addition of irrigation will cause these plants to thrive in their current location



Irrigation Zoning and Point of Connections

School Agricultural Education

Raised planters, a small fruit orchard and habitat gardens all exist on the Elizabeth Learning Center campus. All of these elements are not receiving the irrigation requirements necessary to be productive and has left empty or dilapidated planters in site.

5.2 Tree Inventory and Identification of Protected Trees

The Los Angeles Unified School District (LAUSD) requested the Design Team to retain an arborist to visit the property and inventory and photograph all “protected” and “significant” trees”. A comprehensive analysis of each tree as it pertains to construction was not requested and is not a part of this study. The 55 inventoried trees are located throughout the property. This report is based on our site visit on October 20, 2017.

Protected trees comply with the City of Los Angeles Tree Preservation Ordinance #177.404 which protects Coast Live Oaks, Western Sycamores, Southern California Black Walnut and California Bay Laurel with trunks 4” or greater. They are protected because they are indigenous to the southern California region and the city wants to preserve as many existing trees of these species as possible for ecological purposes. Significant trees are all tree that have an 8” or greater tree trunk diameter at breast height (DBH). Significant tree is not protected by any ordinance, but it is preferred to keep as many of them as possible due to their mature canopies and deep root systems.

Observations

The Arborist inventoried 55 trees of various species throughout the subject property. Tree trunks were recorded in the field, from grade, using the topographical map provided.

Table 1 is a summary of the tree species comprising the 55 total trees. Captioned photographs and the exhibits in Section 11.2 of this report illustrate site context, tree locations, tree structure, and vigor. Tree locations are graphically represented on the ‘Tree Location Exhibit.’

No “protected” or “significant” trees were found on site.

Health and Structure Grade Definitions

Health and structure ratings of the trees are based on the archetype tree of the same species through a subjective evaluation of its physiological health, aesthetic quality, and structural integrity.

Overall physiological condition (health) and structural condition were rated A-F:

Health

A) Outstanding – Exceptional trees of good growth form and vigor for their age class; exhibiting very good to excellent health as evidenced by normal to exceptional shoot growth during current season, good bud development and leaf color, lack of leaf, twig or branch dieback throughout the

crown, and the absence of decay, bleeding, or cankers. Common leaf and/or twig pests may be noted at very minor levels.

B) Above average – Good to very good trees that exhibit minor necrotic or physiological symptoms of stress and/or disease; shoot growth is less than reasonably expected, leaf color is less than optimal in some areas, the crown may be thinning, minor levels of leaf, twig, and branch dieback may be present, and minor areas of decay, bleeding, or cankers may be manifesting. Minor amounts of epicormic growth may be present. Minor amounts of fire damage or mechanical damage may be present. Still healthy, but with moderately diminished vigor and vitality. No significant decline noted.

C) Average – Average, moderately good trees whose growth habit and physiological or fire-induced symptoms indicate an equal chance to either decline or continue with good health into the near future. Most of these trees exhibit moderate to significant small deadwood in outer crown areas, decreased shoot growth and diminished leaf color and mass. Some stem and branch dieback is usually present and epicormic growth may be moderate to extensive. Cavities, pockets of decay, relatively significant fire damage, bark exfoliation, or cracks may be present. Moderate to significant amounts of insect or disease symptoms may be present; the tree may be shaded or crowded in such a way that it is expected to negatively impact the lifespan of the tree. Tree may be in early decline.

D) Below Average/Poor - trees whose growth habit and physiological or fire-induced symptoms indicate significant, irreversible decline. Most of these trees exhibit significant dieback of wood in the crown, possibly accompanied by significant epicormic sprouting. Shoot growth and leaf color and mass is either significantly diminished or nonexistent throughout the crown. Cavities, pockets of decay, significant fire damage, bark exfoliation, and/or cracks may be present. Significant amounts of insect or disease symptoms may be present; the tree may be shaded or crowded in such a way that it has negatively impacted the lifespan of the tree. Tree appears to be in irreversible decline.

F) Dead or in spiral of decline – this tree exhibits very little to no signs of life.

Structure

A) Outstanding – Trees with outstanding structure for their species exhibit trunk and branch arrangement and orientation that result in a sturdy form or architecture that resists failure under normal circumstances. The spacing, orientation, and size of the branches relative to the trunk are quintessential for the species and free from defects. No outward sign of decay or pathological disease is present. Some trees exhibit naturally inherent branching defects, like multiple, narrow points of attachment from one point on the trunk, which would preclude them from achieving an “A” grade.

B) Above average - Trees with good to very good structure for their species. They exhibit trunk and branch arrangement and orientation that result in a relatively sturdy form or architecture that resists failure under normal circumstances, but may have some mechanical damage, over-

pruning, or other minor structural defects. The spacing, orientation, and size of the branches relative to the trunk are still in the normal range for the species, but they exhibit a minor degree of defects. Minor, sub-critical levels of decay or pathological disease may be present, but the degree of damage is not yet structurally significant. Trees that exhibit naturally inherent branching defects, like multiple, narrow points of attachment from one point on the trunk, would generally fall in to this category. A small percentage of the canopy may be shaded or crowded, but not in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree.

C) Average - Trees with moderately good structure for their species, but with obvious defects. They exhibit trunk and branch arrangement and orientation that result in a less than sturdy form or architecture, which reduces their resistance to failure under normal circumstances. Moderate levels of mechanical damage, over-pruning, or other structural defects may be present. The spacing, orientation, and size of some of the branches relative to the trunk are not in the normal range for the species. Moderate to significant levels of decay or pathological disease may be present that increase the likelihood of structural instability. Influences such as an excessive trunk lean, slope erosion, root pruning, or other growth inhibiting factors may be present. A moderate to significant percentage of the canopy may be shaded or crowded in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree. Risk of full or partial failure in the near future appears to be moderately elevated.

D) Well Below Average/Poor - Trees poor structure for their species and with obvious defects. They exhibit trunk and branch arrangement and orientation that result in a significantly less than sturdy form or architecture, significantly reducing their resistance to failure under normal circumstances. Significant levels of mechanical damage, over-pruning, or other structural defects may be present. The spacing, orientation, and size of many of the branches relative to the trunk are not in the normal range for the species. Significant levels of decay or pathological disease may be present that increase the likelihood of structural instability. Influences such as an excessive trunk lean, slope erosion, root pruning, or other growth-inhibiting factors may be present. A significant percentage of the canopy may be shaded or crowded in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree. Risk of full or partial failure in the near future appears to be advanced.

F) Severely Compromised – trees with very poor structure and numerous or severe defects due to growing conditions, historical or recent pruning, mechanical damage, history of limb or trunk failures, advanced and irreparable decay, disease, or severe fire damage. Trees with this rating are in severe, irreparable decline, or are barely alive. Risk of full or partial failures in the near future may be severe.

TABLE 1 –TREE INVENTORY

Tree #	Common Name Botanical Name	DBH(s) (inches	Height (feet)	Canopy Spread NS/EW	Health	Structure	Scenic[1] (CEQA)	Protected
1	Jacaranda *Jacaranda mimosifolia*	25	40	50/45	B	B	No	No
2	Canary Island Date Palm *Phoenix canariensis*	BT 35'	45	20/20	B	A	No	No
3	Jacaranda *Jacaranda mimosifolia*	13	25	25/25	B	B-	No	No
4	Jacaranda *Jacaranda mimosifolia*	13	25	25/25	B	B	No	No
5	Shamel Ash *Fraxinus uhdei*	4, 6, 7	30	20/20	B	C	No	No
6	Shamel Ash *Fraxinus uhdei*	17	30	30/20	C	C	No	No
7	Shamel Ash *Fraxinus uhdei*	7, 9	30	10/10	D	D	No	No
8	Shamel Ash *Fraxinus uhdei*	17	35	30/30	B	B	No	No
9	Shamel Ash *Fraxinus uhdei*	13	30	15/15	C	D	No	No
10	Mulberry *Morus alba*	8	20	20/20	B-	B	No	No
11	Shamel Ash *Fraxinus uhdei*	29	40	35/35	B-	B	No	No
12	Fern Pine *Afrocarpus falcatus*	11	25	20/20	A	A	No	No
13	Fern Pine *Afrocarpus falcatus*	11	20	20/20	A	A	No	No
14	Fern Pine *Afrocarpus falcatus*	15	25	20/20	A	A	No	No
15	Fern Pine *Afrocarpus falcatus*	11	25	20/20	A	A	No	No
16	Fern Pine *Afrocarpus falcatus*	9	25	15/15	A	A	No	No
17	Carrotwood *Cupaniopsis anacardioides*	11	20	12/12	A	B	No	No
18	Carrotwood *Cupaniopsis anacardioides*	11	20	12/12	A	B	No	No
19	New Zealand Christmas *Metrosideros excelsa*	10	20	20/20	A-	A	No	No
20	Chinese flame *Koelreuteria bipinnata*	12	30	30/20	A	A	No	No

Tree #	Common Name Botanical Name	DBH(s) (inches	Height (feet)	Canopy Spread NS/EW	Health	Structure	Scenic[1] (CEQA)	Protected
21	Chinese flame *Koelreuteria bipinnata*	11	30	20/20	A	A	No	No
22	Chinese flame *Koelreuteria bipinnata*	12	30	20/20	A	A	No	No
23	Chinese flame *Koelreuteria bipinnata*	13	30	30/30	A	A-	No	No
24	Chinese flame *Koelreuteria bipinnata*	13	30	30/30	A	A	No	No
25	Chinese flame *Koelreuteria bipinnata*	15 at 2 ft	30	20/30	A	A	No	No
26	Chinese flame *Koelreuteria bipinnata*	12.5	30	25/33	A	B	No	No
27	Chinese flame *Koelreuteria bipinnata*	11	25	20/20	A	A	No	No
28	Chinese flame *Koelreuteria bipinnata*	12	25	20/20	A	A	No	No
29	Chinese flame *Koelreuteria bipinnata*	8	25	20/20	A	A	No	No
30	Chinese flame *Koelreuteria bipinnata*	8	25	20/20	A	A	No	No
31	Chinese flame *Koelreuteria bipinnata*	14	25	25/25	A	A	No	No
32	Chinese flame *Koelreuteria bipinnata*	14	30	20/35	B	B	No	No
33	Chinese flame *Koelreuteria bipinnata*	12	30	20/30	A	B	No	No
34	Chinese flame *Koelreuteria bipinnata*	14.5	30	30/40	A	B	No	No
35	Chinese flame *Koelreuteria bipinnata*	12	30	20/20	A	A	No	No
36	Chinese flame *Koelreuteria bipinnata*	10	30	20/25	A	B-	No	No
37	Chinese flame *Koelreuteria bipinnata*	10	30	20/20	A	B	No	No
38	Chinese flame *Koelreuteria bipinnata*	12	30	25/30	A	A	No	No
39	Chinese flame *Koelreuteria bipinnata*	14.5	30	30/40	A	A	No	No
40	Chinese flame *Koelreuteria bipinnata*	14.5	30	36/30	A	A-	No	No
41	Chinese flame *Koelreuteria bipinnata*	15	35	40/30	A	A	No	No

Tree #	Common Name Botanical Name	DBH(s) (inches	Height (feet)	Canopy Spread NS/EW	Health	Structure	Scenic[1] (CEQA)	Protected
42	Chinese flame *Koelreuteria bipinnata*	8.5	30	30/21	A	A	No	No
43	Chinese flame *Koelreuteria bipinnata*	13	30	27/30	A	A	No	No
44	Shamel Ash *Fraxinus uhdei*	18	40	36/30	A	A-	No	No
45	Shamel Ash *Fraxinus uhdei*	18	40	30/30	B-	B	No	No
46	Shamel Ash *Fraxinus uhdei*	18	35	18/20	B-	B-	No	No
47	Hollywood juniper *Juniperus chinensis* 'Torulosa'	5, 5, 5.5, 9	18	12/12	A	A	No	No
48	Hollywood juniper *Juniperus chinensis* 'Torulosa'	5.5, 6.5, 9.5	18	12/15	A	A	No	No
49	Hollywood juniper *Juniperus chinensis* 'Torulosa'	3, 4, 7	25	15/15	A	A	No	No
50	Peppermint willow *Agonis flexuosa*	9	15	20/20	A-	B	No	No
51	Queen palm *Syagrus romanzoffiana*	BT 15'	25	15/15	A	A	No	No
52	Queen palm *Syagrus romanzoffiana*	BT 15'	25	15/15	A	A	No	No
53	Queen palm *Syagrus romanzoffiana*	BT 15'	25	15/15	A	A	No	No
54	Queen palm *Syagrus romanzoffiana*	BT 20'	30	15/15	A	A	No	No
55	Holly oak *Quercus ilex*	2, 2, 3, 3, 3, 3, 3, 3, 3, 3	25	15/15	A	A	No	No

1 - A scenic tree is highly visible, prominent and possesses unique or distinctive aesthetic qualities due to its size, structure, unusual specimen, etc.

5.3 Color Photos of Unique Site Features

The following photos are a representation of the unique features and conditions on the campus. A full listing of photographs is included in Section 11.1.



School Entrance Planting



California Native Habitat Garden



Mature Tree Canopy Within Campus Core



Flagpole Planter



Cracked and Lifted Asphalt Paving



Trees Causing Uplift On Brick Pavers



Campus Interior Lacks Shade; Pavement Cracking



Planting Area Void of Mid-Level Shrub Material

5.4 Landscape Recommendations and Analysis

General Canopy

a. Every effort should be made to preserve mature trees on campus that are in good health per the Arborist's evaluation.

b. Additional trees should be planted to increase the canopy coverage throughout the campus.

Mid-Level Planting

a. Where landscape areas in the campus interior lack mid-level planting, an enhancement effort is recommended to improve the campus environment.

b. A campus-wide mid-level plant palette should be designated and used for enhancement and replacement of mid-level planting as needed. The existing native garden within the flag pole planter provides an appropriate example plant palette that could be followed and expanded due to the success of that area.

c. Habitat Gardens to be revitalized with a new plant palette guaranteed to succeed.

d. All new trees to install root barriers correctly to inhibit uplifting in AC paving or concrete.

e. New redwood edging and concrete curbs to be installed near tree wells to prevent tripping hazards.

f. Any new project will trigger low impact development and storm water management per current regulations. Additional and increased planting/ landscaped areas should be included in any campus plans to help treat and mitigate storm water run-off. Refer to civil section for additional information.

Irrigation

a. All areas that will require a new landscape design should have a new irrigation system installed. Where existing landscape areas are to be re-designed, the existing irrigation system should be redesigned as well.

b. A new point of connection will be required for the scope of the new project. With a new point of connection requires a new backflow, meter, master valve and flow sensor to increase irrigation efficiency.

c. The irrigation system should be retrofitted with smart controllers to optimize water efficiency. It should be noted that doing so could require trenching through portions of the campus otherwise outside the scope of work for this project to install irrigation control wiring and plumbing.

Trees

a. Campus shall make all attempts to protect and preserve as many mature trees as possible that are deemed healthy and structurally sound per the arborist evaluation.

b. The campus courtyards lack natural shade and so additional trees should be planted to increase the canopy coverage throughout the campus as a part of any future projects. Increasing the internal campus tree canopy will reduce the paving heat island effect and create a nicer environment for the students.

c. Regardless of scope of work, it is suggested by the arborist that two trees are to be removed as soon as possible, as they are a safety and health concern. The trees to be removed are as follows: #7 (Shamel Ash), and #9 (Shamel Ash)

d. For additional tree information: Type, size, quantity. and health refer to Table 1- Tree Inventory.

Turf

a. Under no circumstances should turf area be reduced. Bare spots in current turf areas should be re-seeded and irrigation spray heads to be laid out to accommodate the variety of sun exposure on site.

School Agriculture Education

a. Every effort should be made to retain the agricultural and native plant educational elements. If an educational garden needs to be removed for any reason, there should be a new proposed location to replace the existing.

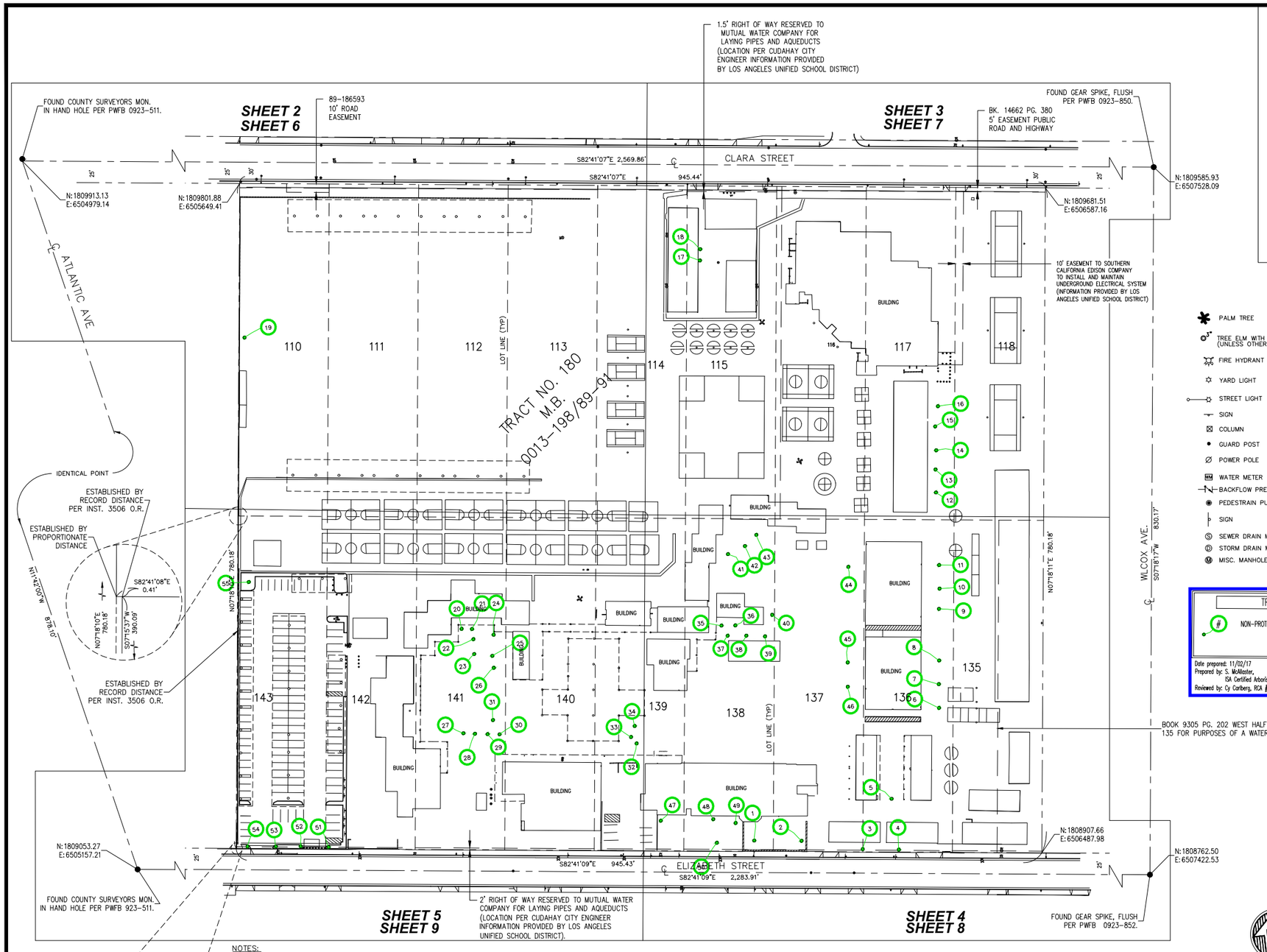
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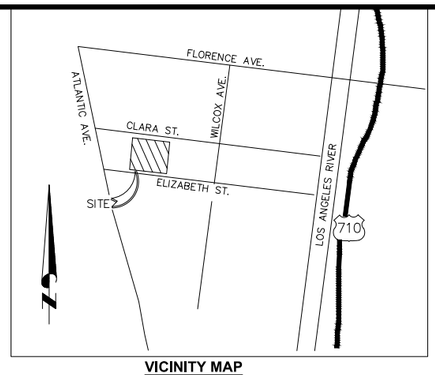
11.2 Tree Inventory Illustrations



EXHIBIT 1 - AERIAL VIEW OF THE SUBJECT AREA

ELIZABETH LEARNING CENTER. 4811 ELIZABETH STREET. CUDAHY. CA





VICINITY MAP

LEGEND

- PALM TREE
- TREE ELM WITH TRUNK DIAMETER (UNLESS OTHERWISE NOTED)
- FIRE HYDRANT
- YARD LIGHT
- STREET LIGHT
- SIGN
- COLUMN
- GUARD POST
- POWER POLE
- WATER METER
- BACKFLOW PREVENTER
- PEDESTRAIN PUSH BOTTOM
- SIGN
- SEWER DRAIN MANHOLE
- STORM DRAIN MANHOLE
- MISC. MANHOLE

- PROPERTY LINE
- CENTER LINE
- EASEMENT LINE
- CHAIN LINK FENCE (CLF)
- CONTOUR LINE
- BUILDING OVERHANG
- FLOW LINE (FL)
- GRADE CHANGE (GC)
- STEEL HANDRAIL (S.H.R.)
- RIDGE
- CURB UNLESS OTHERWISE NOTED
- WALL
- SAFETY & TECHNOLOGY
- ELECTRICAL CONDUIT
- COMMUNICATION LINE
- GAS LINE
- SEWER LINE
- WATER LINE
- ASPHALTIC CONCRETE
- BOOK
- BACK OF WALK
- CEMENT CONCRETE
- CHAINLINK FENCE
- CLEANOUT
- COMMUNICATION
- CONDUIT
- DATA VAULT
- DRIVEWAY
- ELECTRICAL PULL BOX
- ELECTRICAL VAULT
- FIRE ALARM VAULT
- FINISH FLOOR
- FIRE HYDRANT
- FLOWLINE
- FINISH SURFACE
- GAS METER
- GAS VALVE
- GUY WIRE
- HOSE BIBB
- HANDICAP RAMP
- HYDRANT
- IRRIGATION CONTROL VALVE
- INVERT ELEVATION
- IRON FENCE
- EDGE OF GUTTER
- MANHOLE
- UNKOWN PULL BOX
- PEDESTRAIN PUSH BUTTON
- POWER POLE
- POST INDICATOR VALVE
- PARKWAY DRAIN
- STORM DRAIN PULL BOX
- SEARCH FOUND NOTHING
- SLIDER
- STREET LIGHT PULL BOX
- SEWER MANHOLE
- SEWER PULL BOX
- STREET LIGHT
- SIGNAL VAULT
- TOP OF CURB
- TELEPHONE CABINET
- TOP OF GRATE
- TELEVISON PULLBOX
- TOP OF WALL
- TYPICAL
- TREE (SIZE NOTED)
- WATER METER
- WATER PULLBOX
- WATER FOUNTAIN
- WATER VALVE
- WATER VAULT

PB OR UNK	
PED	
PP	
PIV	
PWY	
SDPB	
SFN	
SLDR	
SLPB	
SMH	
SPB	
STL	
SVLT	
TC	
TCAB	
TG	
TVPB	
TW	
TYP	
"X"	
WM	
WPB	
WTF	
WV	
WVLT	

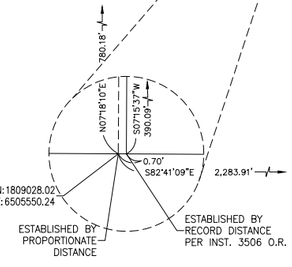
TREE INVENTORY LEGEND

(#) NON-PROTECTED "SIGNIFICANT" TREE (> 8" DBH)

Date prepared: 11/02/17
Prepared by: S. McMaster,
ISA Certified Arborist
Reviewed by: Cy Carlberg, RCA #405

NOTES:

1. RIGHT OF WAY SHOWN AND PLOTTED EASEMENT ARE BASED ON INFORMATION FOUND IN PRELIMINARY TITLE REPORT ORDER NO.: 00066387-994-LT2-KD PROVIDED BY CHICAGO TITLE COMPANY PROVIDED BY LAUSD. DATED: DECEMBER 21,2016 at 7:30 AM
2. AERIAL DATA COLLECTION WAS NOT USED AS PART OF THIS SURVEY.
3. SUBSURFACE UTILITIES SHOWN HEREON WERE LOCATED BY A FIELD SURVEY USING ELECTROMAGNETIC METHODS AND/OR GROUND PENETRATING RADAR (GPR) OR LOCATED FROM PLANS PROVIDED BY LAUSD AND AVAILABLE CITY RECORDS. DEPTHS / SIZES OF UTILITIES ARE APPROXIMATE AND CAN ONLY BE VERIFIED BY FIELD POTHOLE LOCATION.
4. PARKWAY DRAINS OPENING ARE PER LOS ANGELES COUNTY ROAD DEPARTMENT STANDARD PLAN 62-01, UNLESS OTHERWISE NOTED.
5. DATE OF SURVEY: 3/27/17-5/23/17
6. DISTANCES SHOWN ON THIS MAP ARE GRID DISTANCES. GROUND DISTANCES MAY BE OBTAINED BY DIVIDING GRID DISTANCES BY A COMBINATION FACTOR OF 0.99999979.
7. HOSE BIBS AND OTHER UTILITIES ON OR WITHIN THE BUILDING ENVELOPE ARE CALLED OUT ON SURVEY AND DUE TO THEIR SMALL SIZE MAY NOT BE SHOWN GRAPHICALLY.
8. MAIN LINE SEWER ELEVATIONS IN RIGHT OF WAY CAN BE DETERMINED BY STRAIGHT GRADE CALCULATIONS FROM NEAREST MANHOLE FLOW LINE INVERTS.
9. DETERMINATION OF WHETHER A UTILITY IS LIVE OR ABANDONED CAN ONLY BE PERFORMED BY THE CORRESPONDING UTILITY COMPANY WHILE PRACTICING PROPER SAFETY PROCEDURES. THE DETERMINATION AS TO WHAT TYPE OF UTILITY RISERS ARE CAN ONLY BE DONE BY TRAINED MAINTENANCE PERSONNEL PRACTICING PROPER SAFETY PROCEDURE.
10. DUE TO ONGOING CONSTRUCTION DURING AND AFTER OUR FIELD SURVEY ON BOTH CLARA ST. AND ELIZABETH ST. SUBSURFACE UTILITY MARKING MAY HAVE BEEN LOST AND IT CHANGED DURING SAID CONSTRUCTION. VALVES AND UTILITY IN RIGHT OF WAY MAY NOT HAVE BEEN RAISED TO SURFACE AFTER CONSTRUCTION.
11. NUMEROUS SHIPPING CONTAINERS ONSITE HAVE NO FIXED LOCATION AND ARE NOT INCLUDED IN SCOPE OF WORK.
12. GROUND PENETRATING RADAR CANNOT PREDICT WHAT THE OBJECT IS MADE OF OR IT'S LOCATION WITH 100% CERTAINTY. DUE TO HEAVY RAIN THIS SEASON AND EXTREMELY HIGH SOIL MOISTURE CONTENT THE LOCATION OF SOME SUB-SURFACE UTILITIES WAS NOT POSSIBLE.
13. UNKNOWN UNDERGROUND SERVICE ANNOUNCEMENT ALONG BACK OF WALK SOUTH SIDE OF CLARA ST.



BASIS OF BEARINGS:

BASIS OF BEARING: THE BASIS OF BEARING FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS83) ZONE V AS DETERMINED FROM THE NORTH AMERICAN DATUM OF 1983 EPOCH 2011.00.

BENCHMARK:

VERTICAL DATUM: VERTICAL CONTROL IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) DERIVED FROM LOS ANGELES COUNTY BENCHMARKS PY8234 ELEV=125.09 AND PY8233 ELEV=125.43

5-24-2017

MARCELINO SERRANO MILLER
LICENCE NO.: L.S. 9204
EXPIRES: 3/31/2019

60 30 0 60 120 180

SCALE: 1" : 60'

Carlberg Associates Horticulturists and Registered Consulting Arborists

TREE LOCATION EXHIBIT
ELIZABETH LEARNING CENTER
4811 ELIZABETH STREET, CUDAHY, CALIFORNIA 90201
PREPARED FOR: EPT DESIGN, 544 EAST GREEN STREET, SUITE 201, PASADENA, CA 91101

www.cycarlberg.com Date: 11.02.17 By: S. McAllister

EXISTING FACILITIES DESIGN

FACILITIES SERVICES DIVISION

333 SOUTH BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017

LOS ANGELES UNIFIED SCHOOL DISTRICT • BOARD OF EDUCATION

PROFESSIONAL LAND SURVEYOR
MARCELINO SERRANO MILLER
No. 9204
STATE OF CALIFORNIA

TITLE: TOPOGRAPHIC SURVEY

PROJECT: KEY MAP

SCHOOL: ELIZABETH LEARNING CENTER
4811 ELIZABETH ST.
CUDAHY, CA 90201

PLAN PREPARED BY:
CHAUDHARY & ASSOCIATES, INC.
ENGINEERS SURVEYORS INSPECTORS
2675 Junipero Ave., Suite 600
Signal Hill, CA 90755
Tel: (714) 228-9247
WWW.CHAUDHARY.COM Napa - San Francisco - Fresno - Sacramento

REVISIONS

JOB NUMBER	
DRAWN BY: J.CASANOVA	DRAWING NO.: 1
CHECKED BY: M.MILLER	
DATE: 06-13-17	INDEX NO.: 1/9

EXHIBIT 2 - TREE LOCATION EXHIBIT

11.3 Captioned Tree Photographs



Tree #1



Tree #2



Tree #3



Tree #4



Tree #5



Trees #6(L) - #7(C) - #8(R)



Tree #9(L) - #10(C) - #11(R)



Tree #12(L) - #13(C)



Tree #14(L) - #15(R)



Tree #16



Tree #17(R) - #18(L)



Tree #19



Tree #20(L) - #26(R)



Tree #27(R) - #31(C)



Tree #32(L) - #34(R)



Tree #35(R) - #39(L)



Tree #40



Tree #41(L) - #43(R)



Tree #44



Tree #45(L) - #46(R)



Tree #47



Tree #48(L) - #49(R)



Tree #50



Tree #51(R) - #54(L)



Tree #55



Elizabeth Learning Center

Historical Resources Evaluation Report

prepared for

Los Angeles Unified School District
Office of Environmental Health and Safety
333 South Beaudry Avenue, 21st Floor
Los Angeles, California 90017

Contact: Gwenn Godek
Contract Professional/CEQA Advisor

prepared by
Rincon Consultants, Inc.
250 East 1st Street, Suite 301
Los Angeles, California 90012

June 2018

Rincon Consultants, Inc.
Environmental Scientists Planners Engineers
www.rinconconsultants.com

Please cite this report as follows:

Los Angeles Unified School District. 2018. *Elizabeth Learning Center: Historical Resources Evaluation Report*. Prepared by Rincon Consultants Los Angeles, CA.

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Appendices

Appendix A Resource Records

1 Executive Summary

Rincon Consultants, Inc. (Rincon) was retained by the Los Angeles Unified School District (LAUSD) to complete a historical resources evaluation of the Elizabeth Learning Center campus (Elizabeth Street School, subject campus), located at 4811 Elizabeth Street, Cudahy, California. Although the school was initially developed in 1923, the oldest extant building dates to 1932. The campus has undergone continual redevelopment since this time and the campus currently contains 16 permanent and 22 portable buildings and structures.

This evaluation was prepared to inform future planning efforts and to facilitate compliance with LAUSD's cultural resource policies and the California Environmental Quality Act (CEQA), which requires lead agencies to consider the impacts of proposed projects on historical resources. All work completed as part of the current effort was conducted in accordance with the requirements of CEQA and applicable local regulations. The current study included background research, an intensive-level field survey, and preparation of this Historical Resources Evaluation Report.

Based on the current study, the Elizabeth Learning Center campus is recommended ineligible for federal or state designation under any applicable criteria. Although the campus was originally developed in the context of pre-1933 Long Beach earthquake schools in greater Los Angeles, only one building, the Administrative Building, is extant from this early time period. This building has been altered greatly since its original construction, in particular following a 1976 seismic rehabilitation that removed many of the building's original Mediterranean Revival-style features. As a result, it does not appear to meet the registration requirements outlined in *Los Angeles Unified School District: Historic Context Statement, 1870 to 1969* for pre-1933 Long Beach earthquake school.[1]

The subject campus contains other permanent buildings over 45 years of age, but these structures are not unified in their design, nor does their placement contribute to a unified campus plan of any significance. None of the extant campus buildings appear to possess significant associations under any other relevant contexts and do not appear eligible for federal or state designation under any applicable criteria; therefore, the campus is not considered a historical resource for the purposes of CEQA.

Rincon Senior Architectural Historian Steven Treffers served as the project lead, with oversight and quality assurance/quality control provided by Architectural History Program Manager Shannon Carmack. Additional assistance was provided by Rincon architectural historians Rachel Perzel and Susan Zamudio-Gurrola. All of these individuals meet and exceed the Secretary of the Interior's Professional Qualifications Standards for Architectural History and History.

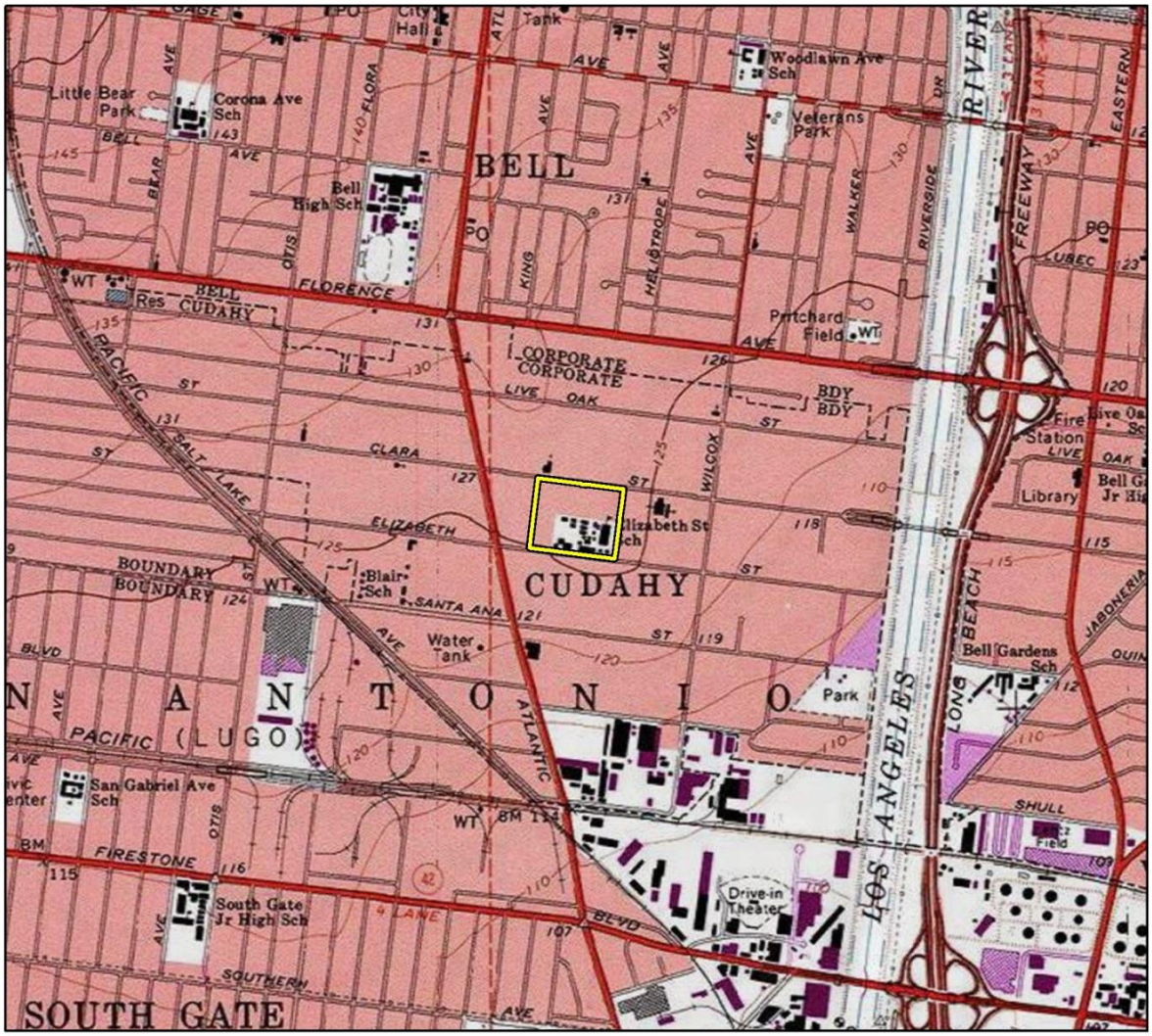
[1] Sapphos Environmental, Inc. *Los Angeles Unified School District Historic Context Statement, 1870 to 1969* (Los Angeles Unified School District Office of Environmental Health and Safety, March 2014).

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2 Introduction

Elizabeth Learning Center is located on a level site in the unincorporated community of Cudahy, approximately 0.5 miles west of Interstate 710 and 2.75 miles north of Interstate 105 in Los Angeles County (Figure 1). The school boundary spans approximately 16 acres and contains 38 buildings and structures (Figure 2). The school's entrance is on Elizabeth Street, which forms the campus' southern boundary. It is bounded on the north by Clara Street, on the east by a small public park, and on the west by a United States Postal Service facility and a residential property. The surrounding area is predominantly residential, though a park and some commercial properties are situated along the northern side of Clara Street, north of the school.

Figure 1 Vicinity Map



Imagery provided by National Geographic Society, ESRI and its licensors © 2017. South Gate Quadrangle. T02S R12W S30. The topographic representation depicted in this map may not portray all of the features currently found in the vicinity today and/or features depicted in this map may have changed since the original topographic map was assembled.



Figure 2 Location Map



Imagery provided by Google and its licensors © 2017.
Additional data provided by LA Unified School District, 2017.

2.1 Regulatory Framework

CEQA requires lead agencies to consider the impacts of proposed projects on historical resources. Under CEQA, historical resources are defined properties listed in, or eligible for listing in, the National Register of Historic Places (NRHP), California Register of Historical Resources (CRHR), or a local register. Eligible resources may include buildings, sites, structures, objects, cultural landscapes, and historic districts. Properties that are listed in the NRHP or found eligible for the NRHP through consensus with the State Office of Historic Preservation are automatically listed in the CRHR. Federal, state, and local designation criteria are presented below.

National Register of Historic Places

The NRHP was established by the National Historic Preservation Act (NHPA) of 1966 as "an authoritative guide to be used by federal, state, and local governments, private groups and citizens to identify the nation's cultural resources and to indicate what properties should be considered for protection from destruction or impairment."[2] The NRHP recognizes properties that are significant at the national, state, and local levels. To be eligible for listing in the NRHP, a resource must be significant in American history, architecture, archaeology, engineering, or culture. A property is eligible for the NRHP if it is significant under one or more of the following criteria:

- **Criterion A.** It is associated with events that have made a significant contribution to the broad patterns of our history.
- **Criterion B.** It is associated with the lives of persons who are significant in our past.
- **Criterion C.** It embodies the distinctive characteristics of a type, period, or method of construction, or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components may lack individual distinction.
- **Criterion D.** It has yielded, or may be likely to yield, information important in prehistory or history.

In addition to meeting at least one of the above designation criteria, resources must also retain integrity, or enough of their historic character or appearance, to be "recognizable as historical resources and to convey the reasons for their significance."[3] The National Park Service recognizes seven aspects or qualities that, considered together, define historic integrity. To retain integrity, a property must possess several, if not all, of these seven qualities, defined as follows:

1. **Location.** The place where the historic property was constructed or the place where the historic event occurred
2. **Design.** The combination of elements that create the form, plan, space, structure, and style of a property
3. **Setting.** The physical environment of a historic property
4. **Materials.** The physical elements combined or deposited during a particular period of time and in a particular pattern or configuration to form a historic property

[2] Code of Federal Regulations 36, Code of Federal Regulations 60.2.

[3] California Office of Historic Preservation, "California Register and National Register: A Comparison (for Purposes of Determining Eligibility for the California Register)," Technical Assistance Series No. 6. (Sacramento, CA, 14 March 2006).

5. **Workmanship.** The physical evidence of the crafts of a particular culture or people during any given period in history or prehistory
6. **Feeling.** A property's expression of the aesthetic or historic sense of a particular period of time
7. **Association.** The direct link between an important historic event or person and a historic property[4]

California Register of Historical Resources

Created in 1992 and implemented in 1998, the CRHR is "an authoritative guide in California to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change."[5] Certain properties, including those listed in or formally determined eligible for listing in the NRHP and California Historical Landmarks numbered 770 and higher, are automatically included in the CRHR. Other properties recognized under the California Points of Historical Interest program, identified as significant in historical resources surveys, or designated by local landmarks programs may be nominated for inclusion in the CRHR. According to PRC Section 5024.1(c), a resource, either an individual property or a contributor to a historic district, may be listed in the CRHR if the State Historical Resources Commission determines that it meets one or more of the following criteria, which are modeled on NRHP criteria:

- **Criterion 1.** It is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
- **Criterion 2.** It is associated with the lives of persons important in our past.
- **Criterion 3.** It embodies the distinctive characteristics of a type, period, region, or method of installation, or represents the work of an important creative individual, or possesses high artistic values.
- **Criterion 4.** It has yielded or may be likely to yield information important in prehistory or history.

It is possible that a resource that does not possess sufficient integrity for NRHP listing may still be eligible for the CRHR. Furthermore, while typically NRHP eligibility requires a property to be at least 50 years of age, there is no age requirement for listing in the CRHR. Rather, regulations specify that enough time must have passed for a property to be evaluated within its historic context.

Los Angeles Historic-Cultural Monuments

Local landmarks in the city of Los Angeles are known as Historic-Cultural Monuments and are under the aegis of the Los Angeles Planning Department, Office of Historic Resources. A Historic Cultural Monument is defined in the Cultural Heritage Ordinance as follows:

> Historic-Cultural Monument (Monument) is any site (including significant trees or other plant life located on the site), building or structure of particular historic or cultural significance to the City of Los Angeles, including historic structures or sites in which the broad cultural, economic or social history of the nation, State or community is reflected or exemplified; or which is identified

[4] U.S. Department of the Interior, National Park Service. "How to Apply the National Register Criteria for Evaluation, "*National Register Bulletin* No. 15 (Washington D.C., 2002).

[5] Public Resources Code, Sections 21083.2 and 21084.1.

with historic personages or with important events in the main currents of national, State or local history; or which embodies the distinguishing characteristics of an architectural type specimen, inherently valuable for a study of a period, style or method of construction; or a notable work of a master builder, designer, or architect whose individual genius influenced his or her age.[6]

LAUSD Historic Context Statement, 1870 to 1969

In addition to using all applicable criteria of significance, this evaluation utilized the methodology and framework for evaluations described in the 2014 *LAUSD Historic Context Statement*. Adopted by the LAUSD Board of Education, the *LAUSD Historic Context Statement* offers a consistent, standard approach for evaluating schools and campuses throughout the district. The document utilizes the NRHP Multiple Property Documentation (MPD) format, which provides a comparative, context-driven framework for evaluating related properties. As discussed in that document, "the MPD approach defines themes of significance, eligibility standards, and related property types. Properties sharing a theme of significance are then assessed consistently, in comparison with resources that share similar physical characteristics and historical associations."[7]

2.2 Methods

This historical resources evaluation was completed in accordance with recognized professional standards, following the Secretary of the Interior's Standards for Preservation Planning, Identification, Evaluation and Registration; California Office of Historic Preservation; and National Park Service professional standards and guidelines. Applicable national, state, and local level criteria were considered, as were the context-driven methods and framework used in *LAUSD Historic Context Statement, 1869-1970*, and other applicable historic context statements, including SurveyLA, the citywide historic resources survey conducted by the Los Angeles Office of Historic Resources.[8]

Efforts were made to identify previous historical resource evaluations of the subject campus and other related LAUSD schools. This included a records search of the California Historical Resources Information System, conducted at the South Central Coastal Information Center at California State University, Fullerton in June 2017. The California Historical Resources Information System search reviewed the combined listings of the NRHP, CRHR, California State Historical Landmarks, California Points of Historical Interest, and California Historic Resources Inventory. In addition, the findings of the following surveys were reviewed:

- Post-1994 Northridge Earthquake Historical Resources Surveys: These surveys were conducted for the Federal Emergency Management Agency in support of compliance with Section 106 of the National Preservation Act and recorded 71 LAUSD campuses.

[6] Los Angeles Municipal Code, Section 22.171.7, added by Ordinance No. 178,402, Effective 4-2-07

[7] Sapphos Environmental, Inc. *Los Angeles Unified School District: Historic Context Statement, 1870 to 1969* (Los Angeles Unified School District Office of Environmental Health and Safety, March 2014).

[8] Ibid. As part of SurveyLA, the Los Angeles Department of City Planning Office of Historic Resources has been developing a citywide historic context statement that provides a framework for identifying and evaluating the city's historic resources: see Los Angeles Department of City Planning Office of Historic Resources, "SurveyLA, Historic Context," https://preservation.lacity.org/historic-context (accessed 2 October 2017).

- Phase 1 and 2 Getty Surveys: These surveys were conducted in two multi-year phases between 2001 and 2004 and expanded on the post-Northridge Earthquake surveys, covering approximately 410 LAUSD campuses.[9]
- 2014 LAUSD Historic Resources Survey: Completed in 2014, this historic resources survey included 55 LAUSD campuses that, at the time of survey, were over 45 years of age. Of these, 14 were found eligible for NRHP and/or CRHR listing.[10]
- SurveyLA: A multi-year, citywide historical resources survey that is currently being finalized by the Los Angeles Office of Historic Resources.

Property-specific research was also conducted to document the construction and alteration history of the subject campus and to explore potential significant associations. A package of historic aerial and topographic maps and Sanborn Fire Insurance Maps for the property was acquired from Environmental Data Resources. Other sources reviewed include the combined collections of ProQuest historical newspapers, historic *Los Angeles Times*, Los Angeles Public Library (including the California Index), University of Southern California Libraries and Special Collections, and the online photographic collection of the Huntington Library and yearbooks at Classmates.com. Rincon staff also reviewed Vault Drawings on file with LAUSD that include architectural plans and drawings detailing the construction and alteration histories of the subject campus and its buildings.

Shannon Carmack conducted an intensive-level survey of the subject campus on August 30, 2017. All buildings and structures on the subject campus were photographed and documented in field notes describing character-defining features, materials, and alterations. The survey included the exteriors and interiors of campus buildings.

The campus and its buildings were recorded on California Department of Parks and Recreation (DPR) 523 series forms, which are included in Appendix A of this report.

2.3 Previous Historical Resource Surveys

The Elizabeth Learning Center campus is located in the city of Cudahy and therefore was not evaluated as part of SurveyLA, the Los Angeles Office of Historic Resources citywide historic resources survey. In 2002, in fulfillment of a Planning Grant provided under the Preserve Initiative of the J. Paul Getty Trust, the LAUSD performed its first systematic survey in an effort to identify historically significant school properties within the district. The Elizabeth Learning Center campus was included in this survey and found ineligible for federal, state, or local designation.

[9] Leslie Heumann, Science Applications International Corporation, "Historic Resources Survey of the Los Angeles Unified School District," (Pasadena, CA, 2002-2004).

[10] Sapphos Environmental, Inc., *Los Angeles Unified School District: Historic Resources Survey Report* (Los Angeles Unified School District Office of Environmental Health and Safety, June 2014).

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3 Campus Site Description and History

3.1 Overview Description

Located in the city of Cudahy, Elizabeth Learning Center occupies a rectangular, 16acre campus. The school's main entrance faces Elizabeth Street, which marks the southern boundary of the campus. It is bound on the north by Clara Street, on the east by a small public park, and on the west by a United States Postal Service facility and a residential property. The grounds are mostly paved in asphalt, though in the northeastern and northwestern corners there are clay tennis courts and a playing field, respectively. There are 38 buildings and structures on the campus that were constructed between 1932 and 2001.

Buildings are arranged in a rough L shape along the school's southern and eastern boundaries. A primary cluster of permanent buildings is situated near Elizabeth Street, consisting of the Administrative Building, built in 1932; the Multi-Purpose Building, constructed in 1960; the Classroom Building, built in 1963; and Sanitary Building and seven classroom buildings constructed between 1990 and 2009. These buildings enclose an L-shaped, macadam-paved courtyard with planted trees and a large lunch shelter. Several portable buildings and the circa-1990 Physical Education building are arranged along the campus' eastern boundary. The buildings that make up the Elizabeth Learning Center possess a range of architectural styles, owing to an overall construction period spanning nearly 80 years.

Facing Elizabeth Street, the two-story, I-shaped Administrative Building is the most elaborate building on the campus and serves as the school's focal point. It conveys a Mediterranean Revival architectural style through a moderate-pitched roof clad in clay tiles, arched windows and doorways, and stuccoed exterior walls. The building's adherence to this style is minimal, however. Some of its Mediterranean Revival-style design elements were removed during remodeling, most notably the upper section of a three-story tower and an arcade, both formerly located near the eastern elevation. A setback on the southern elevation allows for a lawn and other landscaping in front of the building along Elizabeth Street.

Buildings elsewhere on the campus exhibit a degree of stylistic variety. The tall one-story Multi-Purpose Building has a frame structure erected on an irregular-shaped plan. Heavily altered, the southern half of the building has a low-pitched, gabled roof with wide eaves, while a flat roof caps a large addition to the north. The interior of the building includes an auditorium space that appears to retain much of its original appearance, including exposed wooden rafter beams. The two-story Classroom Building features a regular plan, flat roof, broad eaves, and multi-paned, aluminum-framed windows. Classrooms are accessible from the outside, with broad, covered exterior walkways tracing the building's perimeter on both floors. The cluster of circa-1990s classroom buildings, generally one-storied and built on irregular plans, are clad in stucco and feature exterior walkways sheltered by wide, heavily massed overhangs. Finally, the campus' many portable buildings are stylistically nondescript and are located along the eastern edge of the campus. Unique among these is a portable building located in the southeastern corner. Its most notable design elements—exposed rafter tails, gable vents, and multi-light, sash windows—suggest a construction date as early as the 1940s.

Residential uses predominate along Elizabeth and Clara streets in the immediate vicinity of the school. West of the school, however, these streets intersect Atlantic Avenue, a multi-lane commercial corridor.

Figure 3 Campus Map



Imagery provided by Google and its licensors © 2017.
Additional data provided by LA Unified School District, 2017.

Table 1 Elizabeth Learning Center Campus Buildings

No.	Name	Type	Year Built
20508	Physical Education	Permanent	1993
22052	A-1967	Portable	1994
22135	Oral Arts & Music Building	Permanent	1993
22139	Science Building #2	Permanent	1993
22220	A-1963	Portable	1994
22237	Graphic Arts & Electrical Shop	Permanent	1993
22330	Sanitary Building	Permanent	2001
22537	East Classroom Building #3	Permanent	1963
22566	Administrative Building	Permanent	1932
22577	Lunch Shelter	Permanent	1993
22603	Science Building #1	Permanent	N/A
22708	A-1962	Portable	1994
22709	A-1968	Portable	1994
22710	A-1964	Portable	1994
22711	A-1970	Portable	1994
22712	A-1959	Portable	1994
22713	A-1960	Portable	1994
22714	A-1961	Portable	1994
22786	A-1966	Portable	1994
22929	A-1965	Portable	1994
22947	DSA Building #1	Portable	2001
22948	DSA Building #2	Portable	2001
22955	Metal & Wood Shop	Permanent	1993
23816	A-1969	Portable	1994
25969	AA-3063	Portable	1997
26105	Classroom Building B	Permanent	1949
26208	AA-419	Portable	1948
26212	AA-2918	Portable	1996
26213	AA-2917	Portable	1996
26234	Multi-Purpose Building	Permanent	1960
26339	AA-2919	Portable	1996
26369	Classroom Building #4	Permanent	1993
29389	Student Store	Permanent	1993
32642	Classroom Building A	Permanent	1949
39542	AA-3064	Portable	1997
39543	A-1568	Portable	1990
43717	Concession Stand	Permanent	N/A
45353	DSA Building #3	Portable	N/A

Figure 4 Administrative Building, South Elevation



Figure 5 Administrative Building, North and East Elevations



Figure 6 Western End of Administrative Building, North Elevation



Figure 7 Science Building, North Elevation



Figure 8 Physical Education Building, South and West Elevations



Figure 9 Oral Arts & Music Building, South Elevation



Figure 10 East Classroom Building #3, North and West Elevations



Figure 11 Metal & Wood Shop Building, South and East Elevations



Figure 12 Multi-Purpose Building, South and East Elevations



Figure 13 Classroom Building A, East and North Elevations



Figure 14 Portable Buildings along Eastern Edge of Campus, West Elevations



Figure 15 Lunch Shelter



3.2 Site History and Construction Chronology

The Elizabeth Learning Center site and its surrounding neighborhood were undeveloped through the early years of the twentieth century.[11] The subdivision and sale of the area's land began in the 1910s, during which time real estate developers marketed several 1.5-acre lots for their agricultural potential and proximity to downtown Los Angeles."[12] While not all of the surrounding property was improved, by the early 1920s most of the long and narrow "Cudahy lots" located at the present school site appear to have contained single-family homes near the fronts of the lots and ancillary buildings, orchards, and gardens to the rear.[13] The increased settlement of the area resulted in the need for services and facilities, such as schools, to service the neighborhood's new residents.

Originally named San Antonio School, after the former rancho of which the land was once a part, the school opened in 1921, serving kindergarten through the eighth grade. The original campus consisted of approximately eight one-story buildings. The largest building, referred to as the Primary Building, was located at the center of the campus and was flanked by three smaller classroom buildings on each side.[14]

Between 1924 and 1926, the large, one-story No. 2 Building was constructed as a replacement for the three classroom buildings that had been located east of the Primary Building. Its architect was not ascertainable for the present evaluation.[15] The new building had a U-shaped floorplan and a covered walkway in the interior courtyard.[16] In addition, the number of classroom buildings on the western edge increased to five, as another smaller, U-shaped building was added to the rear (north of) the original Primary Building and another small classroom building was located behind the No. 1 Building (Figure 16).[17]

[11] Environmental Data Resources, Inc. (EDR). 2017. EDR Historical Topo Map Report: Elizabeth St. ES. Shelton, CT. June 20.
[12] 1913. Beazell and Marshall. *Los Angeles Herald.* Home Acres for home Makers on Cudahy Acres; 1917. *Los Angeles Herald.* Rich soil in L.A. Makes Farm Popular. April 7.
[13] Environmental Data Resources, Inc. (EDR). 2017. EDR Aerial Photo Decade Package & Historic Topo Map Report: Elizabeth St. ES. Shelton, CT. June 20; 2016. *Business View Magazine*. Cudahy, California: Small City, Big Plans (reproduced by City of Cudahy).
[14] Environmental Data Resources, Inc. (EDR). 2017. EDR Historical Topo Map Report: Elizabeth St. ES. Shelton, CT. June 20.
[15] 1924. *Los Angeles Sunday Times*. Foundations Laid. August 24.
[16] Los Angeles Unified School District (LAUSD). 2017. Vault Drawings: 1931-2009. From LAUSD Facilities Site Portal: Site 13480, Elizabeth Learning Center. Los Angeles, CA. July 25, 2017; Environmental Data Resources, Inc. (EDR). 2017. EDR Historical Topo Map Report: Elizabeth St. ES. Shelton, CT. June 20.
[17] Environmental Data Resources, Inc., Historical Topo Map Report.

Figure 16 1929 Sanborn Fire Insurance Company Map of Current Site of Elizabeth Learning Center



In 1931, architect Robert H. Orr produced plans for a new main building (Administrative Building) fronting Elizabeth Street, situated slightly to the west of the U-shaped building. The two-story, brick classroom and administrative building was completed in 1932 at a cost of $67,000.[18] Orr designed the new school building in a Mediterranean Revival style featuring arcades, arched window and door openings, tile vents, a clay tile roof, and a tower and a chimney at opposite ends of the building (Figure 17).[19] By 1938, the Primary Building had been moved to the west, making way for the Administrative Building. Meanwhile, the rear portion of the campus was cleared of its older classroom buildings and a small Cafeteria was erected behind No. 1 Building. Around this time, most of the residential parcels surrounding the campus were developed with houses (Figure 18).[20]

[18] Ibid; 1933. *Los Angeles Times*. All City Schools Will Be Thoroughly Inspected Before Children Allowed to Enter. March 15.

[19] Los Angeles Unified School District, Vault Drawings.

[20] Environmental Data Resources, Inc., Aerial Photo Decade Package Report.

Figure 17 1931drawing of the North and South Elevations of the Administrative Building

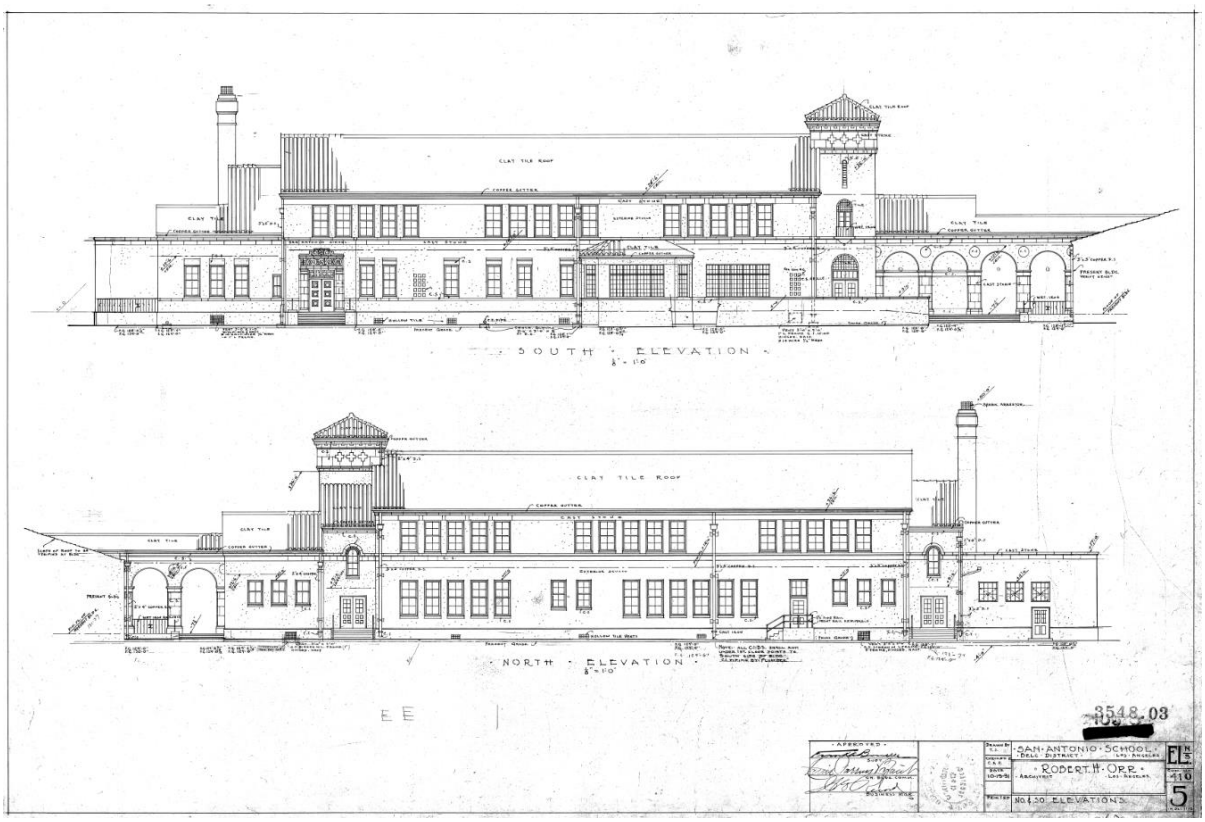


Figure 18 Detail of 1938 Aerial Photograph of Elizabeth Learning Center and Environs



The 1933 Long Beach earthquake caused serious damage to many Los Angeles-area schools, including the Elizabeth Learning Center (then named the San Antonio School), where the main Administrative Building incurred damage to its chimney.[21] State and local officials responded to widespread earthquake-related damage to Southern California schools with new legislation: the California state Legislature passed the Field Act of 1933 that set new guidelines for the construction of safer school facilities, and the Los Angeles City School district adopted its own revised building standards and launched a program of school rebuilding and rehabilitation in the years following the earthquake.[22]

Despite the execution of this large-scale program to rehabilitate and rebuild Los Angeles schools, available records do not definitively indicate that any such projects took place at the subject campus. However, it is possible that officials approved the demolition of the original No. 2 Building as a response to the earthquake. The building is described in architectural plot plans as having had a hollow tile roof and plaster walls and was demolished between 1938 and 1944.[23] It was nearly

[21] 1933. *Los Angeles Times*. All City Schools Will Be Thoroughly Inspected Before Children Allowed to Enter. March 15; 1933. *Los Angeles Times*. City's Schools Shut For Week. March 13.

[22] Sapphos Environmental, Inc., 63.

[23] Environmental Data Resources, Inc., Aerial Photo Decade Package Report; Los Angeles Unified School District, Vault Drawings.

twenty years after the Long Beach earthquake before significant seismic safety measures were introduced at Elizabeth Street Elementary School's pre-1933 physical plant.

Elizabeth Street School experienced significant change in the years following World War II, due to changing demographics and new patterns of development. Pronounced population growth brought major changes to the Los Angeles region and its schools. As explained in the *LAUSD Historic Context Statement*:

> Perhaps in no other state of the union was [postwar population] growth felt more acutely than in California. The booming birth rate was accompanied by a wave of in-migration, as new settlers were drawn by established employment centers in, among other things, the aerospace industry, which had shifted operations to peacetime production.[24]
>
> Overcrowding led to the need to offer "half-day" sessions for children, where attendance happened in shifts of half-days. Bond issues in 1946, 1952, and 1955 addressed the pressing need for new school construction, and the resulting funds paid for the construction and expansion of numerous schools. The 1946 bond issue provided $75 million, which helped generate 66 new schools, with a total of over 2,300 classrooms, over 480 cafeterias, gyms, auditoriums, and other ancillary buildings. In addition, over $7.8 million went toward land for new schools, $3.2 million for maintenance and improvements to an aging stock of facilities, $4.5 million for grounds improvements, and $10.6 million for equipment. In spite of these investments, another $148 million was proposed for a 1952 bond issue.
>
> In 1948, district-wide enrollment stood at 301,000 students; by 1949, this figure had increased by 15,000, with enrollment reaching over 316,000. By the end of the 1950s baby boom, however, the student population of the Los Angeles City school district more than doubled, climbing from 316,000 to over 645,000. A further increase of 28,000 pupils was predicted for the school year 1960–1961.[25]

As postwar growth took place in the wider Los Angeles region, Cudahy experienced its own population boom. Drawn to the community by jobs at nearby industrial plants, an influx of white, blue-collar families settled in what was then semi-agricultural Cudahy. Whereas hen houses and gardens had once occupied the rear of the neighborhood's long, narrow parcels, around the school, property owners began to build second and third dwellings on their lots. The school expanded in the 1950s and 1960s to meet the demands of the neighborhood's growing population: by 1950 the campus grew to occupy approximately double its 1920s footprint. That year, the campus was composed of the Primary Building, Administration Building, and as many as ten smaller classroom and ancillary buildings.[26] Additional classroom buildings were constructed in 1951, 1957, 1960, and 1963. Robert H. Orr's firm, Orr, Strange, Inslee, & Senefeld, designed the extant 1963 Classroom Building.[27] The original Primary Building was removed or demolished and replaced by a new multi-purpose building constructed in 1960. By 1966 the campus occupied about eight parcels and consisted of over 20 buildings. The density of the surrounding neighborhood increased as well (Figure 19).[28]

[24] Sapphos Environmental, Inc., *LAUSD Historic Context Statement* (p. 71).

[25] Sapphos Environmental, Inc., *LAUSD Historic Context Statement* (p. 102).

[26] EDR Environmental Data Resources, Inc., Certified Sanborn Map Report.

[27] Los Angeles Unified School District, Vault Drawings.

[28] EDR Environmental Data Resources, Inc., Certified Sanborn Map Report.

Figure 19 Detail of 1966 Sanborn Fire Insurance Company Map



In 1959, the school hosted a pilot project for a new seismic stabilization method intended to quickly and cost-effectively bring buildings into compliance with the 1933 Field Act. The new method employed mesh and reinforced plaster as a substitute for the more expensive and time-consuming convention of installing structural steel and concrete supports. Elizabeth Street School was one of about 200 campuses that the school district/board planned to rehabilitate between approximately 1959 and 1975. Consulting engineers involved in the project included Earl Holmberg, John C. Freeman, John J. Sturgis, and Charles E. Stickney. Hight Construction Company served as the general contractor and Gaston Duncan was the plastering subcontractor.[29]

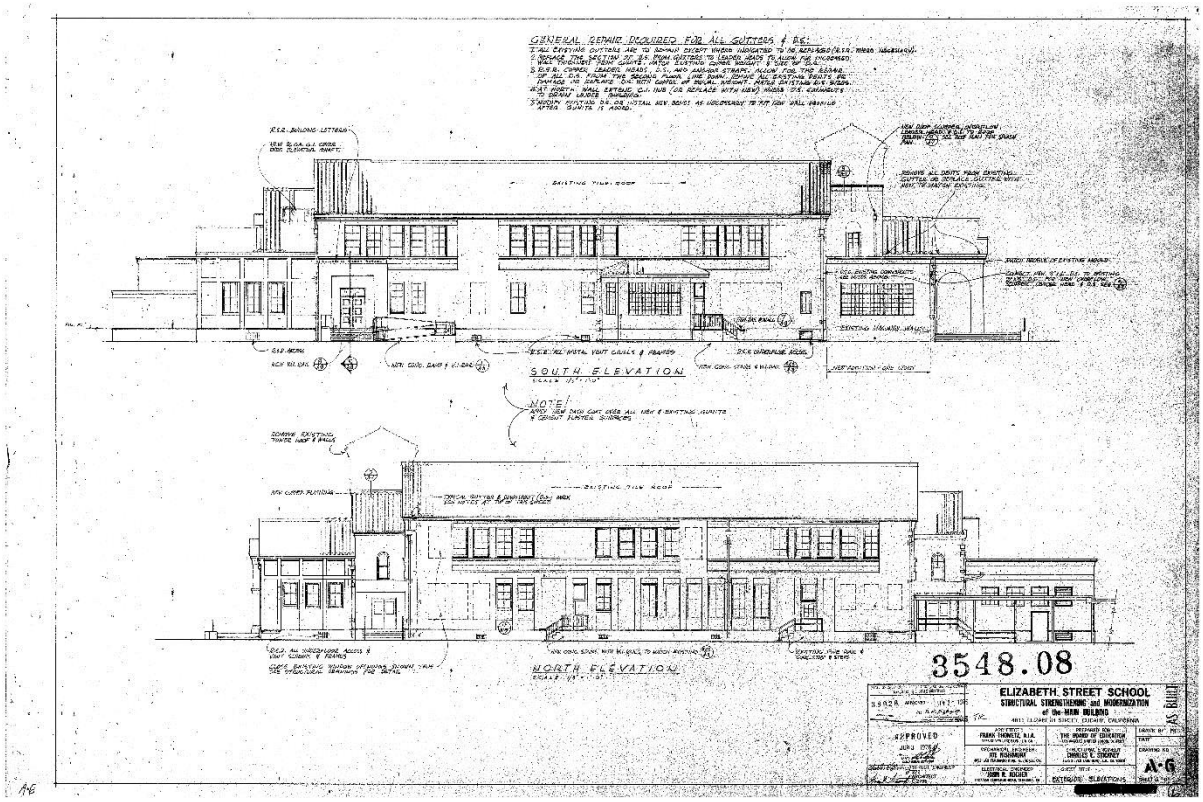
During the 1960s, schools in Los Angeles' central city experienced a surge in enrollment reflecting an increase in the local population. As the once-booming San Fernando Valley's population growth slowed, the LAUSD focused on expanding older and smaller schools in the central city area. In 1967,

[29] 1959. *Los Angeles Times*. New Reinforcing Plan Saves Money, Schools. March 16.

Elizabeth Street School had the largest enrollment among elementary schools in the district with 2,240 students.[30]

Officials authorized several significant changes to the Elizabeth Street Elementary School physical plant starting in the early 1970s. Several alterations were carried out, according to a 1975 plan for the modernization and strengthening of Administrative Building. These included structural reinforcement, the replacement of several windows, the application of new gunite and cement plaster to exterior walls, and the removal of the upper section of a masonry-walled tower (Figure 20).[31]

Figure 20 1976 drawing of the North and South Elevations of the Administrative Building



Beginning in the 1990s, a number of construction projects were initiated, aimed at converting the campus to its current function as a K-12 school that was, at that time, rechristened the Elizabeth Learning Center. District officials approved building rehabilitations in 1990, sanctioning plans for the reconfiguration of buildings A and B for use as junior high school classrooms.[32] Between 1989 and 1994, the school acquired, and subsequently cleared, several adjoining residential parcels, expanding the campus to its current size. This acquisition accommodated the addition of a ballfield at the northwestern corner of the property and the construction of several major buildings. These include the circa-1994 additions of the Physical Education Building at the property's northeastern

[30] 1967. Burleigh, Irv. *Los Angeles Times.* Valley Growth Reflected in Big High School Enrollments. February 14.

[31] Los Angeles Unified School District, Vault Drawings.

[32] Ibid.

corner, a cluster of classrooms just west of the Administration Building, and a cluster of science classrooms near the center of the campus.[33] In addition, dozens of extant portable classrooms and other minor buildings have stood on the campus since at least the late 1990s, mostly situated along the eastern and northern property lines.[34] The southwestern corner of the property was converted to a parking lot between 1994 and 2002.[35] Residential development remains predominant in the area surrounding the campus.

[33] Environmental Data Resources, Inc., EDR Aerial Photo Decade Package Report.

[34] Ibid.

[35] Ibid.

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4 Historic Overview

4.1 Focused Neighborhood History

Only 1.23 square miles in size, the city of Cudahy was once part of the nearly 30,000-acre Spanish-era Rancho San Antonio. Don Antonio Maria Lugo was granted the enormous rancho in 1810; it included portions of the modern-day cities of Bell, Bell Gardens, Cudahy, Huntington Park, Lynwood, South Gate, Vernon, and an unincorporated area of East Los Angeles.[36] Michael Cudahy, who was involved in a successful meat-packing businesses originating in the Midwest, acquired 2,777 acres of the rancho land in 1908. He began selling one-acre lots in what he called "Cudahy Acres." The lots measured 100 feet by 395 feet and were intended to allow inhabitants to plant gardens and keep animals such as chickens and horses. The lots were attractive to new arrivals from the Midwestern and southern parts of the United States, and population in the area increased during the 1910s and 1920s. Settlement in Cudahy was part of a larger trend in the Los Angeles region in this period, where in the 30 years between 1880 and 1910, rapid growth increased the population of Los Angeles from 10,000 to 320,000.[37] In the 1910s, important regional developments fueled further expansion in and around Los Angeles. The *LAUSD Historical Context Statement* notes that "[in] addition to the 1913 opening of the Los Angeles Aqueduct, the film industry settled in the Los Angeles area during this time, and its economic strength drew new residents." This growth continued into the 1920s:

> During the boom of the 1920s, Los Angeles film and aeronautics industries remained strong draws for new settlers. In one decade, between 1920 and 1930, Los Angeles's population doubled, climbing to 1.2 million, making the city the fifth largest in the United States. At a high point during the 1920s, new residential subdivisions were being established at the rate of 40 per week in the city of Los Angeles. By 1930, Los Angeles spanned 441 square miles. This represented a twelvefold expansion in 30 years.[38]

Los Angeles's prodigious regional growth continued during and after World War II. Following the war, Cudahy prospered in part due to the local steel and automotive industries. Firms such as General Motors, Chrysler, Firestone, and Bethlehem Steel established plants in or near Cudahy.[39]

A campaign for the incorporation of Cudahy began in 1959. At the time, leading proponents characterized the incorporation drive as an effort to "ward off piece-meal annexations of the area by surrounding cities," including South Gate and Bell, and to thereby "maintain the community in its present residential and commercial character."[40] Cityhood opponents emerged from the community, including some who doubted that the value of property in the proposed city would allow for its financial solvency. Incorporation proponents carried the vote, however, and Cudahy attained cityhood in 1960.[41] In the ensuing decades, the original long narrow lots were subdivided

[36] Kyle, Douglas E. Historic Spots in California (5th Edition). *Stanford University Press.* 2002.

[37] Los Angeles, City of.2012. Southeast Los Angeles Community Plan Area. Survey LA-Historic Resources Survey Report. Department of City Planning. Prepared by Galvin Preservation Associates. El Segundo, CA. March, 2012, 9.

[38] Sapphos Environmental Inc., *LAUSD Historic Context Statement* (p. 30, 44).

[39] N.d. City of Cudahy. Cudahy, California: Small City Big Plans.

[40] 1959. *Los Angeles Times.* Cityhood Try Planned at Cudahy: Sponsors Recruit Group to Obtain Petition Signers. November 1; 1960. *Los Angeles Times.* Cudahy Given Chance to Try for Cityhood. February 7.

[41] 1959. *Los Angeles Times.* Cudahy Groups to Oppose Cityhood. November 8; N.d. City of Cudahy. Cudahy, California: Small City Big Plans.

and redeveloped, resulting in a common pattern of long public blocks with long driveways leading to homes and apartment buildings arranged one behind the other.[42]

The city is densely populated with residential, retail, commercial, light industrial, and public uses along its main streets.[43] As of the latest federal Census, the population was approximately 23,805 people, 96 percent of whom were of Latino descent.[44]

[42] 2016. City of Cudahy. Existing Conditions Report: Cudahy 2040.

[43] 1899. Willard, Charles Dwight Willard. A History of the Chamber of Commerce of Los Angeles, California: From Its Foundation, September, 1888 to the Year 1900 (Los Angeles: Kinglsey-Barnes & Neuner Company).

[44] 2010. United States Census Bureau. "Cudahy: 2010 Demographic Profile Data". Accessed June 2, 2017 at https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?src=CF.

5 Associated Design Professional Biographies

The following section presents biographies for design professionals who are known to be associated with the primary and potentially significant buildings at Elizabeth Learning Center.

5.1 Robert H. Orr

Robert Hall Orr, FAIA, designed Elizabeth Learning Center's Administrative building, which was constructed in 1932.[45] In 1961, Orr, Strange, Inslee, & Senefeld designed the extant Classroom Building on the east side of the Elizabeth Learning Center campus.[46] Orr was born in 1873 in Canada and immigrated to the United States in 1881.[47] He studied architecture for two years at the University of Illinois, but received his architectural training primarily in the San Francisco office of architect William H. Weeks.[48] Although Orr's first draftsman position with Weeks was unpaid, he took a formal, paid position in Weeks's Watsonville, California office in 1898.[49] Orr relocated to Pomona, California and opened his own firm there by 1910.[50] He soon operated offices in Pomona and San Diego.[51] At the time of the 1920 U.S. Census, Orr lived in Los Angeles with his wife Hilda, his daughter Faith, and his father.[52]

Orr designed a wide variety of buildings, including residences, churches, banks, and school buildings.[53] His Wilshire Christian Church building is a City of Los Angeles Historic Cultural Monument, and his Pitzer House in Claremont, California is listed in the NRHP.[54] Orr joined the Southern California chapter of the American Institute of Architects in 1912 and was made a fellow of that organization in 1941. He died in 1964.[55]

[45] Los Angeles Unified School District, Vault Drawings.
[46] Ibid.
[47] 1930. United States Department of Commerce – Bureau of the Census. U.S. Census.
[48] 1913. Harper, Franklin. Who's Who on the Pacific Coast: A Biographical Compilation of Notable Living Contemporaries West of the Rocky Mountains. Los Angeles: Harper Publishing Company. Accessed on December 30, 2017 at ancestry.com.
[49] 2015. Michelson, Alan. Robert Hall Orr. Pacific Coast Architecture Database. Accessed at http://pcad.lib.washington.edu/person/874/.
[50] 1910. United States Department of Commerce – Bureau of the Census. U.S. Census.
[51] Harper, 1913.
[52] 1920. United States Department of Commerce – Bureau of the Census. U.S. Census.
[53] Gebhard, David and Robert Winter. *An Architectural Guidebook to Los Angeles* (Salt Lake City, Utah: Gibbs Smith Publisher, 2003).
[54] Calisphere, "Wilshire Christian Church," (n.d.). Accessed December 30, 2017,< https://calisphere.org/item/1c171e63e2a39d87f03206e5f198ad86/>; National Park Service, National Register of Historic Places Digital Archive. Accessed December 30, 2017, < https://npgallery.nps.gov/NRHP/SearchResults/>.
[55] Michelson, 2015.

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6 Significance Evaluation

This evaluation utilized the framework for historic resource assessments described in the *LAUSD Historic Context Statement, 1870-1969*, which follows the NRHP MPD format that "defines themes of significance, eligibility standards, and related property types. Properties sharing a theme of significance are then assessed consistently, in comparison with resources that share similar physical characteristics and historical associations."[56] In addition, this evaluation utilized the MPD-format historic context statements prepared as part of SurveyLA that similarly identify themes of significance along with associated registration requirements.[57]

In addition to each of the applicable federal, state, and local designation criteria, one evaluation framework and its associated eligibility standards and integrity thresholds from the *LAUSD Historic Context Statement* were identified and applied to this evaluation after careful consideration of all themes and subthemes. Each building on the campus was evaluated for eligibility both individually and as a contributor to any potential historic district. For buildings that were found to be potentially eligible, an integrity analysis was carried through in Section 7 to determine if the property retained sufficient integrity to convey the reasons for its significance.

Evaluation Framework 1

Theme: LAUSD | Pre–1933 Long Beach Earthquake School Plants, 1910-1933

Property Type: Institutional/Education

Property Subtypes: Elementary, Junior High, and High Schools Buildings and Campuses

Period of Significance: 1910–1933

Area of Significance: Education

Geographic Location: Citywide

Area of Significance: A/1

Eligibility Standards

- Embodies LAUSD school planning and design ideals and principles of the era
- One of few remaining schools from the pre–1933 Long Beach earthquake era that was not substantially altered or remodeled
- Retains most of the associative and character-defining features from the period of significance

Character-Defining Features – Buildings/Structures

- Articulated buildings plans, facilitating the creation of outdoor spaces (often T- shaped, E-shaped, U-shaped, and H-shaped plans)
- Generally low massing, usually one to two stories (with two to three stories more common for middle and senior high schools)

[56] Sapphos Environmental, Inc., *LAUSD Historic Context Statement* (p 4).

[57] Los Angeles, City of. 2016. *Field Survey Results Master Report.* Survey LA-Los Angeles Historic Resources Survey. Department of City Planning. Los Angeles, CA. August, 2016.

- Includes designed outdoor spaces, such as courtyards and patios, adjacent to classroom wings
- Exteriors usually lined with rows of grouped windows, including wood-framed multi-light windows; expanses of windows often mark the location of classrooms
- Designed in popular period-revival styles of the era (including Spanish Colonial Revival, Renaissance Revival, Mediterranean Revival, and Collegiate Gothic)
- Often designed by prominent architects of the era

Character-Defining Features – Campus/District

- Emphasis on a more spread-out site plan, with designed outdoor spaces
- More varied collection of buildings, differentiated by function and use (rather than a single building with all functions inside)
- Might include an elaborate Administrative building, usually the focal point of the campus, as well as classroom wings, auditoriums, gymnasiums, and outdoor recreation areas
- Middle or senior high schools might include a gymnasium designed in the style of the campus overall

Integrity Considerations

- Most pre-1933 schools were substantially remodeled following the Long Beach earthquake
- Designed outdoor spaces, such as courtyards and patios, should be intact in use, if not with landscape design and hardscaping; development pressures over the years often resulted in these open spaces being in-filled with new construction; overall sense of relationship of building to designed outdoor spaces should be intact
- Should retain integrity of Materials, Design, Workmanship, Feeling, and Association from its period of significance
- Intact campus groupings from a single period of time are not common
- Some materials and features may have been removed or altered
- Modern lighting and fencing of site acceptable

6.1 Designation Criteria A/1/1

Historic District Evaluation: Extant buildings on the subject campus were developed over a period of nearly 70 years and do not exhibit a unified site plan nor architectural style that meet the eligibility requirements for historic districts as described in the *LAUSD Historic Context Statement* for eligibility under Criteria A/1/1.

Individual Resource Evaluation: None of the buildings appear to be individually eligible per the registration requirements described *LAUSD Historic Context Statement* for eligibility under Criteria A/1/1. As originally designed in 1931, the Administrative Building exhibited many of the common features of schools from its era, including most notably a Mediterranean Revival-style design that included a tower, arcade with arched openings, and ornate cast stone elements. Unlike many school buildings from this era, the Administrative Building was not extensively altered following the 1933 Long Beach earthquake, but a 1976 seismic rehabilitation project resulted in the removal and/or alteration of many of the building's character-defining features, including most notably the

demolition of the building's distinctive tower and arcade. These changes, as well as additions to both the east and west elevations, have resulted in a loss of integrity as discussed in greater detail below, and the building no longer meets the integrity considerations identified in *LAUSD Historic Context Statement*.

The remaining campus buildings do not appear individually eligible for federal, state, or local designation. They were constructed over a period of nearly 70 years and do not meet the eligibility requirements described in the *LAUSD Historic Context Statement* for eligibility under Criteria A/1/1.

6.2 Designation Criteria B/2/2

Historic District and Individual Resource Evaluation: As a public elementary school, the subject campus and its individual buildings are associated with a number of individuals who attended, visited, or taught at the school. However, per the guidance of the National Park Service, properties that are significant for their association with an important person in our past, must illustrate a person's important achievements.[58] Archival research completed as part of this study failed to identify any direct and significant associations that are directly represented by the subject campus. As a result, the campus and its buildings do not appear eligible for designation either individually or collectively as a historic district under Criterion B/2/2.

6.3 Designation Criteria C/3/3

Historic District Evaluation: Developed in phases over a period of nearly 80 years, the campus buildings feature a variety of architectural styles that are representative of the period in which they were constructed. The campus does not feature cohesive design intent such that it meets any of the applicable eligibility standards described in the *LAUSD Historic Context Statement* and as a result does not appear eligible as a historic district under Criteria C/3/3.

Individual Resource Evaluation: The campus buildings do not appear individually eligible for federal, state, or local designation under Criteria C/3/3. The 1976 seismic rehabilitation of the Administrative Building removed and/or altered many of the building's distinctive Mediterranean Revival-style features, including most notably the tower and arcade with arched openings. As a result the Administrative Building no longer retains sufficient integrity to be individually eligible for federal, state, or local designation.

The postwar buildings on campus are not eligible under Criteria C/3/3. Although some of these buildings display minimal degrees of a Mid-Century Modern -influenced architecture, such as flat roofs and a modular design, these buildings lack the distinction required of significant properties for designation under Criteria C/3/3.

[58] U.S. Department of the Interior, National Park Service.(p.14). 2002. *How to Apply the National Register Criteria for Evaluation*. National Register Bulletin No. 15. Washington, DC.

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7 Integrity

Integrity is the ability of a property to convey its historic significance. In order to retain integrity, the property must possess enough of its character-defining features, materials, and spaces such that it continues to convey the reasons for its significance. According to the National Park Service, there are seven aspects of integrity: location, design, setting, materials, workmanship, feeling, and association.[59]

To retain integrity, a property will always possess several of these aspects, with those relevant aspects dependent on the property's significance. The Administrative Building at the Elizabeth Learning Center was found to be potentially eligible as a representation of pre-1933 Long Beach earthquake school plants, but substantial alterations have affected some aspects of its integrity as detailed below.

7.1 Location

The Administrative Building has not been relocated from its original site; therefore, it retains integrity of location.

7.2 Design

As designed by Robert H. Orr in 1931, the Administrative Building featured a distinctive Mediterranean Revival-style design that was characteristic of schools during this era. Prominent original features representative of this style included the building's tall rectangular tower, an arcade with arched openings, and elaborate cast stone architectural elements. These features were retained for over 40 years following the 1933 Long Beach Earthquake, but they were ultimately removed as part of a 1976 seismic rehabilitation. That project also resulted in the application of gunite and cement plaster to exterior walls and one-story additions to the east and west elevations. The removal of many of the building's original design elements that constitute and were highly reflective of the form, plan, and style of the building's original Mediterranean Revival design has negatively affected those features. As a result, the Administrative Building no longer retains integrity of design.

7.3 Setting

The setting of the Administrative Building has substantially changed since the building was first constructed in 1932. At that time, the school boundaries were limited to a smaller mid-block parcel that was surrounded by residential and vacant properties. While the surrounding area was further developed in the following decades, these properties were later acquired and demolished as the school boundaries were expanded to their current configuration after 1989. In addition to these noticeable changes, all of the early buildings on the school campus that contributed to the setting of the Administrative Building have been demolished and replaced with buildings that feature more

[59] U.S. Department of the Interior, National Park Service (p. 44-47). 2002. *How to Apply the National Register Criteria for Evaluation*. National Register Bulletin No. 15. Washington, DC.

modern, incompatible architectural styles. As a result, the Administrative Building no longer retains integrity of materials.

7.4 Materials

As discussed above, the Administrative Building has been substantially altered through its history, particularly during its 1976 seismic rehabilitation. The alterations resulted in the extensive removal and/or alteration of original building materials, including the demolition of its original tower, arcade, and cast stone ornament, and the application of gunite and cement plaster over its original stucco exterior wall sheathing. The Administrative Building does not retain integrity of materials as a result.

7.5 Workmanship

The physical evidence and workmanship of the Administrative Building were largely erased following the application of gunite and plaster to exterior walls and the removal of original cast stone architectural features. The building no longer retains integrity of workmanship as a result.

7.6 Feeling

The integrity of feeling is the quality a property has in evoking a historic sense of past, and is largely tied to a property's integrity of design, setting, materials, and workmanship. Because all of these aspects of integrity have been compromised, the Administrative Building no longer retains integrity of feeling.

7.7 Association

Similar to feeling, the integrity of association depends on a period appearance and is conveyed through the combination of integrity of setting, location, design, workmanship, materials, and feeling. Because the Administrative Building does not possess many of these aspects it does not retain integrity of association.

7.8 Summary

As summarized above, the Administrative Building is associated with the theme of pre-1933 Long Beach earthquake school plants. However, substantial alterations that occurred in the 1970s and subsequent years have resulted in a loss of integrity of design, setting, materials, workmanship, feeling, and association. As a result, the building does not meet the integrity considerations identified in *LAUSD Historic Context Statement, 1870-1969* for schools from this era and it does not appear eligible for federal, state, or local designation.

8 Conclusion

In summary, the Elizabeth Learning Center campus is recommended ineligible for federal or state designation under any applicable criteria. Although the campus was originally developed in the context of pre-1933 Long Beach earthquake schools in greater Los Angeles, only the Administrative Building is extant from this early time period. This building has been highly altered since its original construction, in particular following a 1976 seismic rehabilitation that removed many of the building's original Mediterranean Revival-style features, and as a result it does not appear to meet the registration requirements outlined in the *LAUSD Historic Context Statement* for a pre-1933 Long Beach earthquake school. The remaining buildings and structures are not unified in their design and their placement does not contribute to a unified campus plan of any significance. None of the extant campus buildings appear to possess significant associations under any other relevant contexts and they do not appear eligible for federal or state designation under any applicable criteria; therefore, the campus is not considered a historical resource for the purposes of CEQA.

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PRELIMINARY GEOTECHNICAL REPORT
PROPOSED CAMPUS MODERNIZATION PROJECT

Elizabeth Learning Center
4811 Elizabeth Street
Cudahy, California

Prepared for:

LOS ANGELES UNIFIED SCHOOL DISTRICT
333 South Beaudry Avenue, 22nd Floor
Los Angeles, CA 90017

Prepared by:

GROUP DELTA CONSULTANTS, INC.
370 Amapola Avenue, Suite 212
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GDC Project No. LA-1321

May 17, 2017

GROUP DELTA

Los Angeles Unified School District
333 South Beaudry Avenue, 22nd Floor
Los Angeles, CA 90017

May 17, 2017
GDC Project No. LA-1321

Attention: Mr. Peyman Soroosh Moghadam, P.E., S.E.
Supervising Structural Engineer

Subject: Preliminary Geotechnical Report
Proposed Campus Modernization Project
Elizabeth Learning Center
4811 Elizabeth Street, Cudahy. California

Dear Mr. Moghadam:

Group Delta Consultants, Inc. (GDC) is pleased to submit this preliminary geotechnical report for the proposed campus modernization project planned for the Elizabeth Learning Center at 4811 Elizabeth Street, Cudahy, California. Our scope of work was conducted in general accordance with our proposal dated January 31, 2017 (LAUSD PO #4500300662).

We appreciate this opportunity to provide geotechnical and geologic services for your project. If you have any questions pertaining to this report, or if we can be of further service, please do not hesitate to contact us.

Sincerely,

GROUP DELTA CONSULTANTS, INC.

REGISTERED PROFESSIONAL ENGINEER
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PRELIMINARY GEOTECHNICAL REPORT
PROPOSED CAMPUS MODERNIZATION PROJECT
ELIZABETH LEARNING CENTER
4811 ELIZABETH STREET, CUDAHY, CALIFORNIA

1.0 INTRODUCTION

1.1 General

This Preliminary Geotechnical Report has been prepared for the proposed campus modernization project at the Elizabeth Learning Center in Cudahy, California. The purpose of the Preliminary Geotechnical Investigation is to identify the geotechnical conditions within the campus and provide preliminary, but complete, recommendations for planning the overall project. Depending on the final details and the locations of new buildings, additional explorations may be required to meet the Code requirements concerning the minimum number of explorations required per building.

The general location of the school campus is shown on the Site Vicinity Map in Figure 1. The campus, existing structures, and the locations of our current exploratory borings/CPT are shown in Figure 2.

1.2 Project Description

At the time of this submittal, the proposed campus modernization project is in a preliminary planning stage and a design team has not yet been selected. It is our understanding that the design will conceptually consist of the modernization of existing campus buildings and construction of new buildings up to 3-stories in height. Some of the newly constructed buildings may have subterranean parking. The specific details regarding the elements of the project, including architectural and structural plans and structural loads, are not yet available.

1.3 Scope of Work

Our scope of work included the following:

- Review available published geologic and geotechnical reports, and geologic publications and maps pertaining to the site and surrounding area.
- Conduct a geotechnical field investigation to investigate the subsurface conditions at the site, which consisted of drilling four (4) hollow stem auger (HSA) borings to depths of 31.5, 51.5 and 71.5 feet and advancing six (6) Cone Penetration Test (CPT) soundings to depths between 70.5 and 98.8 feet.
- Perform laboratory tests on selected soil samples from the geotechnical field investigation to define the subsurface profile and to evaluate the physical properties and engineering characteristics of the soils encountered.
- Provide evaluation and recommendations regarding the geologic and seismic hazards

affecting the proposed campus modernization in accordance with the 2016 California Building Code (CBC), ASCE 7-10, and CGS Note 48, including a site-specific ground motion analysis.
- Provide geotechnical recommendations for site grading, soil removal, earthwork, excavations and shoring, retaining walls, and foundation design.
- Provide pavement design recommendations for TI's ranging from 4 to 7.
- Evaluate the expansion potential and corrosivity of soils that will be in contact with buried concrete or metals.
- Prepare and submit eight (8) copies of this report, along with an electronic copy.

It should be noted that when the elements/buildings for the Campus Improvement Project are finalized, it may be necessary to drill additional borings to meet the California Building Code (CBC) requirement that there is at least 1 boring per 5,000 square feet of building footprint. In addition, CGS will not provide their final approval until this requirement is met, and a description of the project elements is provided.

2.0 GEOLOGY AND SEISMIC SETTING

2.1 Regional Geology

The site is located within the seismically active Los Angeles Basin area of southern California. The basin formed over 7 million years ago during transtensional tectonism between northwest and east-west trending fault systems (Wright 1991). Today, the basin is undergoing transpressional stress, bound by surrounding uplifting thrust blocks including the Whittier, Palos Verdes, and Santa Monica-Hollywood-Raymond fault systems. Internally, the basin is filled with sedimentation thousands of feet thick structurally influenced by thrusting fault blocks and strike slip faults dividing the basin into northwest trending valleys and ridges (Dolan, et al., 1995). The location to the site with respect to regional geology is presented in Figure 4 Regional Geologic Map.

2.2 Local Geology

The site is centrally located within the Los Angeles Basin on a broad alluvial fan gently sloping south. Structurally the fan is bound by the Santa Monica-Hollywood-Raymond fault system in the north, the Newport-Inglewood fault zone to the west and the Elsinore fault zone to the east. The alluvial fan deposits derived from erosional debris transported southward from the Santa Monica Mountains. The Los Angeles River flows south, directed through a concrete lined channel, located about 0.6 miles east of the site. Paleo meandering and flooding of the river has also contributed to the alluvial deposits underlying the site. The location of the site with respect to local geology is presented in the, Figure 2.

2.3 Seismic Setting

2.3.1 Seismic Faults

The site is located within the seismically active area of southern California and there is a potential for the site to experience strong ground shaking from local and regional faults. A fault that is considered to be seismically active is one that has ruptured in the last approximate 11,000 years (Holocene). A fault that is considered to be potentially active is one that has ruptured in the last approximate 130,000 years. Current regional seismic conditions summarized here-in are largely based on data provided by the USGS online fault and fold database, unless otherwise noted. The location of the site with respect to regional faults with the potential for future seismic activity is presented in Figure 5 Regional Fault and Seismicity Map.

Seismically active faults nearest to the site include the Puente Hills, Elysian Park, Newport-Inglewood, Whittier, and Raymond faults. The closest active fault to the site is the Puente Hills Blind Thrust fault. It is comprised of a series of stepping thrust belts, buried below the surface dipping to the northeast. One of the fault segments surface trace is projected about 0.25 miles south of the site. The Puente Hills fault projects at depth beneath the site and is considered capable of generating a magnitude (M) 6.9 earthquake. The site may be subject to hanging wall effects during and following a significant earthquake event. The surface projection of the Lower Elysian Park Blind Thrust Fault is located approximately 1 mile northeast of the site and is capable of generating a M6.7 earthquake. The Puente Hills and Elysian Park faults are considered sources for the Whittier Narrows M5.3 and 5.9 earthquakes in 1987.

Newport-Inglewood Fault Zone, which is about 6.1 miles west of the campus. The Newport-Inglewood Fault is a northwest trending strike-slip fault capable of generating a M7.2 earthquake with an estimated slip-rate of 1.0-5.0 mm/yr. It is associated with the 1933 M6.7 Earthquake which ruptured near Newport Beach. Segments along this fault zone are identified under the CGS AP Earthquake Fault Zone Act.

The Whittier fault zone is located about 8 miles east of the site. It is the northwest segment of faulting associated with the Elsinore fault zone which trends northwest over 100 miles in length across southern California and Baja. It is estimated to be a right lateral strike-slip fault capable of potential M6.9 earthquake. The Raymond Fault is located about 10.7 miles north of the site, trending east-west over 16 miles in length. It is estimated to be a left lateral fault segment of the Santa Monica-Hollywood-Raymond fault system and is considered to have a potential to generate a M6.7 earthquake.

The San Andreas Fault is the most significant seismically active fault in the region. It stretches over 800 miles across the state of California and represents the boundary of the North American Tectonic Plate and the Pacific Tectonic Plate. It is over 40 miles northeast of the site, and considered capable of M7.9 earthquakes with an estimated slip-rate of 12.8 mm/yr in the

southern San Bernardino section. Historical earthquakes of M7.0 and greater have been recorded on the San Andreas Fault, including the estimated M7.9 Fort Tejon Earthquake in 1857.

2.3.2 Seismic History

Local historic earthquake search was performed with the USGS online earthquake search catalog, on May 9, 2017. The search included earthquakes of magnitude (M) 4.0 or greater within a 100-km radius of the site. Since 1932, 310 earthquakes have been recorded, of which, three are M6.0 and greater including the M6.7 Northridge Earthquake in 1994. Twenty-six M5.0 to M6.0 earthquakes were recorded including the Whittier Narrows M5.9 earthquake in 1987 about 8.8 miles northeast of the site. The closest earthquake of M4.0 or greater to the site is a M4.0 in 1933, located about 2.3 miles southeast of the site. No earthquake related damage has been reported on the campus.

While not within the search radius, earthquakes of M7.0 and greater have been recorded in southern California, including the 1952 White Wolf M7.5 Earthquake and 1992 Hector Mine M7.3 Earthquake. Figure 5 illustrates the location of regional mapped faults and earthquake epicenters recorded by USGS.

3.0 SITE CONDITIONS

3.1 Surface Conditions

The campus is bordered to the north by Clara Street, to the south by Elizabeth Street, and to the east and west by residential development, as shown in Figure 1. The campus is approximately 16 acres and is currently comprised of classroom and administration buildings, parking lots paved in asphalt concrete, physical education buildings, sport fields/courts, a playground area, and a lunch shelter area, as laid out in Figure 2. The campus topography is relatively level, as shown in Figures 3.1 and 3.2.

3.2 Subsurface Conditions

3.2.1 Geotechnical Field Investigation

GDC conducted a geotechnical field investigation to assess the subsurface conditions at the project site on April 14, 2017. The field investigation consisted of drilling four (4) hollow-stem auger borings (B-1, B-3, B-6, and B-8) to depths ranging from about 31.5 to 71.5 feet and advancing six (6) cone penetrations test (CPT) soundings (CPT-02, CPT-04, CPT-05, CPT-07, CPT-09, and CPT-10) to depths ranging from about 70.5 to 98.8 feet. Our exploration locations are shown in Figure 2.

The explorations were performed under the continuous technical supervision of our field engineer, who maintained detailed logs of the soils encountered, classified the materials, and

assisted in obtaining soil samples. Relatively undisturbed samples were taken in the borings at about 2.5-foot depth intervals above 15 feet and 5-foot depth intervals thereafter. Standard Penetration Tests (SPT) and representative bulk samples were also taken. Additional details of the field exploration program, including copies of the boring and CPT logs, are presented in Appendix A.

3.2.2 Laboratory Testing Program

Laboratory tests were performed on selected soil samples collected during our field investigation. The purpose of the laboratory tests was to classify soil samples and evaluate their physical properties and engineering characteristics. Laboratory testing included the following:

- Moisture Content and Dry Unit Weight;
- Atterberg Limits;
- Percent Passing No. 200 Sieve;
- Corrosion (pH, Sulfate, Chloride, Minimum Resistivity);
- Expansion Index;
- R-Value.

All testing was done in general accordance with applicable ASTM specifications. Details of the laboratory testing program and test results are presented in Appendix B.

3.2.3 Previous Field and Laboratory Data

GDC reviewed the following two geotechnical reports by Leighton Consulting Inc., (LCI) for new construction at the project site:

- "Geotechnical Investigation for the Proposed New Core Facilities Project at the Elizabeth Learning Center in the City of Cudahy, California" dated September 1, 2006, which provided geotechnical recommendations for construction of a new multi-purpose building.
- "Geotechnical Investigation for the Proposed New Core Facilities Project at the Elizabeth Learning Center in the City of Cudahy, California" dated May 1, 2007, which provided geotechnical recommendations for kitchen expansion and a new multi-purpose room.

The field investigation and laboratory testing program by LCI is summarized in the following sections.

3.2.3.1 Previous Field Investigation

LCI conducted a field investigation on August 11, 2006 that consisted of drilling two (2) hollow-stem auger borings and advancing one (1) CPT sounding to depths of about 50 feet bgs. LCI conducted another field investigation on February 15, 2007 that consisted of drilling two (2) hollow-stem auger borings and advancing two (2) CPT soundings to depths of about 50 feet bgs. Explorations locations are shown in Figure 2. Copies of boring and CPT logs are included in Appendix A.

3.2.3.2 Previous Laboratory Program

LCI performed the following laboratory tests on select soil samples from the previous field investigations described in Section 3.2.3.1:

- Moisture Content and Dry Unit Weight;
- Direct Shear;
- Grain Size Analysis;
- Corrosion (pH, Sulfate, Chloride, Minimum Resistivity);
- R-Value.

Test results are included in Appendix B.

3.3 Subsurface Soil Conditions

Generalized geologic cross-sections showing the subsurface conditions encountered in the field explorations are shown in Figures 3.1 and 3.2. Uncertified fill was encountered overlying native alluvium to a depth of about 1.5 feet at borings B-1 and B-3, a depth of about 3 feet at boring B-6, and a depth of about 2.5 feet at boring B-8. The fill generally consisted of sandy lean clay (CL). Deeper fills may be encountered between borings.

The alluvium generally consisted of interbedded poorly-graded sand (SP) to silty sand (SP-SM, SM), silt (ML) and lean clay (CL). The profile in the upper 15 feet consisted of mostly loose to medium dense poorly-graded sand (SP) and silty sand (SP-SM, SM). The profile below 15 feet consisted mostly of interbedded medium dense to very dense poorly-graded sand (SP) and silty sand (SP-SM, SM) and stiff to very stiff lean clay (CL) and silt (ML).

3.4 Groundwater

Groundwater was not encountered in the four borings drilled in the recent field investigation; however, perched water at a depth of about 43 feet was encountered in borings B-1 and B-3. Additionally, pore pressure dissipation tests (PPDTs) to estimate hydrostatic pore water pressure were performed at CPT-02 and CPT-09. Estimated water levels from the PPDTs ranged from 48

feet at CPT-02 to 50 feet at CPT-09.

The Seismic Hazard Report for the South Gate 7.5' Quadrangles, CGS SHZ Report 27, includes a map of the historical highest shallow groundwater levels at the site. The groundwater contour map indicates the depth to "the historically highest shallow ground water in perched, semi-perched, and other water table settings" in the vicinity of the project site is about 8 to 10 feet below the ground surface.

The historic high groundwater level of about 8 feet was used for design.

4.0 GEOLOGICAL HAZARD EVALUATION AND SEISMIC DESIGN

The geologic hazards evaluation for this project addresses requirements of Title 24 of the California Code of Regulations and California Geological Survey Checklist for Review of Geologic/Seismic Reports for California Public Schools, Hospitals, and Essential Services Building (CGS Note 48). A ground motion hazard analysis for the site was also performed in accordance with the 2016 California Building Code/ASCE 7-10, presented below in Section 5.7 Seismic Ground Motion Values.

4.1 Surface Fault Ground Rupture

Ground surface rupture potential at the site was evaluated with review of current CGS Fault Activity Map of California (2010), USGS online Fault and Fold database, and Alquist-Priolo (AP) Special Study Fault Zone Maps in the area. An active fault is defined as a fault with evidence for movement within the Holocene (last 11,000 years). The CGS considers active faults to have a high potential for future earthquakes capable of ground surface rupture. No known active faults are mapped crossing the site or projecting towards the site. Therefore, the possibility of ground surface fault rupture at the site is considered low.

4.2 Liquefaction and Seismic Settlement

Liquefaction involves sudden loss in strength of a saturated, cohesionless soil caused by the build-up of pore water pressure during cyclic loading, such as that produced by an earthquake. This increase in pore water pressure can temporarily transform the soil into a fluid mass, resulting in differential settlements and ground deformations. Typically, liquefaction occurs in areas where there are loose soils and the depth to groundwater is less than 50 feet from the surface. Seismic shaking can also cause soil compaction and ground settlement without liquefaction occurring, including settlement of dry sands above the water table.

The site is located within the State Earthquake Induced Liquefaction Seismic Hazard Zone for the South Gate Quadrangle, (shown in Figure 6). The historical high groundwater is about 8 and 10 feet below the ground surface.

The upwards of 60 feet of loose to medium-dense sand and silty sand overlaying dense sand contains a number of loose layers of varying thicknesses that are potentially susceptible to liquefaction. Therefore, the potential for liquefaction, lateral spreading, and seismic compaction to occur at the site is considerable.

The liquefaction potential was analyzed for the peak ground acceleration (PGA_M) of 0.74 g, using the simplified procedures recommended by NCEER (Youd and Idriss, 1997, 2001). To compute a mean magnitude to be used in analyses, we have deaggregated the seismic hazard curve at peak ground acceleration (T=0.01) using computer program EZ-FRISK (v7.65). A calculated mean magnitude of 6.66 was used. The site is classified as Site Class D, corresponding to a "stiff soil" profile, based on boring data and shear wave velocity interpretations using CPT data.

We have estimated the limited liquefaction assessment using soil profile obtained from the CPT performed in the current investigation and the computer software CLiq. For estimating seismic ground settlements, we used the method proposed by Zhang et al. (2002). The analysis was performed with a design groundwater depth of 8 feet (historic high). The results of the settlement analyses are provided in Appendix D. The predicted total seismically-induced settlement based on the historic high groundwater level using the CPT data are listed in the table below.

Table 3: Liquefaction/Seismic Settlements using CPT Data

CPT No.	Estimated Seismically-Induced Settlement (in)	Differential Settlements = 0.5xEst. Seismically-Induced Settlement (in)
CPT-02	2.9	1.45
CPT-04	2.8	1.4
CPT-05	2.4	1.2
CPT-07	1.8	0.6
CPT-09	2.8	1.4
CPT-10	3.7	1.85

The seismically-induced settlement of the site, as shown in the above table, may exceed the typical tolerance for structures supported on conventional shallow foundations. Alternatively, the proposed structures may be supported on deep foundations or a mat foundation.

No surface manifestation of liquefaction in the form of sand boils and no loss of bearing capacity is anticipated.

4.3 Lateral Spreading

Lateral spreading is characterized primarily by lateral movement of surficial soil layers of gently to steeply sloping saturated soil deposits as a consequence of liquefaction of a subsurface granular deposit. The site is situated within a relatively level alluvial plain. The closest significant body of water is the Los Angeles River, located about 0.6 miles east of the site. Here the river is directed through a concrete lined channel. Groundwater level at the site is generally below the channel floor, and the channel slopes are unsaturated. The potential hazard for lateral spreading at the site is considered low.

4.4 Landslides and Slope Stability

The project site is situated within a broad alluvial plain. Surrounding lots are relatively level as shown in Figure 1. There are no significant slopes that can present a landslide hazard at or near the site. Elevation ranges about a foot across the site. Therefore, the potential hazard for landslides and slope instability is not an issue at the campus.

4.5 Flooding and Inundation

Flooding and inundation potential at the site were evaluated through review of maps provided by FEMA (2008) and Los Angeles County Safety Element (1990). FEMA maps indicates the site is located outside the 0.2% Annual Chance of Floodplain. The Los Angeles County Flood and Inundation Hazard Map indicates the site is within a potential flood and inundation zone. The flood and inundation zone is related to the Hansen Dam. The Hansen Dam has undergone seismic retrofitting since its original construction according to the Los Angeles Department of Water and Power. However, if the reservoir was breached, flood waters would travel downstream toward the site. Dams are routinely inspected and continually evaluated for safety in compliance with the Federal Guidelines for Dam Safety issued in 1979 and Engineering Regulation ER 1110-2-1156, Safety of Dams – Policy and Procedures. The Hansen Dam is under the jurisdiction of the U.S. Army Corps (Corps) and has a Dam Safety Action Class III (DSAC III) rating as of March 2009 based on a Screening Portfolio Risk Analysis (SPRA) completed in May 2008. A DSAC III rating is given to dams that have issues which are “conditionally unsafe” and where the dam is “significantly inadequate, or the combination of life, economic or environmental consequences with probability of failure is moderate to high”. However, the Hansen Dam is not under emergency status. It is presently under regular observation, maintenance, and local emergency management.

The City of Los Angeles Hazard Mitigation Plan (2011) indicates dam failure is a moderate risk hazard. The site is not located within an inundation zone defined within the Plan Figure 7 M-1 Dam Inundation Hazard Areas. While dam failure has the potential to be a significant hazard to the site, through continued observation and regular maintenance of the Hansen Dam, the potential for inundation hazard to occur at the site is considered low.

4.6 Tsunami and Seiche

Low-lying areas along California's coast are subject to potentially dangerous tsunamis. The site is located about 14 miles east from the Pacific Ocean/Los Angeles coast. The Elevation of the site is about 130 feet. Therefore, the potential for a Tsunami is not considered an issue for the site. Since there are no large bodies of water near the site, the potential for a seiche event is also not considered an issue.

4.7 Soil Expansion and Collapse

Boring and CPT data indicates the soil is not susceptible to potential collapse. Soil expansion potential was tested at boring B-1 at 31-31.5 feet depth and B-6 at 0-3 feet and 12.5-14 feet depth and found to be non-expansive. The results of the lab tests are presented in Appendix B.

4.8 Soil Corrosivity

A bulk soil sample was collected in boring B-6 at 0-3 feet depth and tested for corrosivity potential. The soil chloride content indicates the soil corrosivity to metals is negligible. However, the soil resistivity and sulfate content indicates the soil is corrosive to ferrous metals and cement. The results of the lab tests are presented in Appendix B.

4.9 Other Geologic Hazards and Considerations

Naturally occurring hazardous elements within the subsurface materials, such as asbestos, radon, and oil and methane gas were evaluated for the potential presence on or near the site. California Geological Survey Map Sheet 59, of known sites with naturally occurring asbestos does not indicate there is a potential for naturally occurring asbestos to be at the site and the hazard is considered to be low. California Geological Survey Special Radon Potential Zone Map indicates the site is within a low radon potential area. Review of the Division of Oil, Gas and Geothermal Resources Regional Wildcat Map indicates the site is outside field boundaries, productive boundaries, and drilling sites. One active well is located about 0.25 miles south of the site. Three other wells are located within 0.5 miles of the site and are either plugged or buried. No wells are located on the campus. Therefore, the occurrence of naturally occurring oil and or methane gases onsite is considered low.

5.0 DISCUSSION AND RECOMMENDATIONS

5.1 General

The total predicted dynamic settlement that could be traced to the ground surface is generally about 2 to 3 inches, but could be up to approximately 4 inches locally and may not be tolerable for structures supported on conventional shallow foundations. Therefore, it may not be suitable for structures supported on conventional shallow foundations without ground improvement. For

areas where computed total static-plus-seismic settlement is less than 2 inches, such as the southwest portion of the campus, conventional shallow spread footing or mat foundation could be applicable, depending on the loading from the proposed structure. The option to use conventional shallow spread footing and/or a mat foundation should be confirmed by a more comprehensive geotechnical field investigation during design phase.

Alternatively, the proposed structures may be supported on piles. Both cast-in drilled hole (CIDH) piles and/or Auger Cast Displacement (ACD) piles may be used for support of the proposed structures.

Driven piles are relatively long, slender columns used to offer support and/or to resist forces. They are generally made of preformed material having a predetermined shape and size that can be physically inspected prior to and during installation. Driven piles are typically installed by impact hammering, vibrating or pushing the pile into the earth. If adjacent structures are sensitive to vibration, driven piles will not be a suitable option for the support the proposed structures.

Downdrag loads on pile foundations can be an important design consideration when earthquake-induced liquefaction is expected to cause ground settlements. For design of piles, the additional downdrag load should be considered and added to the service level (or allowable level) structural demand.

In conclusion, the following are possible foundation options for the conceptual design:

- Conventional spread footings/mat foundations for the western portion of the Campus;
- Conventional spread footings and/or mat foundation with ground improvement for the remaining portions of the campus;
- Deep foundation (CIDH or ACD piles).

More discussion about foundation recommendations is provided in Section 5.8.

5.2 Demolition

Prior to the start of grading, demolition will be required to remove existing improvements, which may include existing pavement, fences, etc. Any void created from the demolition should be properly backfilled to the limits determined by the project geotechnical engineer. Any soils loosened or disturbed during the demolition should also be removed.

5.3 Removals

Prior to the start of grading, the new building sites should be stripped of any vegetation and topsoil. The topsoil may be stockpiled and reused in landscaped areas. It should be anticipated that existing fill may be present anywhere on the site, and could be locally deep. Existing undocumented fill should be considered as unsuitable for use unless otherwise noted by the project Geotechnical Engineer, and should not be used to support foundations, pavement, and hardscape without removal and recompaction.

If the proposed structures are being supported on pile foundations, no removal will be required for foundation support. However, future distress of slab-on-grade could be expected resulting from either dynamic settlement or settlement within existing undocumented fill soils. Therefore, we recommend that the floor slab be structurally supported.

In pavement areas, the removal and recompaction of uncertified fill should extend to a minimum depth of 2 feet below pavement level. All removals should extend a minimum of 5 feet outside building and pavement areas, or a distance equal to the depth of excavation, whichever is greater. The actual limits for removals should be determined by the project geotechnical engineer during grading, based on the actual conditions encountered.

The civil engineer should identify the presence and location of all existing utilities in and near the work area. Precautions should be taken to remove, relocate or protect existing utilities, as appropriate.

5.4 Earthwork

All grading should conform to the requirements of the 2016 California Building Code and the general grading recommendations outlined below.

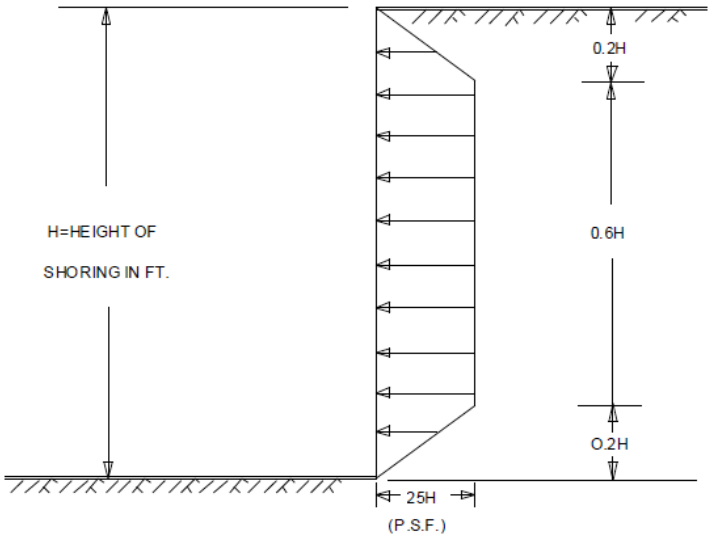
- The contractor is responsible for notifying the project geotechnical engineer of a pre-grading meeting prior to the start of construction and grading operations and anytime that the operations are resumed after an interruption.
- The geotechnical engineer should determine the limits for the removal and recompaction, based on the actual conditions encountered.
- Temporary excavations should be sloped at 1H:1V or flatter, or shoring should be used.
- The bottom of the excavation for removals should be observed and approved by the project geotechnical engineer. Any loose or yielding soils should be overexcavated and recompacted to the limits determined by the project geotechnical engineer.
- All structural fill should consist of generally sandy soils, and should be free of expansive clay, rock greater than 3 inches in maximum size, debris and other deleterious materials. All structural fill should be compacted to at least 95 percent of

the maximum dry density determined by ASTM D 1557. Fill placed in non-structural and landscape areas should be compacted to at least 90 percent.

- In general, the near surface soils encountered in our explorations were found to consist of silty sand, sand, sandy silt and silt, and should be acceptable for use in new compacted fill.
- If imported soils are used as structural fill, the soils shall be free of vegetation organic materials, expansive clay, debris, or rocks greater than 3 inches in any dimension, and shall be approved by the project Geotechnical Engineer. Imported soils shall have an expansion index of less than 30 and plasticity index of less than 15. All fill soils shall be approved by the project geotechnical engineer before use.
- All earthwork and grading should be performed under the observation of the project geotechnical engineer. Compaction testing of the fill soils shall be performed at the discretion of the project geotechnical engineer. At a minimum, testing should be performed for approximately every 2 feet in fill thickness or 500 cubic yards of fill placed, whichever is more restrictive. If specified compaction is not achieved, additional compactive effort, moisture conditioning, and/or removal and recompaction of the fill soils will be required.
- All materials used for asphalt, concrete and base shall conform to the current "Green Book," and shall be compacted to at least 95 percent relative compaction.
- If, in the opinion of the geotechnical engineer, contractor, or owner, an unsafe condition is created or encountered during grading, all work in the area shall be stopped until measures can be taken to mitigate the unsafe condition. An unsafe condition shall be considered any condition that creates a danger to workers, on-site structures, on-site construction, or any off-site properties or persons.

5.5 Temporary Excavation and Shoring

If shoring is required, either cantilever or braced shoring can be utilized. Cantilever shoring should be designed for an active earth pressure equivalent to a fluid weighing 30 pcf. Braced temporary shoring should be designed for a lateral earth pressure of 25H, applied as a trapezoidal pressure distribution as shown in the figure below. These lateral earth pressures assume level backfill and drained conditions and do not include surcharging from adjacent loads.



Surcharge loads, such as vehicular traffic, heavy construction equipment, and stockpiled materials, should be kept away from the top of temporary excavations a horizontal distance at least equal to the depth of excavation. Surface drainage should be controlled and prevented from running down the slope face. Ponding water should not be allowed within the excavation. Construction equipment and foot traffic should be kept off excavation slopes to minimize disturbance/sloughing.

All excavation slopes and shoring systems should meet the minimum requirements of the Occupational Safety and Health (OSHA) Standards. Maintaining safe and stable slopes on excavations is the responsibility of the contractor and will depend on the nature of the soils and groundwater conditions encountered and his method of excavation. Excavations during construction should be carried out in such a manner that failure or ground movement will not occur. The contractor should perform any additional studies deemed necessary to supplement the information contained in this report for the purpose of planning and executing his excavation plan.

5.6 Retaining Walls

5.6.1 Earth Pressure

Cantilever walls that are free to move laterally at least ½ inch for each 10-feet in height, may be designed for an equivalent fluid pressure of 30 pcf for level ground. Walls 6 feet or greater in height should be designed for seismic loading. Seismic earth pressure may be computed from Mononobe-Okabe method using horizontal seismic coefficient. We have used a horizontal seismic coefficient equal half of design acceleration. PGA_M of 0.74g was used for the design acceleration. Hence, a horizontal seismic coefficient of 0.34g has been used in the computation. Therefore, a seismic increment of 10 pcf may be used for design.

5.6.2 Wall Backfill

We recommend that retaining walls be backfilled with non-expansive granular soils with a (Plasticity Index) PI less than 15 and percent passing No. 200 sieve of less than 15 percent. A 2-ft thick cap consisting of less pervious onsite materials should be used to minimize infiltration of surface water. The finished surface should be graded to drain away from the proposed structures. Heavy compaction equipment operating adjacent to retaining walls can cause excessively high lateral soil pressures to be exerted on the wall. Therefore, soils within 5 feet of the wall should either be compacted with hand operated equipment or designed to withstand compaction pressure from heavy equipment.

5.6.3 Drainage

Retaining walls should be constructed with a properly designed drainage system to prevent buildup of hydrostatic pressures behind the wall. This may consist of geocomposite drain board or 12 inches of clean crushed rock encapsulated in filter fabric, discharging to weep holes or drain pipes. Basement walls or walls with architectural facades or coverings should be properly waterproofed to minimize moisture transmission through the walls.

5.7 Seismic Ground Motion Values

5.7.1 Site-Specific Ground Motion Seismic Parameters

A site-specific acceleration response spectrum was constructed in accordance with ASCE 7-10 Chapter 21, as described in Appendix C. The summary of the Design Acceleration Parameters is the following:

$$S_{DS}= 1.14 \text{ and, } S_{D1}= 1.08$$

The site-specific design spectrum is summarized in the Table 1 and provided in Appendix C.

Table 1: Site-Specific Design Spectrum

Period (s)	Design Earthquake Sa (g)
0.01	0.54
0.05	0.72
0.06	0.78
0.08	0.90
0.1	1.02
0.125	1.06
0.15	1.06
0.2	1.14
0.25	1.18
0.3	1.20
0.4	1.19
0.5	1.23
0.75	1.11
1	0.98
1.5	0.71
2	0.54
2.5	0.42
3	0.35
3.5	0.29
4	0.26

5.7.2 Ground Motion Seismic Parameters per CBC 2016/ASCE 7-10 (Code Values)

Design ground motion parameters were also developed in accordance with CBC 2016 / ASCE7-10 for the proposed project. The site coordinates used in our seismic hazard analysis are: -118.18305 (Longitude) and 33.9635 (Latitude). The site is classified as Site Class D, corresponding to a "stiff soil" profile based on shear wave velocity interpretations using CPT data.

The seismic design parameters were calculated using the USGS Ground Motion Parameter Calculator (Version 5.1.0), are summarized in Table 2.

Table 2: Seismic Ground Motion Values

Latitude: 33.9635 Longitude: -118.18305	
Site Class	D
Seismic Design Category	D
Mapped MCE Spectral Response Acceleration at Short Period (S_s)	1.98g
Mapped MCE Spectral Response Acceleration at Period of 1 Second (S_1)	0.697g
Site Coefficient, F_a	1.0
Site Coefficient, F_v	1.5
Adjusted MCE Spectral Response Acceleration at Short Period (S_{MS})	1.98g
Adjusted MCE Spectral Response Acceleration at Period of 1 Second (S_{M1})	1.046g
Design Earthquake Spectral Response Acceleration at Short Period (S_{DS})	1.32g
Design Earthquake Spectral Response Acceleration at Period of 1 Second (S_{D1})	0.697g
Peak Ground Acceleration Adjusted for Site Class (PGA_M)	0.742g

5.8 Foundation Recommendations

5.8.1 General

As discussed in Section 5.1 of the report, the foundation options consist of the following items:

- Conventional spread footings/mat foundations for the western portion of the Campus;
- Conventional spread footings and/or mat foundation with ground improvement for the remaining portions of the campus;
- Deep foundation (CIDH or ACD piles).

More discussions are provided below.

5.8.2 Conventional Spread Footings on Compacted Fill Soils – Light Structures at West Portion of the Campus

Based on the liquefaction evaluation discussed in Section 4.2 of this report, total seismically-induced settlement near the western portion of the campus may be less than 2 inches. Therefore, a lightweight structure may be supported on conventional shallow spread footings in this area. However, this foundation option should be confirmed in a more comprehensive geotechnical investigation during design phase.

5.8.2.1 Bearing Value

Spread footings established on at least 3 feet thick of properly compacted fill soils and at least 2 feet below the lowest adjacent grade or floor level may be designed to impose a net dead-plus-live load pressure of 2,000 pounds per square foot. The excavations should be deepened as necessary to extend into satisfactory soils. A one-third increase can be used for wind or seismic loads. The recommended bearing value is a net value, and the weight of concrete in the footings can be taken as 50 pounds per cubic foot; the weight of soil backfill can be neglected when determining the downward loads.

5.8.2.2 Settlement

We estimate the total static-plus-seismic settlement will be on the order of 2 inches. The structure should be designed to accommodate differential settlement of 1 inch.

5.8.2.3 Lateral Resistance

Lateral loads can be resisted by soil friction and by the passive resistance of the soils. A coefficient of friction of 0.4 can be used between the footings and the floor slab and the supporting soils. The passive resistance of natural soils or properly compacted fill soils can be assumed to be equal to the pressure developed by a fluid with a density of 250 pounds per cubic foot. A one-third increase in the passive value can be used for wind or seismic loads. The frictional resistance and the passive resistance of the soils can be combined without reduction in determining the total lateral resistance.

5.8.3 Mat Foundations on Compacted Fill Soils – West Portion of the Campus

5.8.3.1 Bearing Value

A mat foundation established on at least 3 feet thick of properly compacted fill soils and at least 2 feet below the lowest adjacent grade may be designed to impose a net dead-plus-live load pressure of 1,500 pounds per square foot. The excavations should be deepened as necessary to extend into satisfactory soils. A one-third increase can be used for wind or seismic loads. The recommended bearing value is a net value, and the weight of concrete in the footings can be taken as 50 pounds per cubic foot; the weight of soil backfill can be neglected when determining the downward loads.

5.8.3.2 Settlement

We estimate the total static-plus-seismic settlement will be on the order of 4 inches. The structure should be designed to accommodate differential settlement of 1 inch across the mat foundation.

5.8.3.3 Lateral Resistance

Lateral loads can be resisted by soil friction and by the passive resistance of the soils. A coefficient of friction of 0.4 can be used between the mat foundation and the supporting soils. The passive resistance of natural soils or properly compacted fill soils can be assumed to be equal to the pressure developed by a fluid with a density of 250 pounds per cubic foot. A one-third increase in the passive value can be used for wind or seismic loads. The frictional resistance and the passive resistance of the soils can be combined without reduction in determining the total lateral resistance.

5.8.4 Ground Improvement – Campus Wide

For new structures not located within the western portion of the campus and supported on conventional spread footings or a mat foundation, we recommend that ground improvement be performed to mitigate the potential for liquefaction, liquefaction-induced settlement and seismically-induced settlement. If effective, soil improvement could limit seismically-induced settlement to less than 1 inch, with differential settlement of less than ½ inch. To achieve this improvement, we recommend that ground improvement be performed to a depth of 30 feet below the existing grade. Depending on the improvement type selected, the zone of improvement may also need to extend laterally beyond the edge of each structure. All utilities should be designed with flexible connections. All utilities should be designed with flexible connection capable of withstanding at least 6 inches of deformation at the point at which they encroach on a zone of improved soils.

5.8.4.1 Soil Mixing

Soil mixing involves introducing a cement-based slurry into the soil and mixing it, using single or multiple augers, to create a stable soil-cement mass. Soil-cement with unconfined compressive strengths ranging between 10 psi to 500 psi are possible depending on the soil type and binder content.

Soil mixing can also treat a wide variety of soil types and is safe to use adjacent to existing buildings without adverse effects, such as vibrations or soil heave. In addition, due to the fact that a large, relatively high-strength mass of soil is created, it would not be necessary to extend the area of improvement beyond the footprint of the building. However, because of the relative high-cost of this method, it could be combined with a densification method to provide a more economical overall design.

As with other soil improvement methods, the soil improvement contractor will design the mix proportions, depth, spacing, and size of the zone of treatment based on the target foundation design parameters and their design requirements.

5.8.4.2 Compaction Grouting

Compaction grouting is perhaps the most cost-effective method of mitigating liquefaction potential. The method involves the injection of a high-pressure, low-slump grout into the soil at depth. The resulting grout bulb displaces the densifies the surrounding soil.

The process of compaction grouting starts with the insertion of grout pipes to the design depth. The low-slump grout is then injected into the surrounding soil at a pre-determined pressure. The grout pipes are then withdrawn incrementally. Unlike replacement-type methods of ground improvement, the grout bulbs displace the surrounding soil and the zone of improvement is larger than the grout bulb itself. Therefore, a much larger mass of soil can be improved via this method than with other grouting methods, such as soil mixing and jet grouting.

One major limitation of this method is that the in-situ vertical stress must be sufficient to limit ground heave and induce lateral displacement and densification of the surrounding soil. This limitation defectively prevents the use of this method within 10 to 15 feet of the ground surface.

Compaction grouting can be effective in a variety of soil conditions and generally requires less installation time than other methods of soils improvement. If compaction grouting is selected, the soil improvement contractor will design the width and spacing of the compaction grout columns based on the target foundation design parameters and their design requirements.

For compaction grouting, the improved soil zone would need to extend beyond the edge of the structure a distance of at least ½ of the depth of improved soil.

5.8.4.3 Jet Grouting

Jet grouting can replace potentially liquefiable soils with cylinders of hardened soils, or soilcrete, by injecting a cement slurry at depth and mixing it with the surrounding soils. Soilcrete columns of more than 5 feet in diameter can be achieved in loose soils. Use of this method would be ideal in confined spaces or next to sensitive structures due to the lack of harmful vibrations, the limited space required, and the ability to maneuver safely around buried utilities. For these reasons, this method has been used in the past to underpin and rehabilitate existing structures. In addition, jet grouting is much faster than other methods of soil improvement. However, the cost is generally lower for jet grouting than for other forms of soil improvement.

Jet grouting uses high-pressure water to cut the soils, mix in the cement slurry, and lift the soil cuttings to the surface. Treatment of most soil types is achievable by controlling the rate of rotation and withdrawal of the nozzle. The soilcrete column can be interconnected with adjacent columns to create a high-strength soilcrete mass. Because of the relatively high-cost of this method, it could be combined with a densification method to provide a more economical overall design.

As with other soil improvement methods, the soil improvement contractor will design the mix proportions, depth, spacing, and size of the zone of treatment based on the target foundation design parameters and their design requirements.

For jet grouting, the improved soil zone would not need to extend outside of the limits of the structure.

5.8.5 Deep Foundation - Auger Cast Displacement (ACD) Piles

5.8.5.1 Axial Capacity

The ultimate downward capacities of 14-, 16-and 18-inch-diameter ACD pile as a function of penetration below bottom of pile cap are presented on Figures 7.1 through 7.3. The ultimate upward capacities are presented on Figure 8.1 through 8.3. The pile capacities shown on Figures 7.1 to 8.3 are for dead-plus-live load capacities; a one-third increase may be used for wind or seismic loads. The capacities presented are based on the strength of the soils; the compressive and tensile strengths of the pile sections should be checked to verify the structural capacity of the piles.

To compute allowable downward capacities, a factor of safety for soil bearing values should be 2 or shall not be less than the overstrength factor (Ω) of the structures supported, which is greater. For allowable upward capacities, a minimum factor of safety of 3 should be used unless the uplift is due to wind or seismic loading, which minimum factor of safety of 2 can be used.

Pile resistance impacted by liquefaction potential is not considered in the skin friction and end bearing. The location of the neutral plane, defined as a plane where there is no relative movement between the soils and the piles, was calculated based on the results of our liquefaction analyses. The portions of the piles above the neutral plane could experience downdrag load when earthquake-induced liquefaction is expected to cause ground settlements which occurs excess pore pressure due to liquefaction dissipated. This additional downdrag load should be added to the allowable structural demand.

The estimated downdrag load for each of 14-, 16- and 18-inch-diameter ACD pile are shown in the table below:

Pile Dimension	Downdrag Load (kips)
14-inch ACD Pile	115
16-inch ACD Pile	130
18-inch ACD Pile	145

5.8.5.2 Lateral Capacity

The lateral capacity of the recommended piles was evaluated using the computer program LPILE v2016 (Ensoft, 2016). The lateral capacities at 0.25 inches and 0.5 inches of pile head deflection, for both fixed head and free head conditions, and for single and grouped piles, are provided in the table below. To utilize a fixed head condition, the pile and pile cap connections must be able to translate laterally without rotation, and be designed for the fixed head moment.

TABLE. LATERAL PILE RESISTANCE - ACD PILES

Pile Type	Pile Head Condition	Pile Head Deflection (inch)	Single Pile			Grouped Pile		
			Max. Shear (kips)	Max. Moment (kip-ft)	Depth to Max. Moment (feet)	Max. Shear (kips)	Max. Moment (kip-ft)	Depth to Max. Moment (feet)
14-inch ACD	Free	0.25	8	26	5	6	21	6
		0.5	13	46	5	9	36	6
	Fixed	0.25	21	72	0	14	55	0
		0.5	33	123	0	22	94	0
16-inch ACD	Free	0.25	11	37	5	8	29	6
		0.5	17	64	6	12	49	7
	Fixed	0.25	26	99	0	18	76	0
		0.5	40	168	0	27	127	0
18-inch ACD	Free	0.25	14	51	6	10	38	7
		0.5	22	85	6	14	64	7
	Fixed	0.25	32	132	0	21	100	0
		0.5	49	219	0	32	165	0

For the pile group analyses, the lateral pile capacity was reduced based on an assumed spacing between piles. Assuming a 3 by 3 pile group, and a pile center-to-center spacing of 3D (where D is the pile diameter), a p-multiplier of 0.55 was used. If piles are spaced at a center to center spacing of 7D or greater, no reduction in lateral pile capacity is required (i.e., single pile system). It is recommended the project structural engineer verify the maximum moment capacity of the pile.

5.8.5.3 Pile Settlement

We estimate the settlement of pile foundations to be less than ½ inch. Details of pile foundations being contemplated should be provided to us so that additional settlement estimates can be made.

5.8.5.4 Pile Load Testing Program

We recommend that a static axial pile load testing program be completed prior to installation of production piles. The pile load testing criteria for ACD piles are summarized and discussed below:

- Number of static load tests required:

Total Production Piles	No. of Static Load Tests Required
<100	1
101-300	2
301-1000	3
1001-2000	4
2001-4000	5

- Minimum one (1) pile load test shall be performed per 30,000 square feet of building footprint;
- Gamma-Gamma Test and Low Strain Integrity Test shall be conducted on all test piles and reaction piles;
- Low Strain Integrity Test shall be performed on 10% of the production piles.

The testing program would be carried out as a separate mobilization by the pile contractor. GDC envisions that the testing program will require approximately 8 hours to perform each pile load test in the field plus an additional week of geotechnical analyses by GDC to provide the pile-length and allowable load recommendations.

In addition to testing each pile to the ASTM 1143-81 standards, a creep test is recommended at the allowable load. The creep test holds the allowable load for at least two hours to demonstrate displacement of the test pile slows to less than 0.005 inch per hour, which is half the rate recommended in ASTM 1143-81.

GDC should monitor the test and production-pile installations to verify that piles are installed in accordance with the geotechnical recommendations and have achieved a satisfactory penetration depth.

5.8.5.5 ACD Pile Installation Monitoring

The installation of ACD piles should be monitored by automated Pile Installation Recorder (PIR) equipment supplied by the pile installation contractor. During drilling, the PIR should record drill torque, depth and elapsed time (and drill rate). During placement of grout into the dilled shaft, the PIR should record the grout pressure, incremental grout volume pumped, volume ratio for each increment, and the elapsed time (and withdrawal rate).

Grout flow volume shall be measured and recorded by means of a magnetic flow meter for increments not exceeding 1-foot of pile length, as a means of verifying that grout volumes pumped are sufficient to fully replace the displaced soil. A grouting factor of safety of 1.05 shall be used to increase the volume of grout pumped into each 1-foot increment by 5% during withdrawal. In the event of interrupted or stopped grouting, or if the monitoring equipment detects a low grout volume for any depth increment, the displacement auger shall be re-advanced five (5) feet past the zone before continuing the grouting operation. A replacement pile shall be installed if excessive bleeding (accumulation of water or laitance at the top of the pile) is observed.

Grout mix and installation characteristics of the grout should also be monitored and grout strength should be verified by performing compression tests on samples taken.

5.8.6 Deep Foundation – Cast-in-Drilled-Hole (CIDH) Piles

5.8.6.1 Axial Capacity

The ultimate downward capacities of 24-, 30-and 36-inch-diameter CIDH pile as a function of penetration below bottom of pile cap are presented on Figures 9.1 through 9.3. The ultimate upward capacities are presented on Figure 10.1 through 10.3. The pile capacities shown on Figures 9.1 to 10.3 are for dead-plus-live load capacities; a one-third increase may be used for wind or seismic loads. The capacities presented are based on the strength of the soils; the compressive and tensile strengths of the pile sections should be checked to verify the structural capacity of the piles.

To compute allowable downward capacities, a factor of safety for soil bearing values should be 2 or shall not be less than the overstrength factor (Ω) of the structures supported, which is greater. For allowable upward capacities, a minimum factor of safety of 3 should be used unless the uplift is due to wind or seismic loading, which minimum factor of safety of 2 can be used.

Pile resistance impacted by liquefaction potential is not considered in the skin friction and end bearing. The location of the neutral plane, defined as a plane where there is no relative movement between the soils and the piles, was calculated based on the results of our liquefaction analyses. The portions of the piles above the neutral plane could experience downdrag load when earthquake-induced liquefaction is expected to cause ground settlements

which occurs excess pore pressure due to liquefaction dissipated. This additional downdrag load should be added to the allowable structural demand.

The estimated downdrag load for each of 24-, 30- and 36-inch-diameter CIDH pile are shown in the table below:

Pile Dimension	Downdrag Load (kips)
24-inch CIDH Pile	190
30-inch CIDH Pile	240
36-inch CIDH Pile	288

5.8.6.2 Lateral Capacity

The lateral capacity of the recommended piles was evaluated using the computer program LPILE v2016 (Ensoft, 2016). The lateral capacities at 0.25 inches and 0.5 inches of pile head deflection, for both fixed head and free head conditions, and for single and grouped piles, are provided in the table below. To utilize a fixed head condition, the pile and pile cap connections must be able to translate laterally without rotation, and be designed for the fixed head moment.

TABLE. LATERAL PILE RESISTANCE - CIDH PILES

Pile Type	Pile Head Condition	Pile Head Deflection (inch)	Single Pile			Grouped Pile		
			Max. Shear (kips)	Max. Moment (kip-ft)	Depth to Max. Moment (feet)	Max. Shear (kips)	Max. Moment (kip-ft)	Depth to Max. Moment (feet)
14-inch ACD	Free	0.25	26	107	7	17	78	7
		0.5	37	170	7	25	123	8
	Fixed	0.25	54	269	0	35	201	0
		0.5	78	433	0	51	325	0
16-inch ACD	Free	0.25	38	177	7	25	131	9
		0.5	56	281	8	36	207	11
	Fixed	0.25	79	461	0	51	345	0
		0.5	113	737	0	74	554	0
18-inch ACD	Free	0.25	51	261	9	34	196	11
		0.5	76	425	10	50	318	13
	Fixed	0.25	106	710	0	69	532	0
		0.5	151	1133	0	99	850	0

For the pile group analyses, the lateral pile capacity was reduced based on an assumed spacing between piles. Assuming a 3 by 3 pile group, and a pile center-to-center spacing of 3D (where D is the pile diameter), a p-multiplier of 0.55 was used. If piles are spaced at a center to center spacing of 7D or greater, no reduction in lateral pile capacity is required (i.e., single pile system). It is recommended the project structural engineer verify the maximum moment capacity of the pile.

5.8.6.3 Pile Settlement

We estimate the settlement of pile foundations to be less than ½ inch. Details of pile foundations being contemplated should be provided to us so that additional settlement estimates can be made.

5.8.6.4 Pile Installation

Caving may be anticipated during drilling below groundwater. Special technique, such as casing or drilling mud, may be used to prevent caving.

Piles spaced less than five diameters on center should be drilled and filled alternately, with the concrete permitted to set at least 8 hours before drilling an adjacent hole. The pile installation should be completed the same day that the drilling is performed. A collar should be placed around the mouth of the shaft after drilling to prevent soils from entering the excavation, and the pile shafts should be covered until concrete is placed.

Concrete should be pumped from the bottom up through a rigid pipe extending to the bottom of the drilled excavation, with the pipe being slowly withdrawn as the concrete level rises. The discharge end of the pipe should be at least 5 feet below the surface of the concrete at all times during placement. The concrete pump pressure should be at least 200 pounds per square inch. The discharge pipe should be kept full of concrete during the entire placing operation and should not be removed from the concrete until all of the concrete is placed and fresh concrete appears at the top of the pile. The volume of concrete pumped into the hole should be recorded and compared to design volume.

Only competent drilling contractors with experience in the installation of drilled cast-in-place piles should be considered for the pile construction. The drilling of the pile excavations and the placing of the concrete should be observed continuously by personnel of our firm to verify that the desired diameter and depth of piles are achieved.

5.9 Site Drainage

The site should be graded to maintain positive drainage, so all runoff is properly collected and conveyed to proper disposal in approved storm drains or drainage devices. The area around foundations should be sloped at 2 percent to drain runoff away and prevent ponding of water.

5.10 Expansive Soil

Based on recent and previous laboratory testing, the near surface sandy and silty soils have a tested Expansion Index (EI) of 0, which indicates a very low expansion potential.

5.11 Soil Corrosivity

One representative sample of the near surface soils encountered was tested to evaluate corrosion characteristics. The results indicate the test sample had a pH of 9.08; a water-soluble sulfate content of 1.15%, and a soluble chloride content of less than 0.01%. The sulfate results indicate that sulfate exposure is classified as severe.

The tested sample was also found to have a minimum measured electrical resistivity of 2,046 Ohm-cm. The following correlation can generally be used between electrical resistivity and corrosion potential:

Elect. Resistivity (Ohm-cm)	**Corrosion Potential**
less than 1,000	Severe
1,000-2,000	Corrosive
2,000-10,000	Moderate
Greater than 10,000	Mild

On the basis of the laboratory testing, the test samples are classified as moderately corrosive to buried metals. Our testing was for screening purposes only. The need for further evaluation and testing and the development of alternatives for corrosion protection should be provided by a corrosion consultant.

5.12 Utility Installations

If new buried service lines will be installed, the bedding should be a minimum of 4 inches thick and should consist of clean sand, No. 4 concrete aggregate or gravel, and should have a sand equivalent of not less than 30. Concrete encasement is anticipated for electrical conduits. The pipe zone material, which extends to a level 12 inches above the pipe should consist of sand and should have a sand equivalent of no less than 30, and a maximum rock size of 1 inch. All imported materials should be approved by the project geotechnical engineer before being brought onsite.

Trench zone backfill extends from a level 12 inches above the pipe to finished subgrade. Trench zone material should have a maximum size of 2 inches and should contain no organics or other

deleterious materials. Most of the near surface soils at the site can be used for trench zone backfill. All fill soils should be approved by the project geotechnical engineer. Soils proposed to be imported should be approved before being brought on site.

All bedding and backfill materials should be mechanically compacted to at least 90 percent relative compaction. Jetting or flooding of backfill should not be permitted.

To prevent water from draining under building slabs through bedding on trench backfill, it is recommended that a concrete "dam" be installed outside the point of entry. The dam should be about 12 inches in thickness and extend at least 1 foot outside the width of the trench.

5.13 Environmental Issues

Evaluation of environmental issues for this project and their impact on site development are outside our scope of our work and are the responsibility of the project environmental consultant.

5.14 Pavement Design

Near surface soils consist of primarily sandy soils. Based on a calculated R-value of 20, the following pavement sections are recommended for Traffic Index (TI) values of 4, 5, 6, and 7:

Table 6: Traffic Index and Section Thickness

Traffic Index (TI)	Section Thickness (inch) AC over AB
4	3" AC/5" AB
5	3.5" AC/6" AB
6	4" AC/8.5" AB
7	4.5 AC/ 11" AB

Traffic Index values of 4 to 5 are recommended for car parking and non-truck areas. Traffic index of 6 or higher may be used for truck areas or for the streets. A concrete pavement consisting of 6 inches of concrete over 6 inches of aggregate base is recommended to be used for trash enclosures and other areas that will be subjected to high wheel loads or abrasive wheel forces, i.e., where there is a tight turning radius. The pavement section for additional TI's can be provided, if requested. The upper 12 inches of subgrade supporting pavements should be compacted to at least 95 percent relative compaction (ASTM D1557).

6.0 POST INVESTIGATION SERVICES

We recommend that final project plans and specifications should be reviewed by GDC to confirm that the full intent of the recommendations presented in this report have been properly applied

to the design. During construction, all earthwork should be observed and tested by GDC, including site preparation, excavations, placement of compacted fill and backfill, and installation of foundations, slabs and hardscape.

7.0 LIMITATIONS

The conclusions and recommendations contained in this report are professional opinions that were compiled by searching published data, and are intended for the use of the LAUSD for the proposed development at this site. The recommendations should not be extrapolated to areas not covered by this report, or used for other facilities without the review and approval of GDC. If this report, or portions of this report, is provided to contractors, or included in specifications, it should be understood that they are provided for information only. A design level geotechnical report is necessary prior to development of final plans.

Our investigation and evaluations were performed in accordance with generally accepted local and state standards using that degree of care and skill ordinarily exercised under similar circumstances by reputable geotechnical consultants practicing in this or similar localities. No other warranty, expressed or implied, is made as to the professional advice included in this report.

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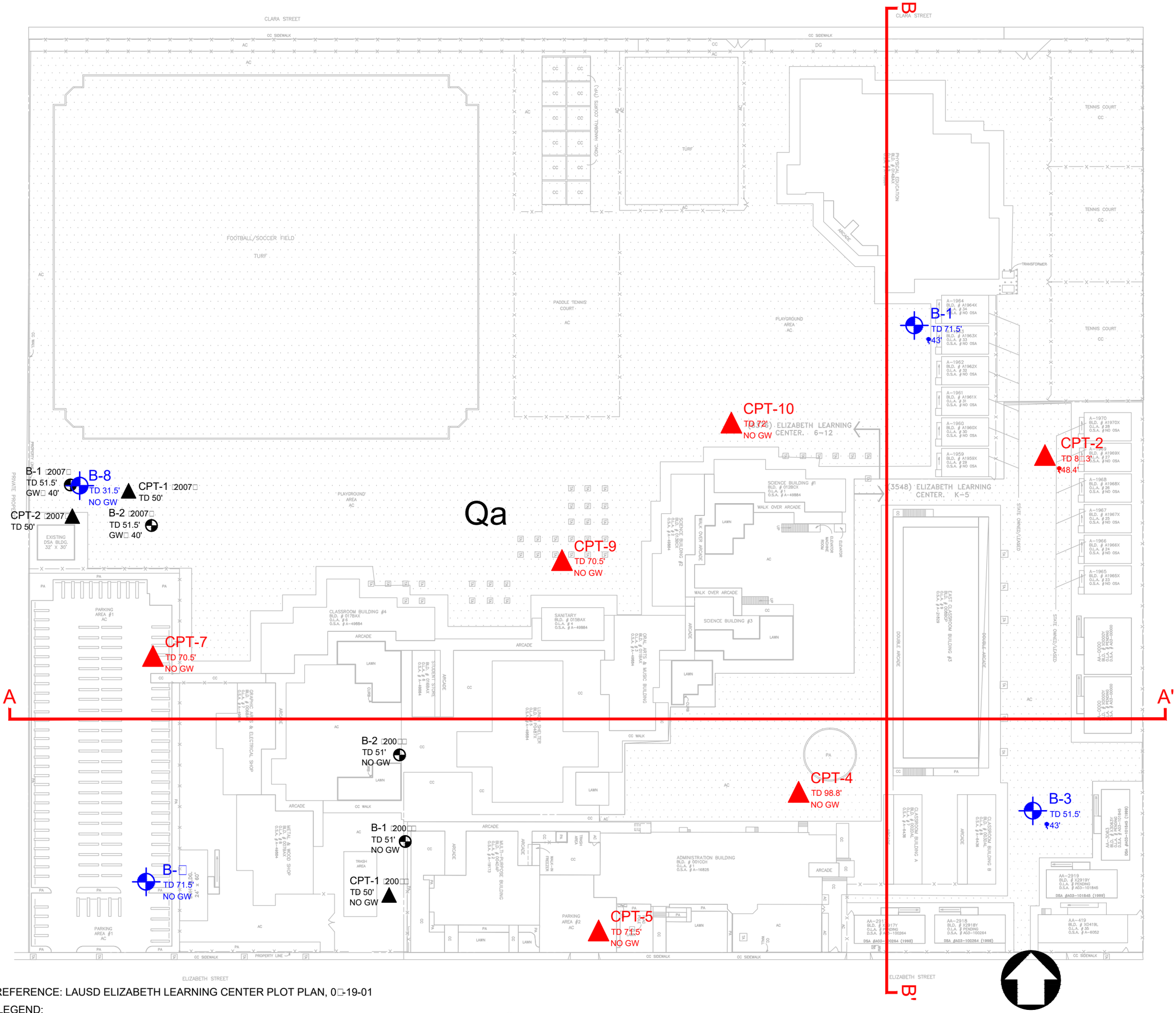
FIGURES



REFERENCE: SOUTH GATE QUADRANGLE USGS 7.5 MINUTE SERIES

DATE: 4/25/2017	DRAWN BY: JMT	GROUP DELTA	GROUP DELTA CONSULTANTS, INC 370 Amapola Ave. Suite 212 Torrance, CA. 90501	PROJECT NUMBER: LA-1321
REVIEW BY: -	APPROVED BY: -		SITE VICINITY MAP ELIZABETH LEARNING CENTER 4811 ELIZABETH ST., CUDAHY, CA	SCALE: AS SHOWN
PREPARED BY: -				FIGURE NUMBER: 1

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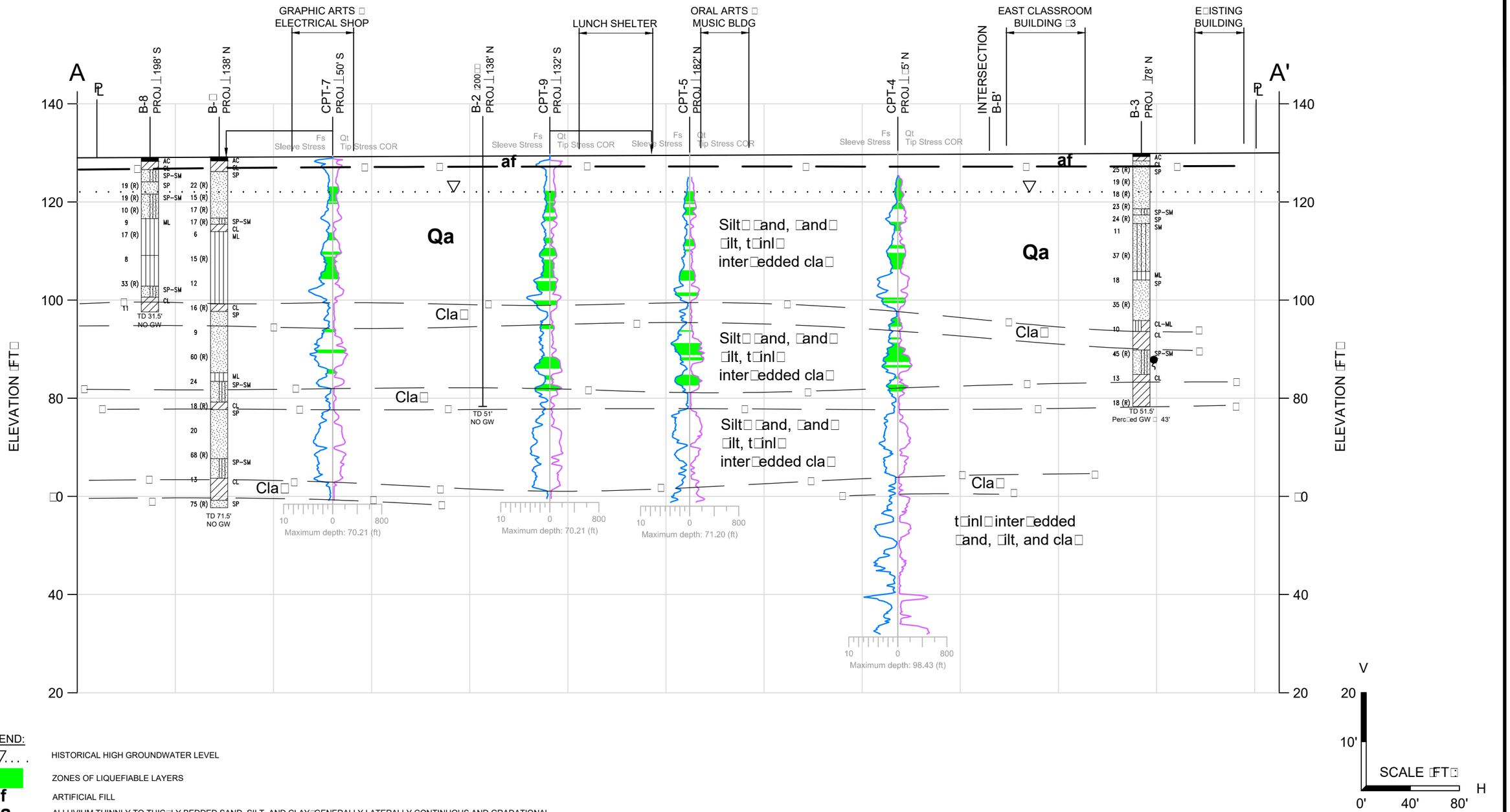
REFERENCE: LAUSD ELIZABETH LEARNING CENTER PLOT PLAN, 0-19-01

LEGEND:

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B-2	GDC BORING LOCATION AND NUMBER	A A'	CROSS SECTION LOCATION
B-1 200	LEIGHTON BORING LOCATION AND NUMBER REPORT DATE	CPT-1 200	LEIGHTON CPT LOCATION AND NUMBER REPORT DATE

DATE: 4/25/2017	DRAWN BY: JMT	GROUP DELTA CONSULTANTS, INC 370 Amapola Ave. Suite 212 Torrance, CA. 90501	E PLORATION AND SITE GEOLOGY MAP	PROJECT NUMBER: LA-1321	
REVISION: -	APPROVED BY: MS		ELIZABETH LEARNING CENTER 4811 ELIZABETH ST., CUDAHY, CA	SCALE: AS SHOWN	
REVISION: -				FIGURE NUMBER: 2	

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LEGEND:

HISTORICAL HIGH GROUNDWATER LEVEL

ZONES OF LIQUEFIABLE LAYERS

af — ARTIFICIAL FILL

Qa — ALLUVIUM THINNLY TO THIC□LY BEDDED SAND, SILT, AND CLAY□GENERALLY LATERALLY CONTINUOUS AND GRADATIONAL

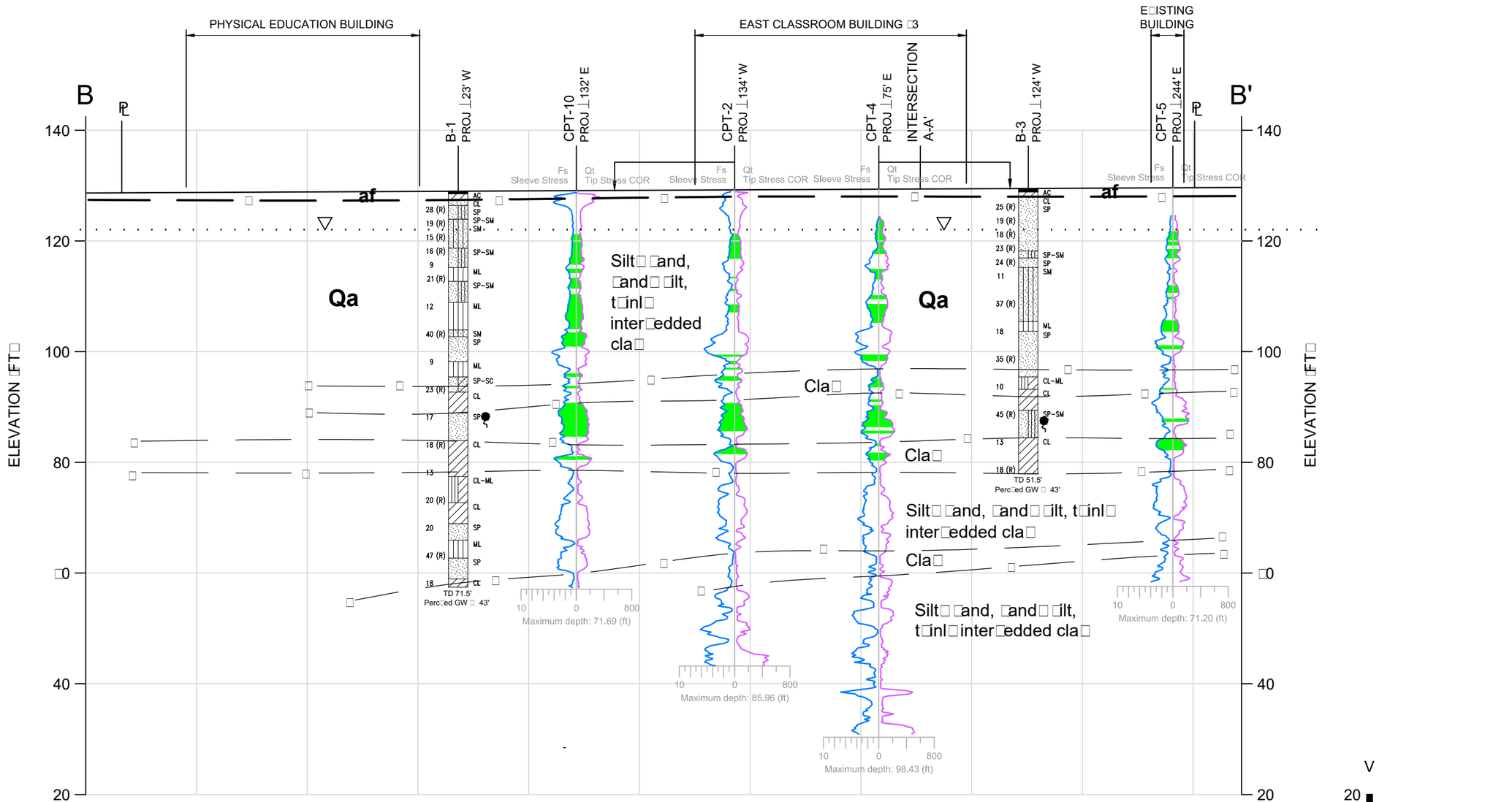
APPRO□IMATE GEOLOGIC UNIT CONTACT, QUERIED WHERE UNCONFINED

APPRO□IMATE STRATIGRAPHIC CONTACT, QUERIED WHERE UNCONFINED

PERCHED GROUNDWATER ENCOUNTERED DURING DRILLING

DATE: 5/10/2017	DRAWN BY: JMT	GROUP DELTA CONSULTANTS, INC 370 Amapola Ave. Suite 212 Torrance, CA. 90501	CROSS SECTION A-A'
REVIEW BY: MS	APPROVED BY: ET		ELIZABETH LEARNING CENTER 4811 ELIZABETH ST., CUDAHY, CA
REVISED: -			PROJECT NUMBER: LA-1321 SCALE: AS SHOWN FIGURE NUMBER: 3.1

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LEGEND:

HISTORICAL HIGH GROUNDWATER LEVEL

ZONES OF LIQUEFIABLE LAYERS

af — ARTIFICIAL FILL

Qa — ALLUVIUM THINNLY TO THIC□LY BEDDED SAND, SILT, AND CLAY□GENERALLY LATERALLY CONTINUOUS AND GRADATIONAL

APPRO□IMATE GEOLOGIC UNIT CONTACT, QUERIED WHERE UNCONFINED

APPRO□IMATE STRATIGRAPHIC CONTACT, QUERIED WHERE UNCONFINED

PERCHED GROUNDWATER ENCOUNTERED DURING DRILLING

DATE: 5/10/2017	DRAWN BY: JMT	GROUP DELTA CONSULTANTS, INC 370 Amapola Ave. Suite 212 Torrance, CA. 90501	CROSS SECTION B-B'
REVIEW BY: MS	APPROVED BY: ET		ELIZABETH LEARNING CENTER 4811 ELIZABETH ST., CUDAHY, CA
REVISED: -			PROJECT NUMBER: LA-1321 SCALE: AS SHOWN FIGURE NUMBER: 3.2

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MAP UNITS

Late Holocene (Surficial Deposits)

- af — **Artificial Fill** - deposits of fill resulting from human construction, mining, or quarrying activities; includes engineered fill for buildings, roads, dams, airport runways, harbor facilities, and waste landfills
- Qls — **Landslide Deposits** - may include debris flows and older landslides of various earth material and movement types; unconsolidated to moderately well-consolidated
- Qb — **Beach Deposits** - unconsolidated marine beach sediments consisting mostly of fine- and medium-grained, well-sorted sand
- Qw — **Alluvial Wash Deposits** - unconsolidated sandy and gravelly sediment deposited in recently active channels of streams and rivers; may contain loose to moderately loose sand and silty sand
- Qa — **Alluvial Valley Deposits** - unconsolidated clay, silt, sand, and gravel recently deposited parallel to localized stream valleys and/or spread more regionally onto alluvial flats of larger river valleys; sandy sediment generally more dominant than gravelly sediment
- Ql — **Lacustrine, Playa, and Estuarine (Paralic) Deposits** - mostly unconsolidated fine-grained sand, silt, mud, and clay from fresh water (lacustrine) lakes, saline (playa) dry lakes that are periodically flooded, and estuaries; deposits may contain salt and other evaporites
- Qe — **Eolian and Dune Deposits** - unconsolidated, generally well-sorted wind-blown sand; may occur as dune forms or sheet sand

Holocene to Late Pleistocene (Surficial Deposits)

- Qyf — **Young Alluvial Fan Deposits** - unconsolidated to slightly consolidated, undissected to slightly dissected boulder, cobble, gravel, sand, and silt deposits issued from a confined valley or canyon
- Qya — **Young Alluvial Valley Deposits** - unconsolidated to slightly consolidated, undissected to slightly dissected clay, silt, sand, and gravel along stream valleys and alluvial flats of larger rivers
- Qyl — **Young Lacustrine, Playa, and Estuarine (Paralic) Deposits** - unconsolidated to slightly consolidated, undissected to slightly dissected fine-grained sand, silt, mud and clay from lake, playa, and estuarine deposits of various types
- Qye — **Young Eolian and Dune Deposits** - unconsolidated to slightly consolidated, undissected to slightly dissected wind-blown sands

Late to Middle Pleistocene (Surficial Deposits)

- Qof — **Old Alluvial Fan Deposits** - slightly to moderately consolidated, moderately dissected boulder, cobble, gravel, sand, and silt deposits issued from a confined valley or canyon
- Qoa — **Old Alluvial Valley Deposits** - slightly to moderately consolidated, moderately dissected clay, silt, sand, and gravel along stream valleys and alluvial flats of larger rivers
- Qol — **Old Lacustrine, Playa, and Estuarine (Paralic) Deposits** - slightly to moderately consolidated, moderately dissected fine-grained sand, silt, mud, and clay from lake, playa, and estuarine deposits of various types
- Qoe — **Old Eolian and Dune Deposits** - slightly to moderately consolidated, moderately dissected wind-blown sands

Middle to Early Pleistocene (Surficial Deposits)

- Qvof — **Very Old Alluvial Fan Deposits** - moderately to well-consolidated, highly dissected boulder, cobble, gravel, sand, and silt deposits issued from a confined valley or canyon

Quaternary (Bedrock)

- Qss — **Coarse-grained formations of Pleistocene age and younger** - primarily sandstone and conglomerate
- Qsh — **Fine-grained formations of Pleistocene age and younger** - includes fine-grained sandstone, siltstone, mudstone, shale, siliceous and calcareous sediments

Tertiary (Bedrock)

- Tss — **Coarse-grained Tertiary age formations** - primarily sandstone and conglomerate
- Tsh — **Fine-grained Tertiary age formations** - includes fine-grained sandstone, siltstone, mudstone, shale, siliceous and calcareous sediments
- Tv — **Tertiary age formations of volcanic origin**

Mesozoic and Older (Bedrock)

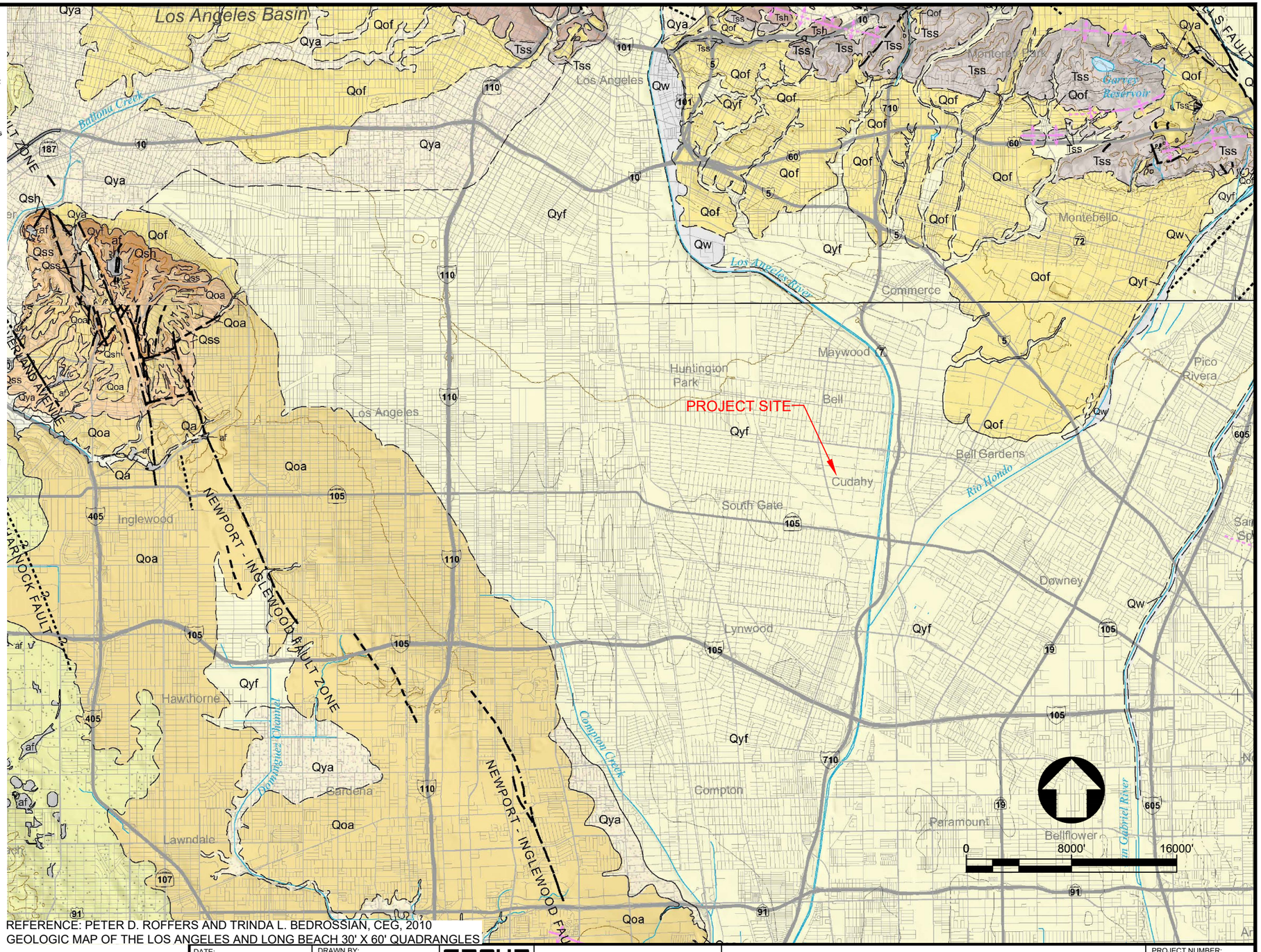
- pKm — **Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin**

SYMBOL EXPLANATION

[For geologic line symbols: lines are solid where location is accurate, long-dashed where location is approximate, short-dashed where location is inferred, dotted where location is concealed. Queries added where identity or existence may be questionable.]

Contacts

- Contact
- Reference contact – Used to delineate geologic units that were mapped as separate units on the original source map, but are consolidated on this map.
- Fault -- Includes strike-slip, normal, reverse, oblique, and unspecified slip
- Folds – Showing direction of plunge where appropriate
- Anticline
- Syncline
- Stream
- Wet area
- Road
- County boundary



REFERENCE: PETER D. ROFFERS AND TRINDA L. BEDROSSIAN, CEG, 2010
GEOLOGIC MAP OF THE LOS ANGELES AND LONG BEACH 30' X 60' QUADRANGLES

DATE: 4/25/2017	DRAWN BY: JMT
REVIEW BY: -	APPROVED BY: -
REVISED: -	

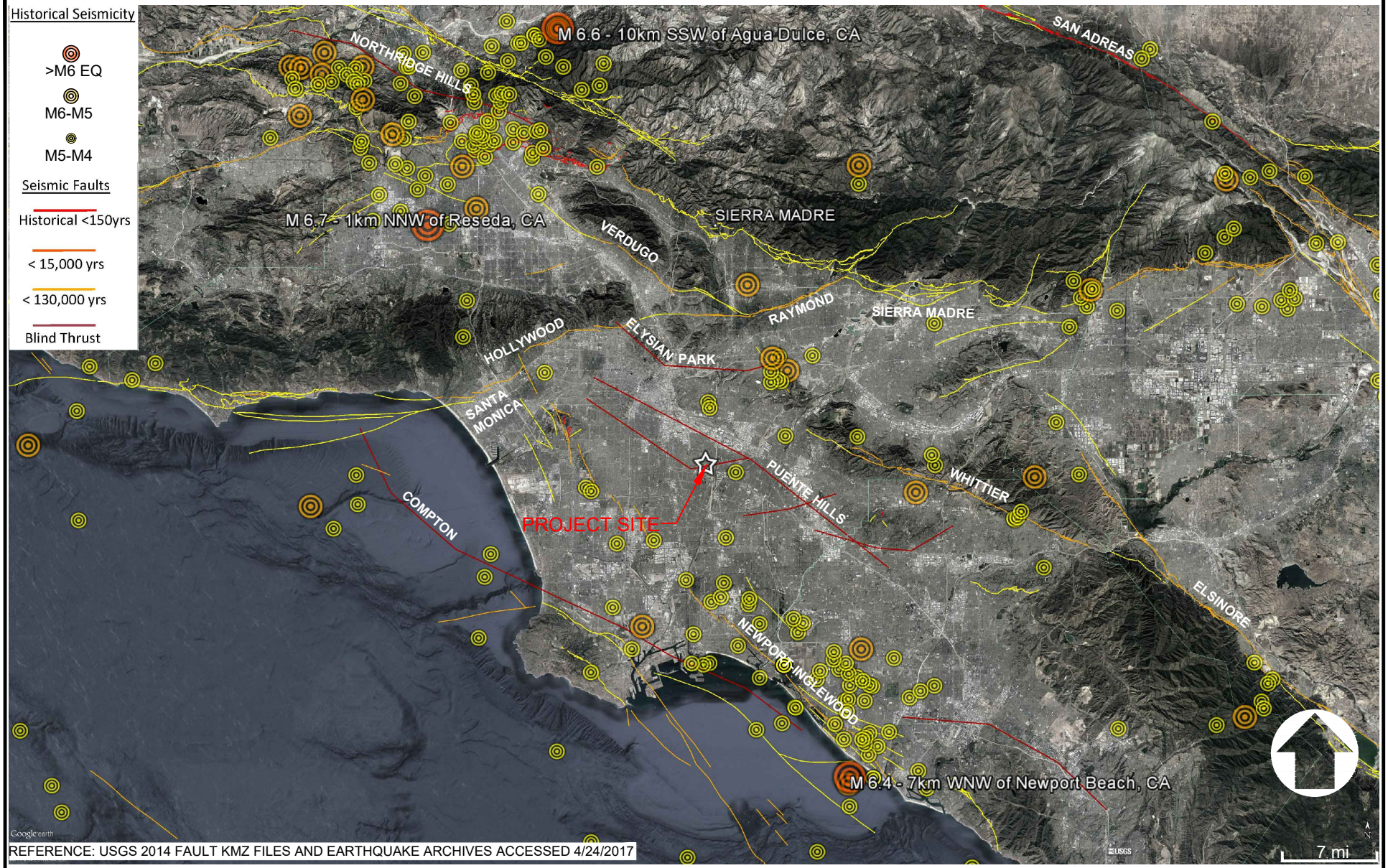
GROUP DELTA CONSULTANTS, INC
370 Amapola Ave.
Suite 212
Torrance, CA. 90501

REGIONAL GEOLOGY MAP

ELIZABETH LEARNING CENTER
4811 ELIZABETH ST., CUDAHY, CA

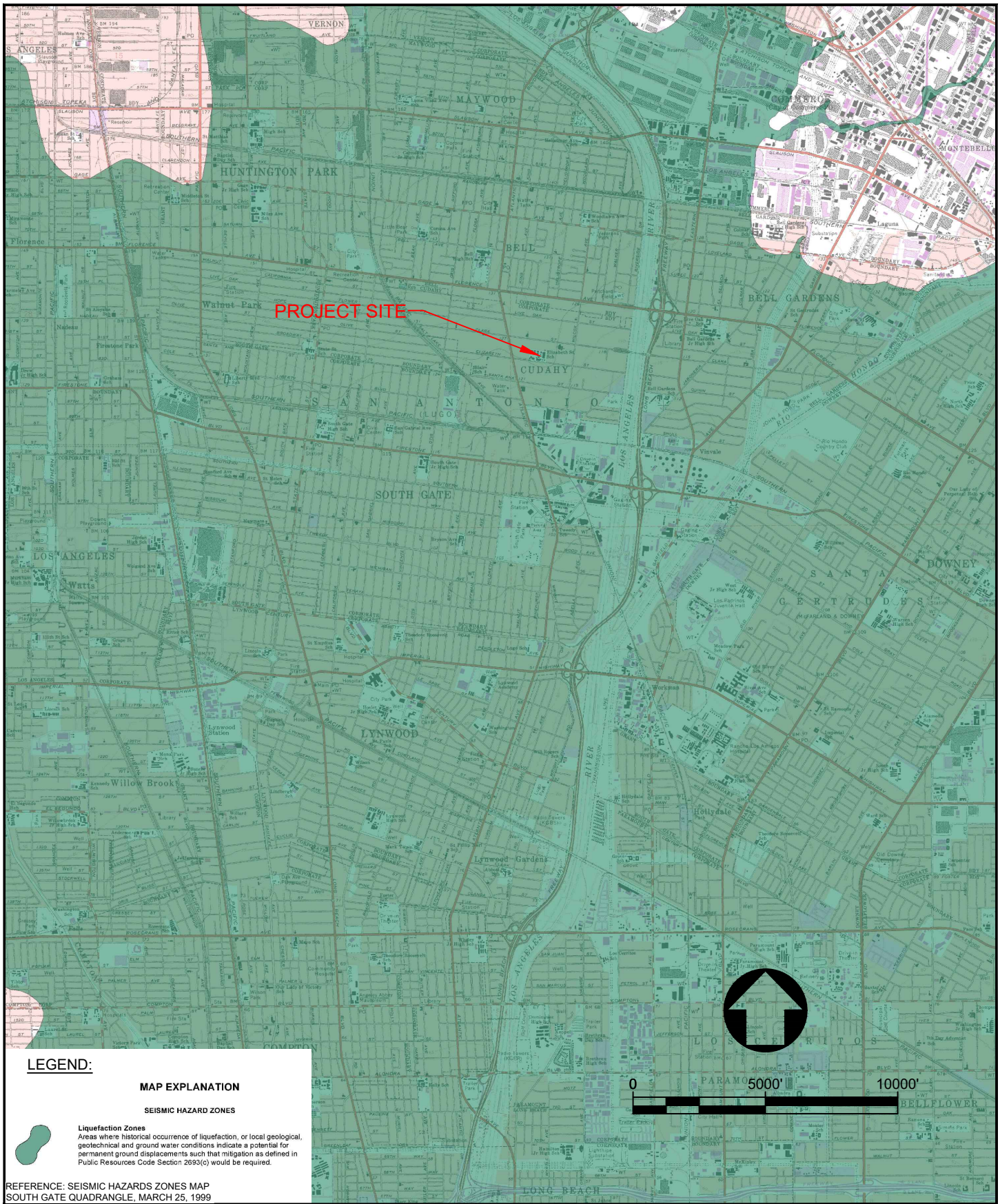
PROJECT NUMBER: LA-1321
SCALE: AS SHOWN
FIGURE NUMBER: 4

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DATE: 4/25/2017	DRAWN BY: JMT	GROUP DELTA	GROUP DELTA CONSULTANTS, INC 370 Amapola Ave. Suite 212 Torrance, CA. 90501	PROJECT NUMBER: LA-1321
REVIEW BY: -	APPROVED BY: -		REGIONAL SEISMICITY AND FAULT MAP ELIZABETH LEARNING CENTER 4811 ELIZABETH ST., CUDAHY, CA	SCALE: AS SHOWN
PREPARED BY: -				FIGURE NUMBER: 5

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LEGEND:

MAP EXPLANATION

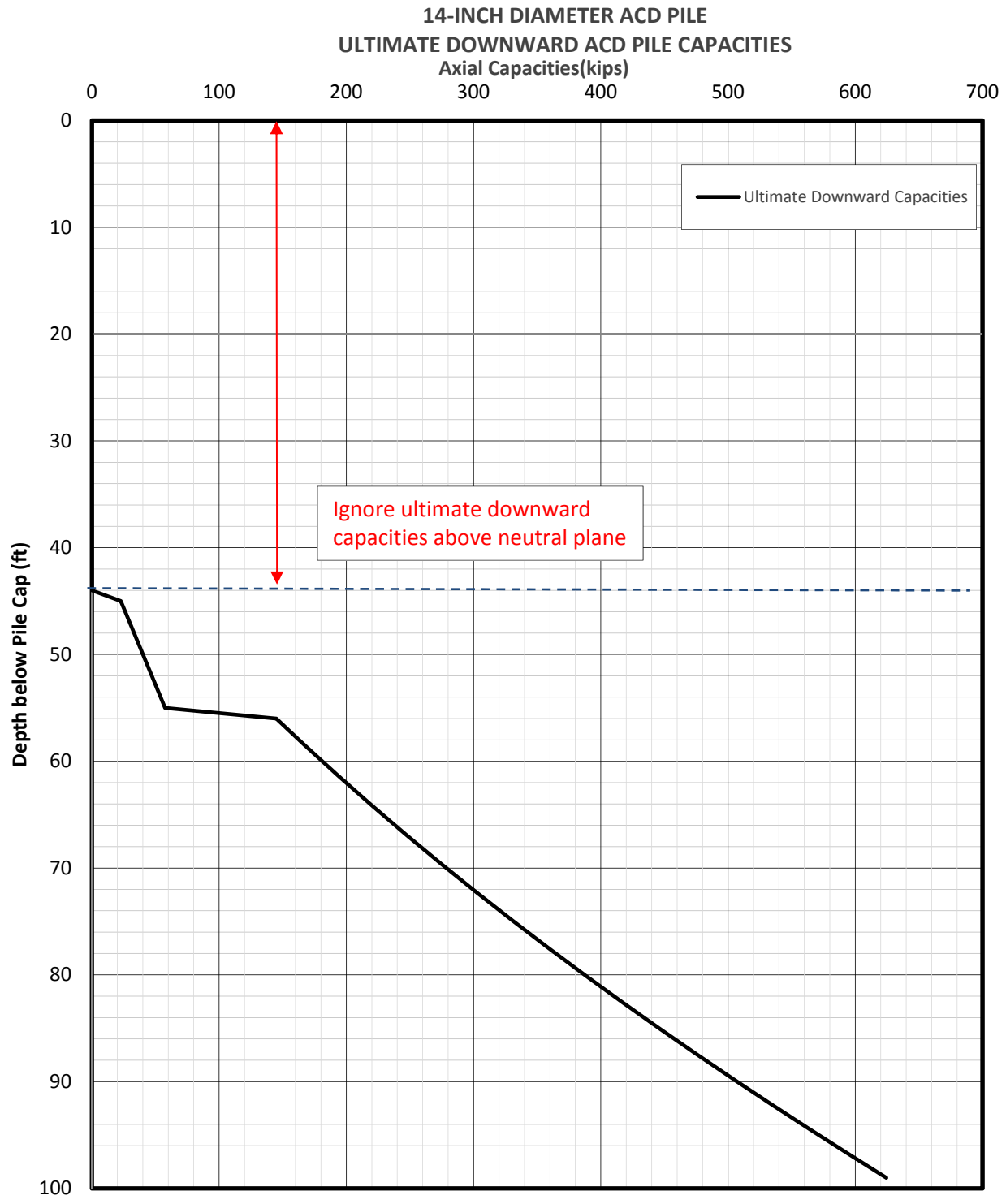
SEISMIC HAZARD ZONES

Liquefaction Zones
Areas where historical occurrence of liquefaction, or local geological, geotechnical and ground water conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resources Code Section 2693(c) would be required.

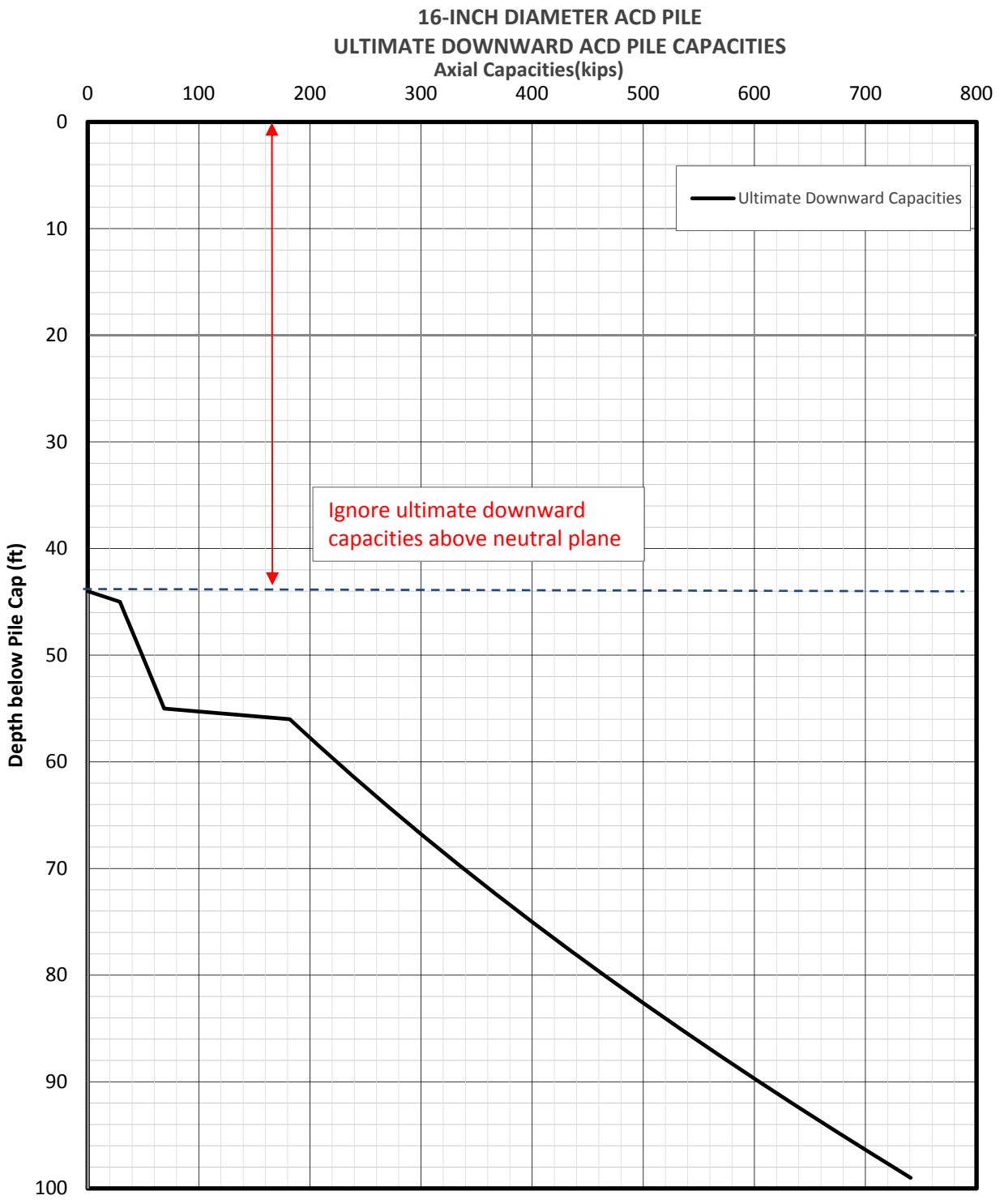
REFERENCE: SEISMIC HAZARDS ZONES MAP
SOUTH GATE QUADRANGLE, MARCH 25, 1999

DATE: 4/25/2017	DRAWN BY: JMT	GROUP DELTA	GROUP DELTA CONSULTANTS, INC 370 Amapola Ave. Suite 212 Torrance, CA. 90501	EARTHQUAKE ZONES OF REQUIRED INVESTIGATION ELIZABETH LEARNING CENTER 4811 ELIZABETH ST., CUDAHY, CA	PROJECT NUMBER: LA-1321
REVIEW: -	APPROVED BY: -				SCALE: AS SHOWN
PREPARED BY: -					FIGURE NUMBER: 6

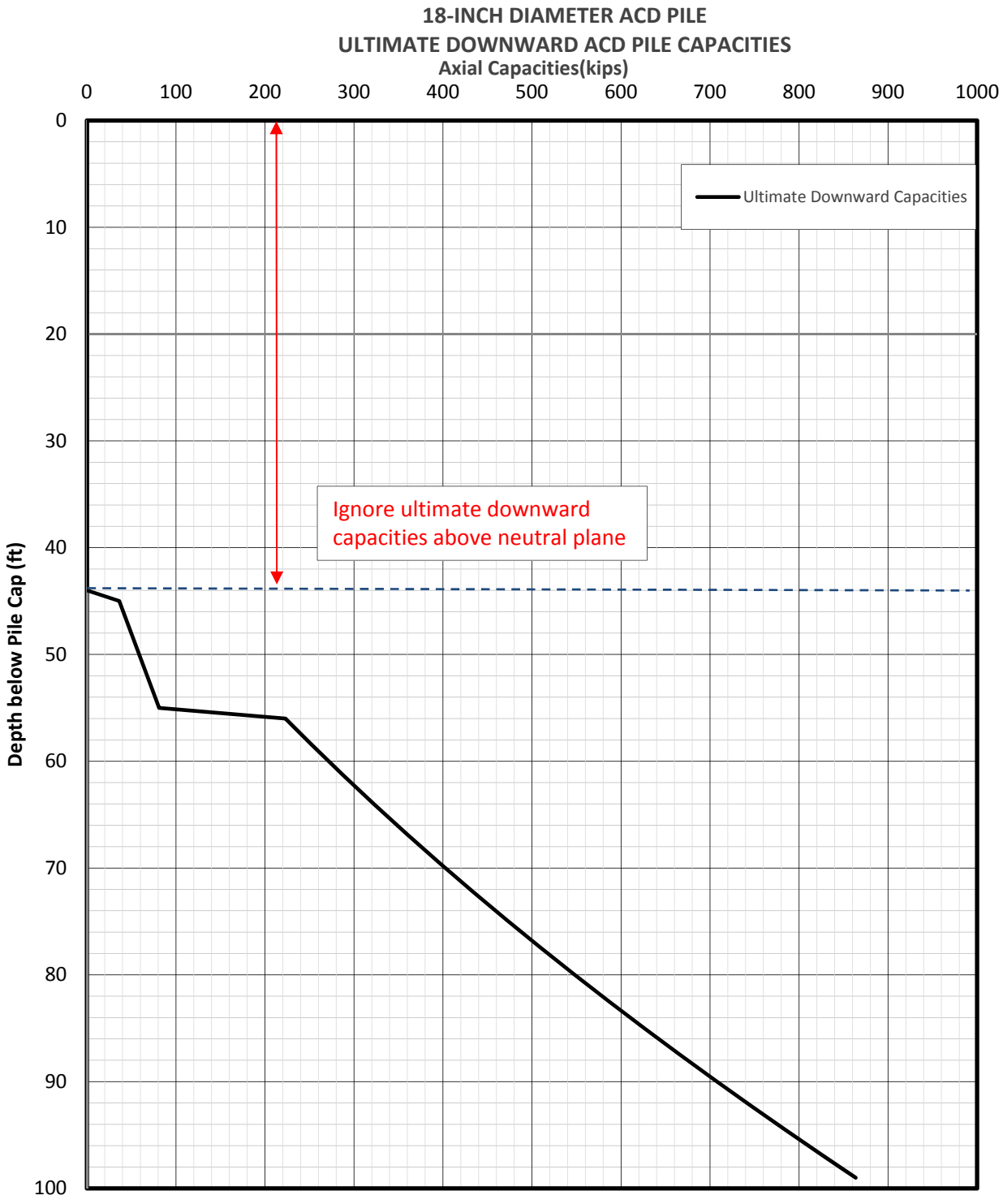
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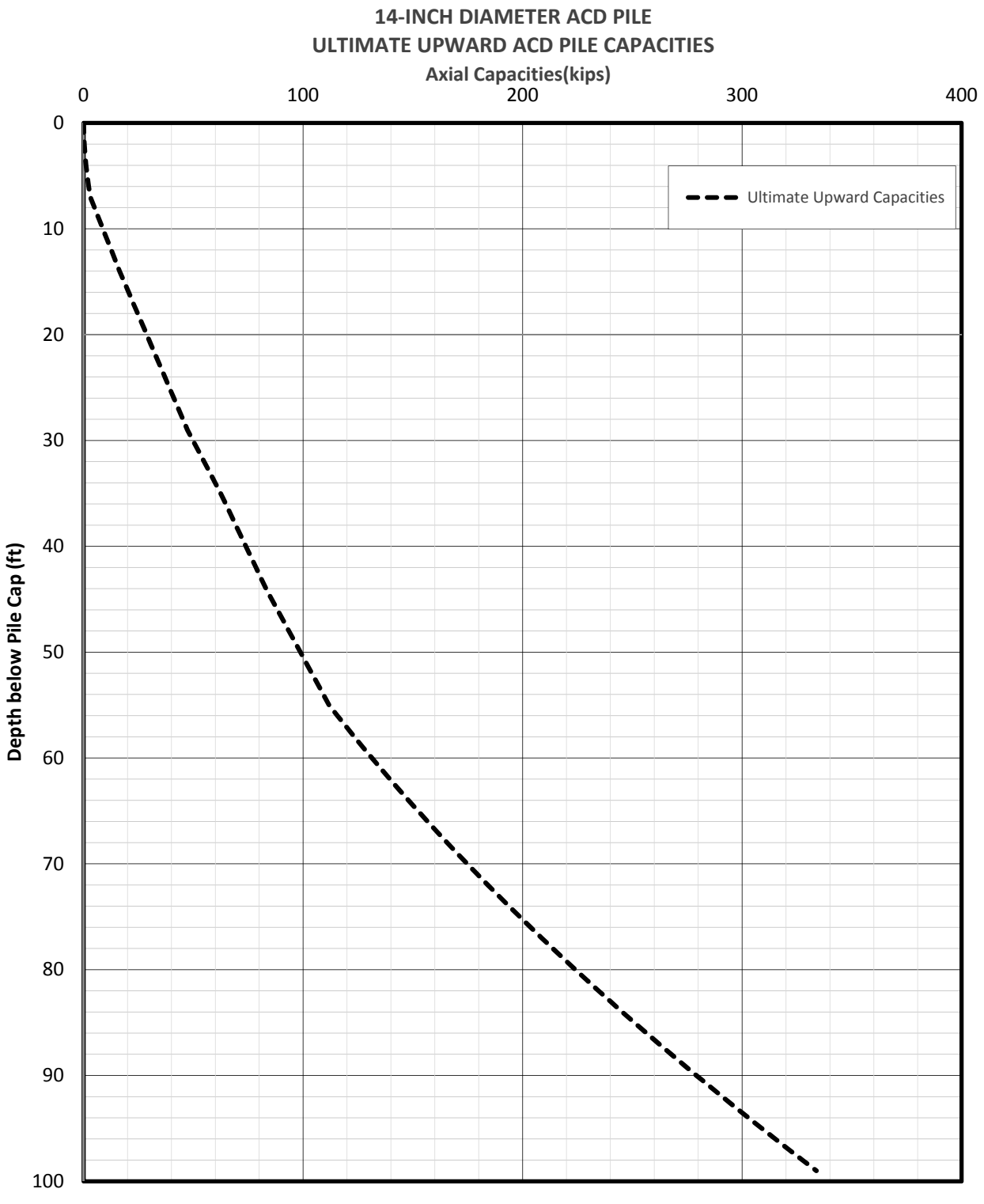
GROUP DELTA	Ultimate Downward Axial Capacity – 14-inch ACD Pile	Project Number: LA-1321 Date: 05/12/2017
Group Delta Consultants, Inc. 370 Amapola Ave., Suite 212 Torrance, CA 90501	LAUSD – Elizabeth Learning Center 4811 Elizabeth Street, Cudahy, CA	Figure 7.1



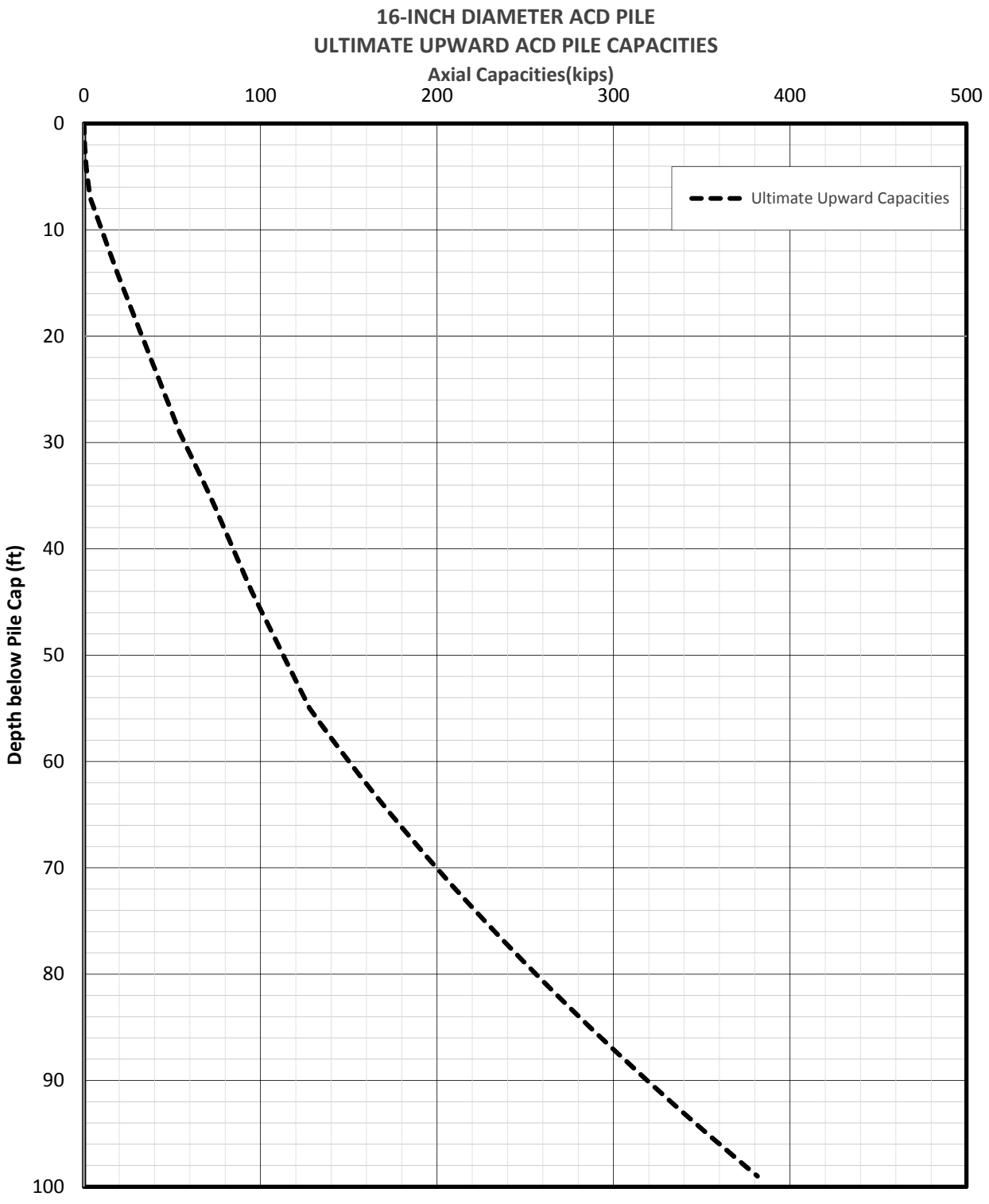
GROUP DELTA	Ultimate Downward Axial Capacity – 16-inch ACD Pile	Project Number: LA-1321 Date: 05/12/2017
Group Delta Consultants, Inc. 370 Amapola Ave., Suite 212 Torrance, CA 90501	LAUSD – Elizabeth Learning Center 4811 Elizabeth Street, Cudahy, CA	Figure 7.2



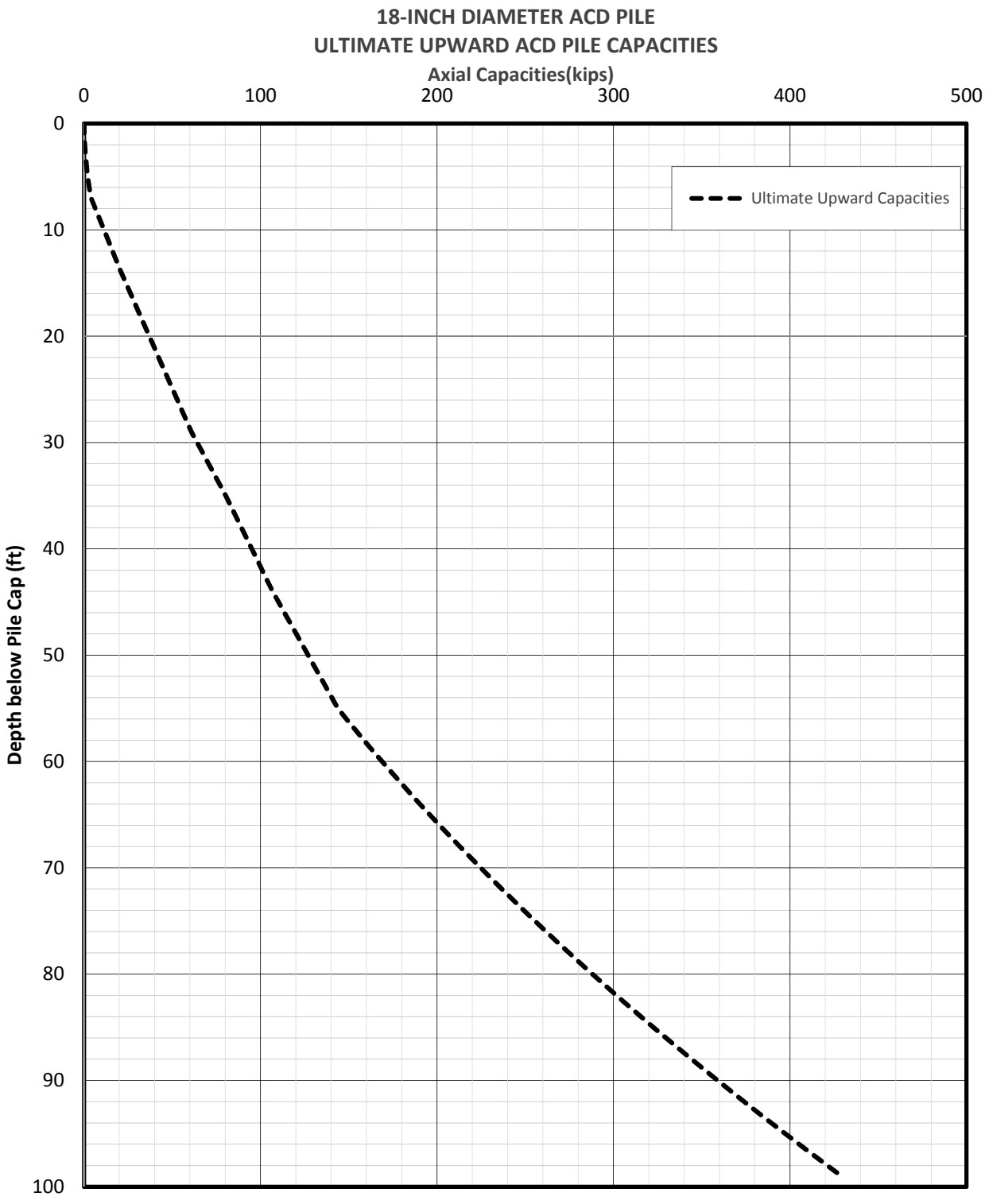
GROUP DELTA	Ultimate Downward Axial Capacity – 18-inch ACD Pile	Project Number: LA-1321 Date: 05/12/2017
Group Delta Consultants, Inc. 370 Amapola Ave., Suite 212 Torrance, CA 90501	LAUSD – Elizabeth Learning Center 4811 Elizabeth Street, Cudahy, CA	Figure 7.3



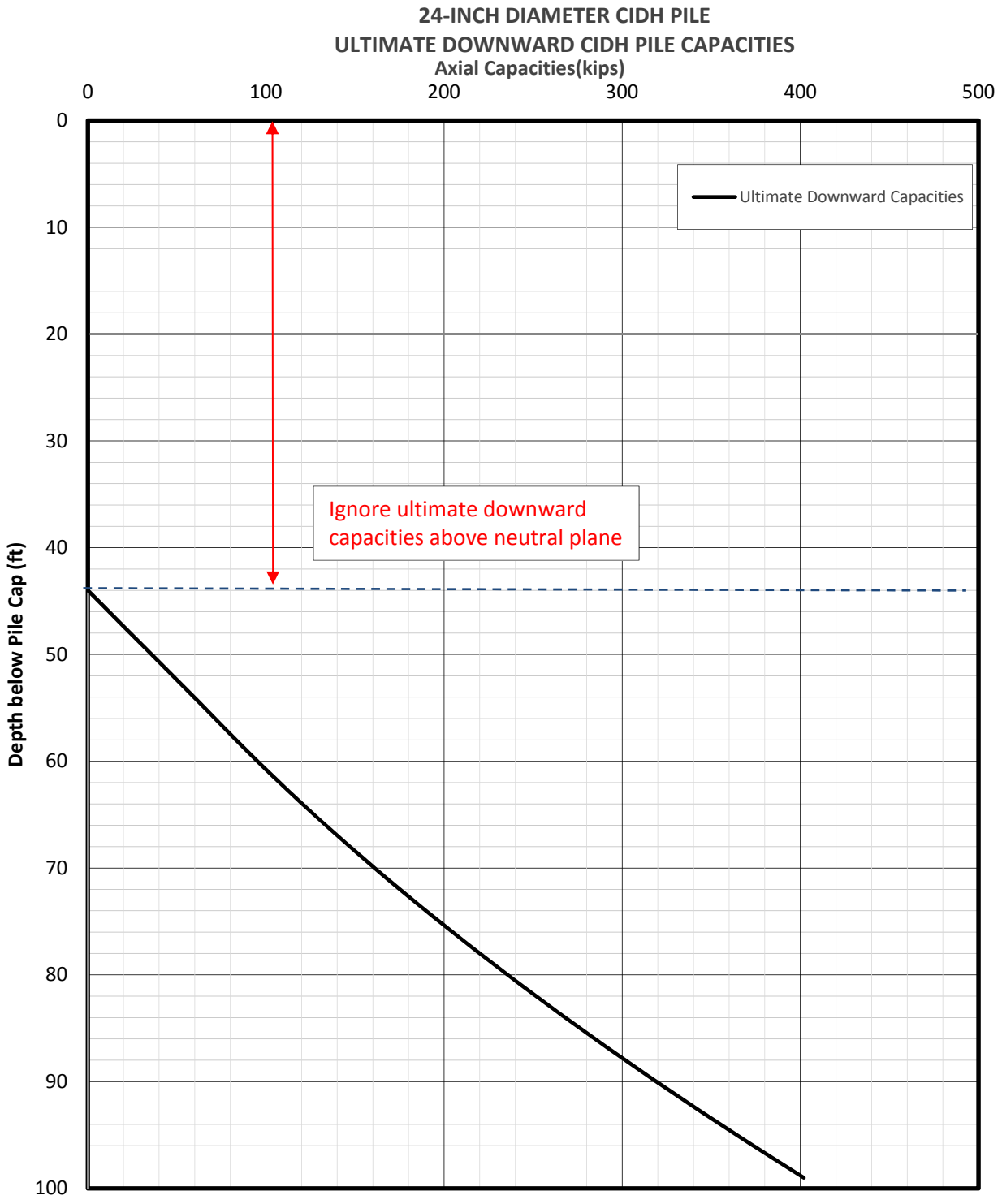
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Group Delta Consultants, Inc. 370 Amapola Ave., Suite 212 Torrance, CA 90501	LAUSD – Elizabeth Learning Center 4811 Elizabeth Street, Cudahy, CA	Figure 8.1



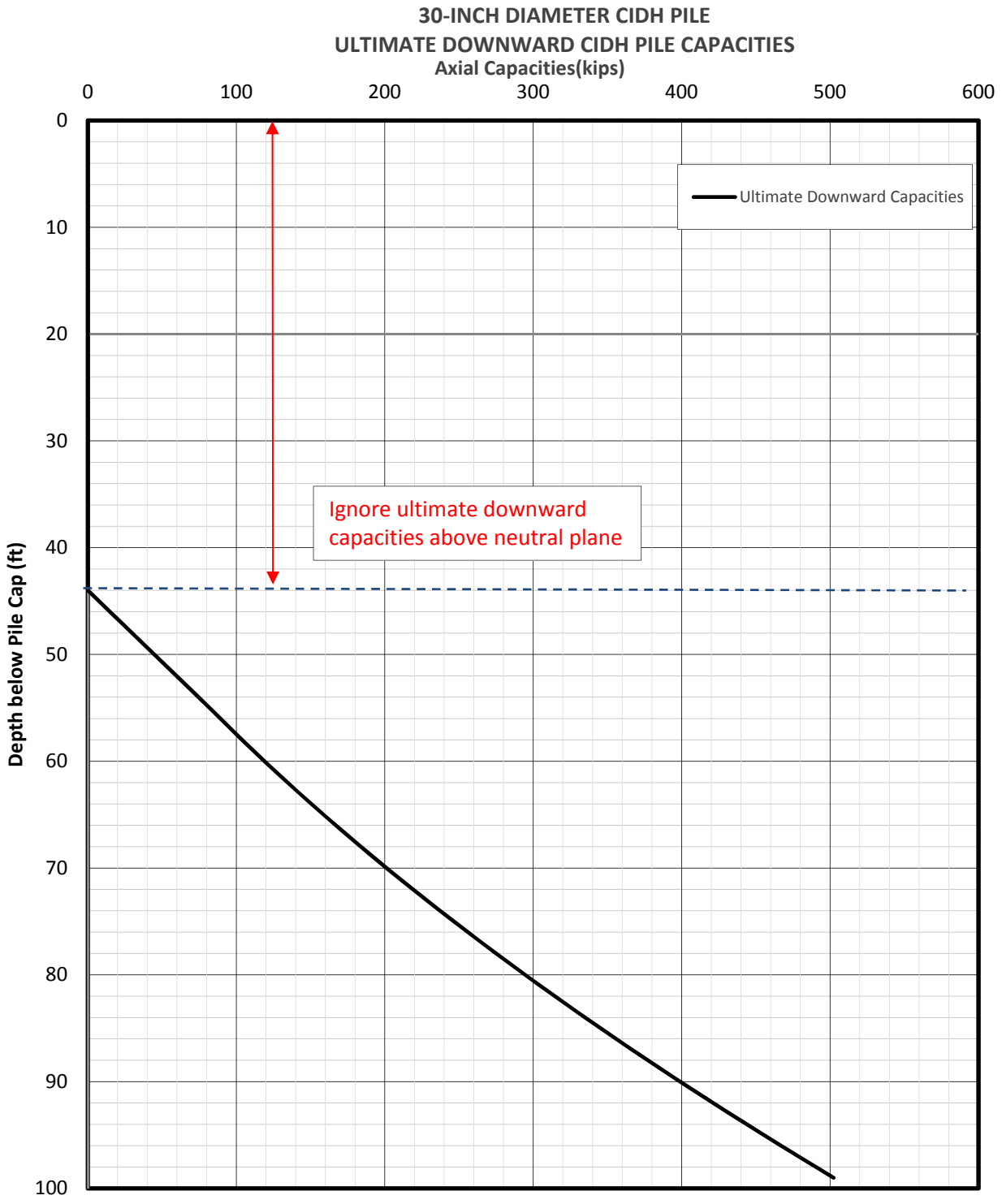
GROUP DELTA	Ultimate Upward Axial Capacity – 16-inch ACD Pile	Project Number: LA-1321 Date: 05/12/2017
Group Delta Consultants, Inc. 370 Amapola Ave., Suite 212 Torrance, CA 90501	LAUSD – Elizabeth Learning Center 4811 Elizabeth Street, Cudahy, CA	Figure 8.2



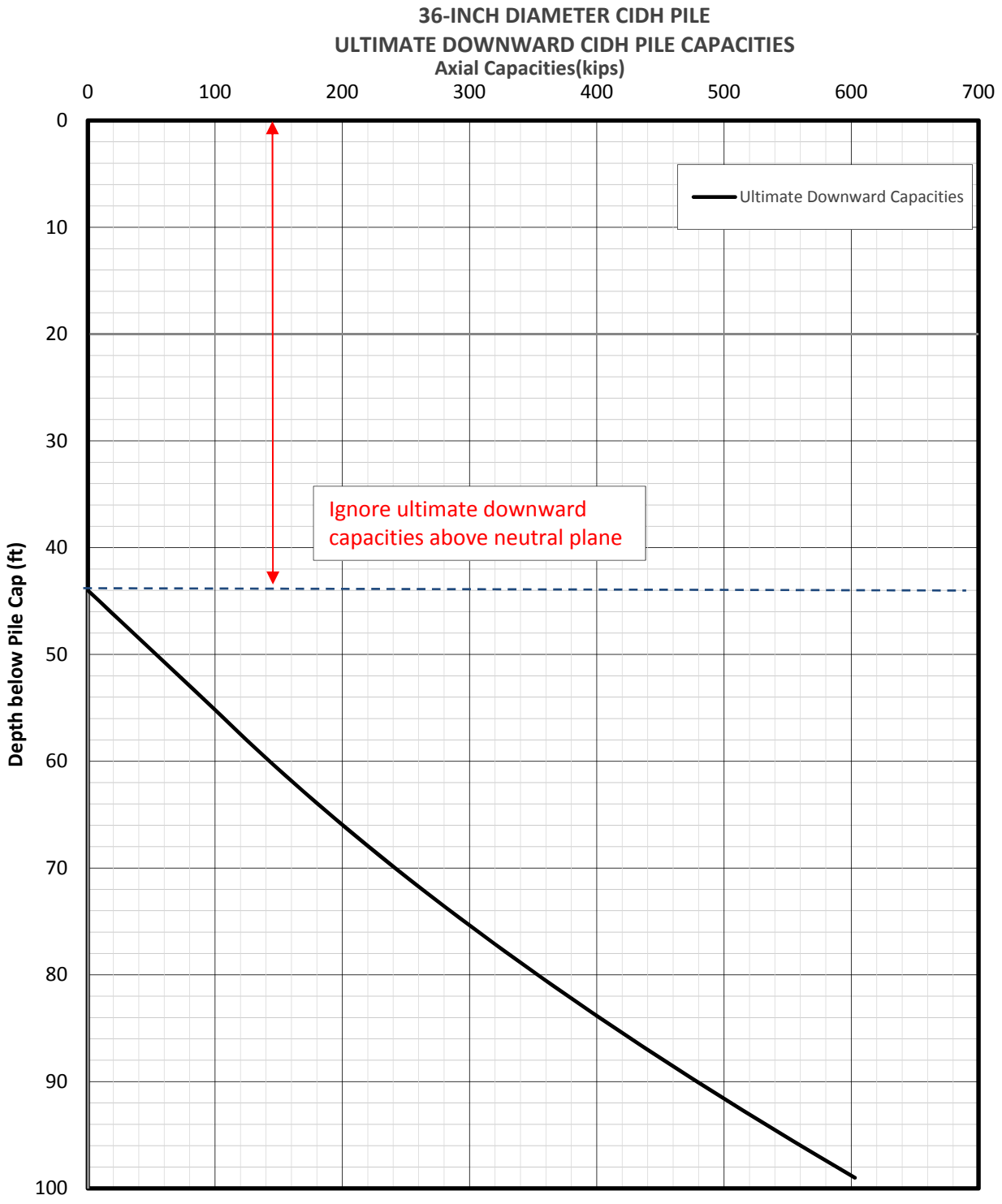
GROUP DELTA	Ultimate Upward Axial Capacity – 18-inch ACD Pile	Project Number: LA-1321 Date: 05/12/2017
Group Delta Consultants, Inc. 370 Amapola Ave., Suite 212 Torrance, CA 90501	LAUSD – Elizabeth Learning Center 4811 Elizabeth Street, Cudahy, CA	Figure 8.3



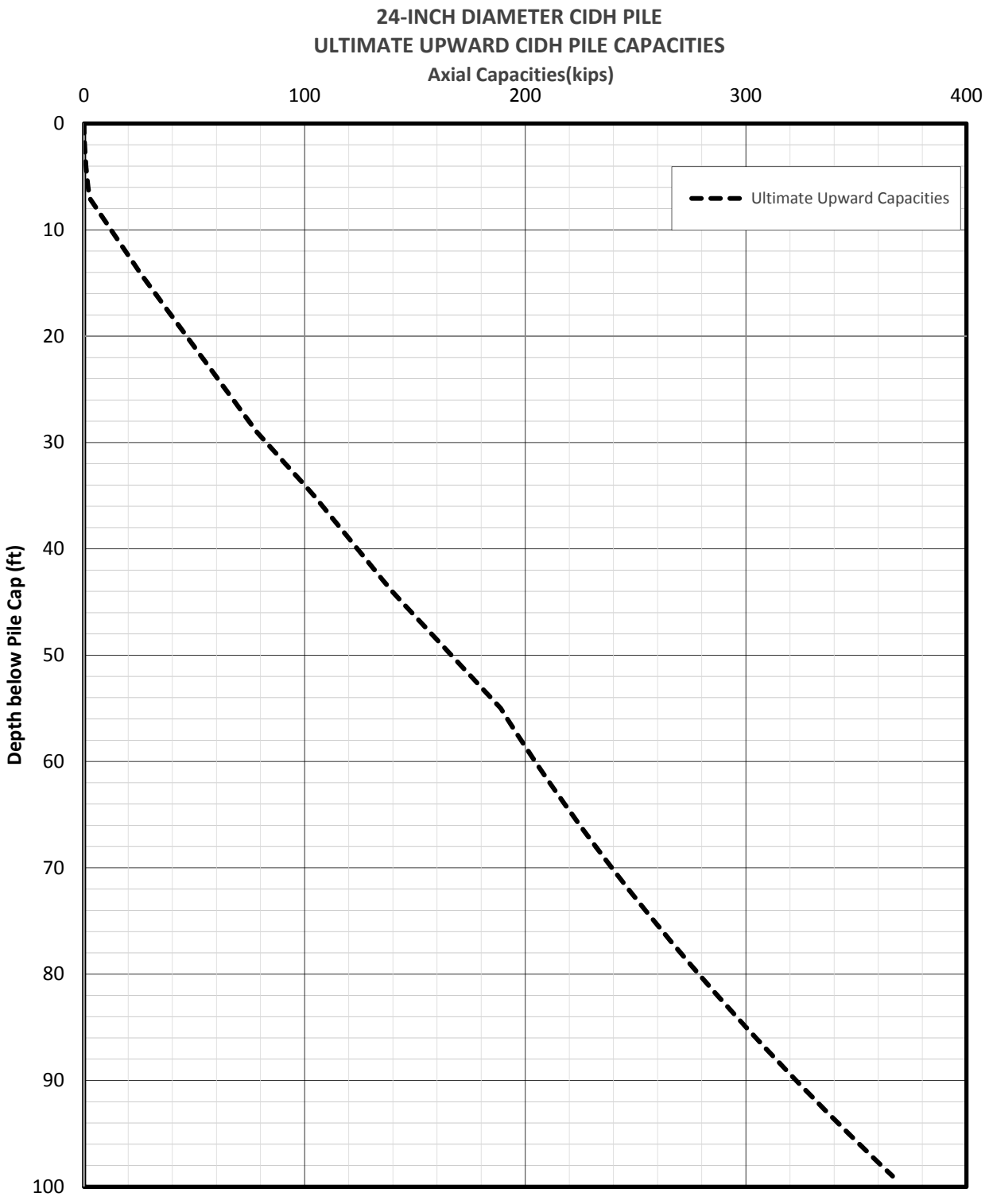
GROUP DELTA	Ultimate Downward Axial Capacity – 24-inch CIDH Pile	Project Number: LA-1321 Date: 05/12/2017
Group Delta Consultants, Inc. 370 Amapola Ave., Suite 212 Torrance, CA 90501	LAUSD – Elizabeth Learning Center 4811 Elizabeth Street, Cudahy, CA	Figure 9.1



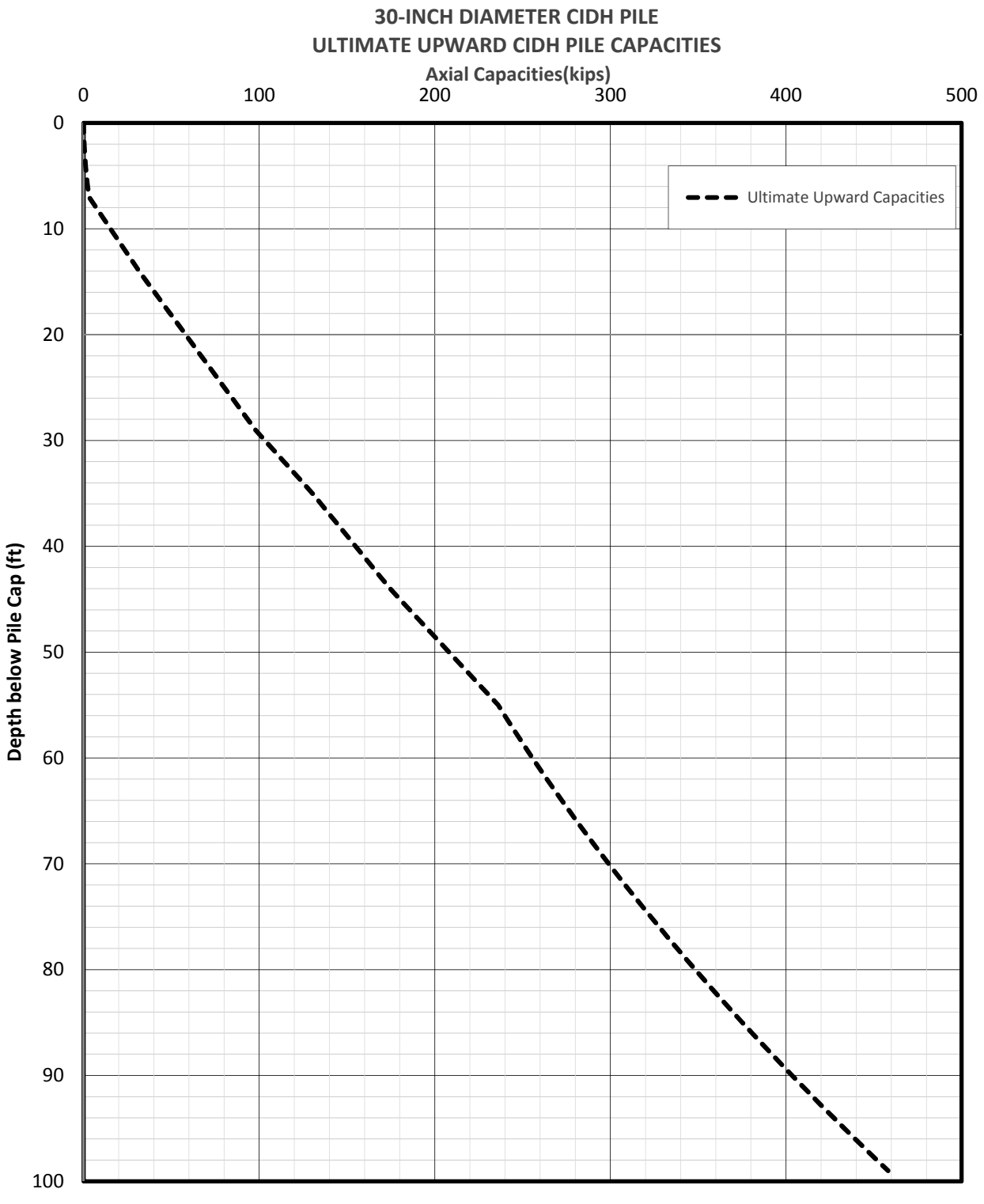
GROUP DELTA	Ultimate Downward Axial Capacity – 30-inch CIDH Pile	Project Number: LA-1321 Date: 05/12/2017
Group Delta Consultants, Inc. 370 Amapola Ave., Suite 212 Torrance, CA 90501	LAUSD – Elizabeth Learning Center 4811 Elizabeth Street, Cudahy, CA	Figure 9.2



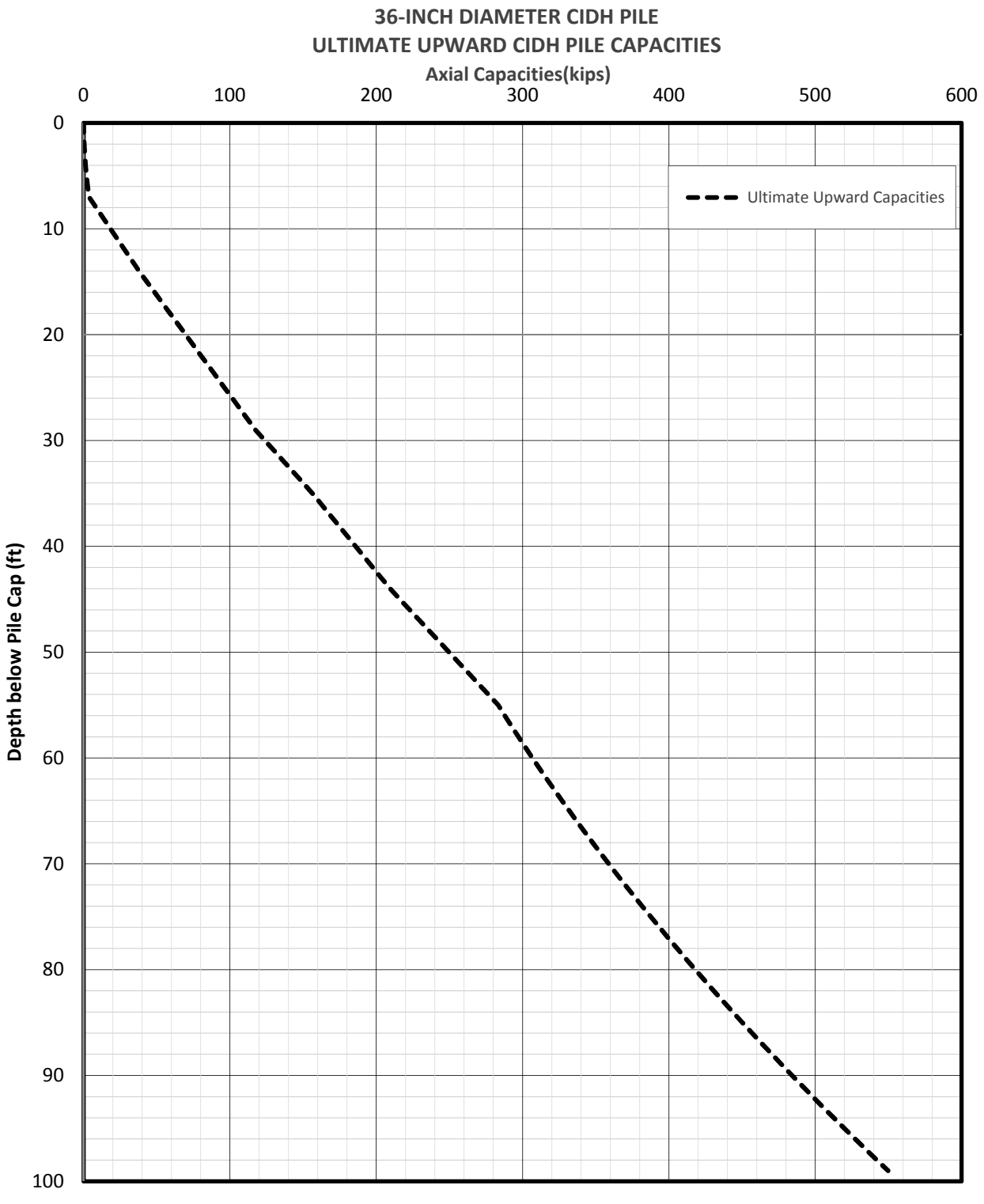
GROUP DELTA	Ultimate Downward Axial Capacity – 36-inch ACD Pile	Project Number: LA-1321 Date: 05/12/2017
Group Delta Consultants, Inc. 370 Amapola Ave., Suite 212 Torrance, CA 90501	LAUSD – Elizabeth Learning Center 4811 Elizabeth Street, Cudahy, CA	Figure 9.3



GROUP DELTA	Ultimate Upward Axial Capacity – 24-inch CIDH Pile	Project Number: LA-1321 Date: 05/12/2017
Group Delta Consultants, Inc. 370 Amapola Ave., Suite 212 Torrance, CA 90501	LAUSD – Elizabeth Learning Center 4811 Elizabeth Street, Cudahy, CA	Figure 10.1



GROUP DELTA	Ultimate Upward Axial Capacity – 30-inch CIDH Pile	Project Number: LA-1321 Date: 05/12/2017
Group Delta Consultants, Inc. 370 Amapola Ave., Suite 212 Torrance, CA 90501	LAUSD – Elizabeth Learning Center 4811 Elizabeth Street, Cudahy, CA	Figure 10.2



GROUP DELTA	Ultimate Upward Axial Capacity – 36-inch CIDH Pile	Project Number: LA-1321 Date: 05/12/2017
Group Delta Consultants, Inc. 370 Amapola Ave., Suite 212 Torrance, CA 90501	LAUSD – Elizabeth Learning Center 4811 Elizabeth Street, Cudahy, CA	Figure 10.3

APPENDIX A
FIELD EXPLORATION

A.1 Introduction

A geotechnical subsurface investigation was conducted for the preliminary planning stage at Elizabeth Learning Center in Cudahy, CA on April 14, 2017. Conceptual plans include modernization of existing campus buildings, construction of new buildings up to 3-stories; some new buildings plan to have underground parking. The investigation consisted of (4) hollow stem auger borings and (6) cone penetration tests (CPT). The exploration locations and numbers are shown in Figure 2 of the main report. Other previous investigations were conducted by Leighton Consulting, Inc. for a proposed kitchen expansion in 2006 and proposed multipurpose room in 2007. Applicable borings from the previous investigations are attached to the end of this appendix. The current and previous exploration locations are shown in Figure 2 of the main report. A summary table of the recent GDS investigation and previous investigations by Leighton are provided in Table A-1.

A.2 Soil Borings

Four hollow stem auger borings were advanced from the ground surface to a depth of 31.5 feet to 71.5 feet. The borings were drilled at an approximate ground elevation of (+129 to +130) to elevation (+98.5 to +57.5) feet. Subsurface materials were visually classified and recorded by a GDC field engineer in accordance with the Unified Soil Classification System (USCS).

Drive samples and bulk samples of the encountered materials were obtained from the borings and recorded on the boring logs. Drive samples were obtained with a Modified California Sampler lined with 1-inch high metal sample rings and a Standard Penetration Test (SPT) sampler. The Modified California Sampler has an outside diameter of 3-inches, and the inside diameter of the rings is 2.42-inches. The samples were retained in brass rings and placed in sealed plastic canisters to prevent moisture loss. Standard penetration tests (SPT) were conducted using a standard 2-inch outside diameter, 1.375-inch inside diameter, split-spoon sampler in accordance with ASTM D 1586. SPT samples were placed in sealable plastic bags to protect the natural moisture. The SPT and Modified California samplers were driven into the soil at the bottom of the borehole using a 140-pound hammer free falling 30 inches. The penetration resistance (or "blowcount") in blows per six inches of driving was recorded on the logs. Bulk samples were obtained by a shovel and placed into polyethylene bags.

A key for soil classification and a boring record legend are presented in Figures A-0a and A-0b, respectively. The boring logs are presented in Figures A-1a to A-4b. Applicable previous borings are attached to the end of this appendix.

A.3 Cone Penetration Tests (CPT)

Six cone penetration tests (CPT) were conducted at the site. The CPT's were advanced to depths ranging from about 70.5 feet to 98.8 feet below existing grade before reaching refusal in dense sand. The CPT's were drilled at an approximate ground elevation of (+129 to +130) feet to elevation (+59.5 to +31.2) feet. The CPTs were performed in general accordance with ASTM D3441, using a truck-mounted electric piezocone penetrometer.

CPTs are advanced from the ground surface with a truck-mounted hydraulic ram that pushes a steel rod with a conical tip and a cylindrical friction-sleeve into the ground. The conical tip has a 60-degree apex angle and a projected cross-sectional area of 1.55 square inches. The cylindrical friction sleeve has a surface area of 23.25 square inches. Both the tip and the sleeve have outside diameters of 1.4 inches.

As the rod is advanced, electronic instruments measure and record both the tip resistance and the frictional resistance on the sleeve. The tip and frictional resistance are then analyzed, using available correlations, to estimate soil classification, density, strength, and compressibility of the subsurface materials. Unlike soil borings, in which drive samples are typically taken at discrete intervals, the CPT provides a continuous record of soil properties with depth. Hence, the CPT can define the subsurface soil profile with much higher resolution than a soil boring, often detecting thin layers that are easily missed with conventional drilling and sampling. The CPT logs are presented in Figures A-5 to A-10. Applicable previous CPT logs are attached to the end of this appendix.

A.4 List of Attached Tables and Figures

The following table and figures are attached and complete this appendix:

Table A-1	Summary of Recent and Previous GDC Field Explorations
Figure A-0a	Key for Soil Classification
Figure A-0b	Boring Record Legend
Figures A-1a to A-4b	GDC Boring Logs
Figures A-5 to A-10	GDC CPT Logs
Attachments	Previous Leighton Boring and CPT Logs

TABLES

Table A-1
Summary of Recent and Previous GDC Field Explorations

Exploration No.	Date Performed	Ground Surface Elevation (feet, MSL)	Total Depth (ft)	Groundwater Depth (ft)	Exploration Type
B-1	4/14/2017	130	71.5	43 (perched)	Hollow Stem Auger
CPT-2	4/14/2017	129	86.3	Not Encountered	Cone Penetration Test
B-3	4/14/2017	130	51.5	43 (perched)	Hollow Stem Auger
CPT-4	4/14/2017	130	98.8	Not Encountered	Cone Penetration Test
CPT-5	4/14/2017	130	71.5	Not Encountered	Cone Penetration Test
B-6	4/14/2017	129	71.5	Not Encountered	Hollow Stem Auger
CPT-7	4/14/2017	129	70.5	Not Encountered	Hollow Stem Auger
B-8	4/14/2017	130	31.5	Not Encountered	Hollow Stem Auger
CPT-9	4/14/2017	130	70.5	Not Encountered	Cone Penetration Test
CPT-10	4/14/2017	128	72	Not Encountered	Cone Penetration Test
Leighton 2006 and 2007 Field Explorations					
B-1 (2006)	8/11/2006	129	51.5	Not Encountered	Hollow Stem Auger
B-2 (2006)	8/11/2006	130	51.5	Not Encountered	Hollow Stem Auger
CPT-1 (2006)	8/11/2006	130	50	Not Encountered	Cone Penetration Test
B-1 (2007)	2/15/2007	130	51.5	40	Hollow Stem Auger
B-2 (2007)	2/15/2007	130	51.5	40	Hollow Stem Auger
CPT-1 (2007)	2/15/2007	130	50	Not Encountered	Cone Penetration Test

FIGURES

KEY FOR SOIL CLASSIFICATION

UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D-2487)				
PRIMARY DIVISIONS			***GROUP SYMBOL***	***SECONDARY DIVISIONS***
COARSE GRAINED SOILS (less than 50% fines passing the No. 200 Sieve)	GRAVEL (% GRAVEL > % SAND)	CLEAN GRAVEL (Less than 5% fines)	GW	Well-graded gravel, gravel with sand, little or no fines
			GP	Poorly-graded gravel, gravel with sand, little or no fines
		"DIRTY" GRAVEL (More than 12% fines)	GM	Silty gravel, silty gravel with sand, silty or non-plastic fines
			GC	Clayey gravel, clayey gravel with sand, clayey or plastic fines
	SAND (% SAND ≥ % GRAVEL)	CLEAN SAND (Less than 5% fines)	SW	Well-graded sand, sand with gravel, little or no fines
			SP	Poorly-graded sand, sand with gravel, little or no fines
		"DIRTY" SAND (More than 12% fines)	SM	Silty sand, silty sand with gravel, silty or non-plastic fines
			SC	Clayey sand, clayey sand with gravel, clayey or plastic fines
FINE GRAINED SOILS (50% or more fines passing the No. 200 Sieve)	SILTS AND CLAYS (Liquid Limit less than 50)		ML	Inorganic silt, sandy silt, gravelly silt, or clayey silt with low plasticity
			CL	Inorganic clay of low to medium plasticity, sandy clay, gravelly clay, silty clay, Lean Clay
			OL	Low to medium plasticity Silt or Clay with significant organic content (vegetative matter)
	SILTS AND CLAYS (Liquid Limit 50 or more)		MH	Inorganic elastic silt, sandy silt, gravelly silt, or clayey silt of medium to high plasticity
			CH	Inorganic clay of high plasticity, Fat Clay
			OH	Medium to high plasticity Silt or Clay with significant organic content (vegetative matter)
HIGHLY ORGANIC SOILS			PT	Peat or other highly organic soils

Note: Dual symbols are used for coarse grained soils with 5 to 12% fines (ex: SP-SM), and for soils with Atterberg Limits falling in the CL-ML band in the Plasticity Chart. Borderline classifications between groups may be indicated by two symbols separated by a slash (ex: CL/CH, SW/GW).

CONSISTENCY CLASSIFICATION				
COARSE GRAINED SOILS		***FINE GRAINED SOILS***		
Blowcount SPT[1] (CAL)[2]	Consistency	Blowcount[3] SPT[1] (CAL)[2]	Consistency	Undrained Shear Strenth[3], S_u (ksf)
0-4 (0-6)	Very Loose	<2 (<3)	Very Soft	< 0.25
		2-4 (3-6)	Soft	0.25 -0.50
5-10 (7-15)	Loose	5-8 (7-12)	Firm	0.50 - 1.0
11-30 (16-45)	Med. Dense	9-15 (13-22)	Stiff	1.0 - 2
31-50 (46-75)	Dense	16-30 (23-45)	Very Stiff	2.0 - 4.0
>50 (>75)	Very Dense	>31 (>45)	Hard	>4.0

MOISTURE CLASSIFICATION
DRY - Absence of moisture, dusty, dry to the touch **MOIST-** Damp but no visible water **WET-** Visible free water, usually soil is below water table

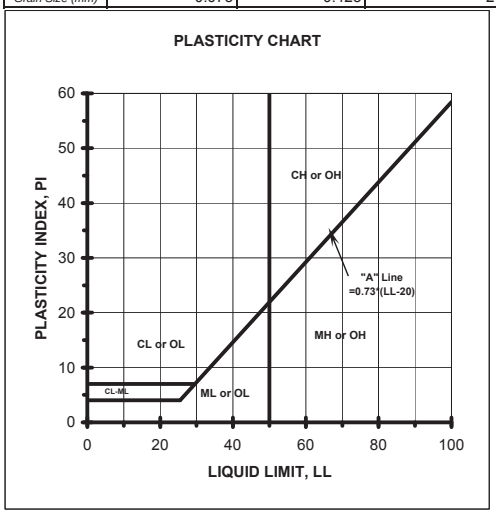
CONSISTENCY NOTES:

1. Number of blows of a 140-lb. hammer falling 30-inches to drive a 2-inch OD (1.375-inch ID) **SPT Sampler** [ASTM D-1585] the final 12-inches of driving
2. Number of blows of a 140-lb. hammer falling 30-inches to drive a 3-inch OD (2.42-inch ID) **California Ring Sampler** the final 12-inches of driving.
3. Undrained shear strength of cohesive soils predicted from field blowcounts is generally unreliable. Where possible, consistency should be based on S_u data from pocket penetrometer, torvane, or laboratory testing.

CLASSIFICATION CRITERIA BASED ON LABORATORY TESTS

Grain Size Classification

CLAY AND SILT	SAND			GRAVEL		COBBLES		BOULDERS	
	Fine	Medium	Coarse	Fine	Coarse				
US Std Sieve	**No. 200**	**No. 40**	**No. 10**	**No. 4**	**3/4"**	**3"**		**12"**		
Grain Size (mm)	0.075	0.425	2	4.75	19.1	76.2		304.8		



Classification of earth materials shown on the logs is based on field inspection and should not be construed to imply laboratory analysis unless so stated.

Granular Soil Gradation Parameters

Coefficient of Uniformity: $C_u = D_{60} / D_{10}$

Coefficient of Curvature: $C_C = (D_{30})^2 / (D_{10} \times D_{60})$

D_{10}= 10% of the soil is finer than this diameter

D_{30}= 30% of the soil is finer than this diameter

D_{30}= 60% of the soil is finer than this diameter

Group Symbol	Gradation or Plasticity Requirement
SW	C_u>6 and C_c between 1 and 3
GW	C_u>4 and C_c between 1 and 3
GP or SP	Clean gravel or sand not meeting requirement for GW or SW
GM or SM	Plots below "A" Line on Plasticity Chart or PI < 4
GC or SC	Plots above "A" Line on Plasticity Chart and PI > 7

GROUP DELTA

FIGURE A-0a

GROUP SYMBOLS AND NAMES

Graphic / Symbol	Group Names
GW	Well-graded GRAVEL Well-graded GRAVEL with SAND
GP	Poorly graded GRAVEL Poorly graded GRAVEL with SAND
GW-GM	Well-graded GRAVEL with SILT Well-graded GRAVEL with SILT and SAND
GW-GC	Well-graded GRAVEL with CLAY (or SILTY CLAY) Well-graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)
GP-GM	Poorly graded GRAVEL with SILT Poorly graded GRAVEL with SILT and SAND
GP-GC	Poorly graded GRAVEL with CLAY (or SILTY CLAY) Poorly graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)
GM	SILTY GRAVEL SILTY GRAVEL with SAND
GC	CLAYEY GRAVEL CLAYEY GRAVEL with SAND
GC-GM	SILTY, CLAYEY GRAVEL SILTY, CLAYEY GRAVEL with SAND
SW	Well-graded SAND Well-graded SAND with GRAVEL
SP	Poorly graded SAND Poorly graded SAND with GRAVEL
SW-SM	Well-graded SAND with SILT Well-graded SAND with SILT and GRAVEL
SW-SC	Well-graded SAND with CLAY (or SILTY CLAY) Well-graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL)
SP-SM	Poorly graded SAND with SILT Poorly graded SAND with SILT and GRAVEL
SP-SC	Poorly graded SAND with CLAY (or SILTY CLAY) Poorly graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL)
SM	SILTY SAND SILTY SAND with GRAVEL
SC	CLAYEY SAND CLAYEY SAND with GRAVEL
SC-SM	SILTY, CLAYEY SAND SILTY, CLAYEY SAND with GRAVEL
PT	PEAT
	COBBLES COBBLES and BOULDERS BOULDERS

Graphic / Symbol	Group Names
CL	Lean CLAY Lean CLAY with SAND Lean CLAY with GRAVEL SANDY lean CLAY SANDY lean CLAY with GRAVEL GRAVELLY lean CLAY GRAVELLY lean CLAY with SAND
CL-ML	SILTY CLAY SILTY CLAY with SAND SILTY CLAY with GRAVEL SANDY SILTY CLAY SANDY SILTY CLAY with GRAVEL GRAVELLY SILTY CLAY GRAVELLY SILTY CLAY with SAND
ML	SILT SILT with SAND SILT with GRAVEL SANDY SILT SANDY SILT with GRAVEL GRAVELLY SILT GRAVELLY SILT with SAND
OL	ORGANIC lean CLAY ORGANIC lean CLAY with SAND ORGANIC lean CLAY with GRAVEL SANDY ORGANIC lean CLAY SANDY ORGANIC lean CLAY with GRAVEL GRAVELLY ORGANIC lean CLAY GRAVELLY ORGANIC lean CLAY with SAND
OL	ORGANIC SILT ORGANIC SILT with SAND ORGANIC SILT with GRAVEL SANDY ORGANIC SILT SANDY ORGANIC SILT with GRAVEL GRAVELLY ORGANIC SILT GRAVELLY ORGANIC SILT with SAND
CH	Fat CLAY Fat CLAY with SAND Fat CLAY with GRAVEL SANDY fat CLAY SANDY fat CLAY with GRAVEL GRAVELLY fat CLAY GRAVELLY fat CLAY with SAND
MH	Elastic SILT Elastic SILT with SAND Elastic SILT with GRAVEL SANDY elastic SILT SANDY elastic SILT with GRAVEL GRAVELLY elastic SILT GRAVELLY elastic SILT with SAND
OH	ORGANIC fat CLAY ORGANIC fat CLAY with SAND ORGANIC fat CLAY with GRAVEL SANDY ORGANIC fat CLAY SANDY ORGANIC fat CLAY with GRAVEL GRAVELLY ORGANIC fat CLAY GRAVELLY ORGANIC fat CLAY with SAND
OH	ORGANIC elastic SILT ORGANIC elastic SILT with SAND ORGANIC elastic SILT with GRAVEL SANDY elastic ELASTIC SILT SANDY ORGANIC elastic SILT with GRAVEL GRAVELLY ORGANIC elastic SILT GRAVELLY ORGANIC elastic SILT with SAND
OL/OH	ORGANIC SOIL ORGANIC SOIL with SAND ORGANIC SOIL with GRAVEL SANDY ORGANIC SOIL SANDY ORGANIC SOIL with GRAVEL GRAVELLY ORGANIC SOIL GRAVELLY ORGANIC SOIL with SAND

FIELD AND LABORATORY TESTS

C	Consolidation (ASTM D 2435-04)
CL	Collapse Potential (ASTM D 5333-03)
CP	Compaction Curve (CTM 216 - 06)
CR	Corrosion, Sulfates, Chlorides (CTM 643 - 99; CTM 417 - 06; CTM 422 - 06)
CU	Consolidated Undrained Triaxial (ASTM D 4767-02)
DS	Direct Shear (ASTM D 3080-04)
EI	Expansion Index (ASTM D 4829-03)
M	Moisture Content (ASTM D 2216-05)
OC	Organic Content (ASTM D 2974-07)
P	Permeability (CTM 220 - 05)
PA	Particle Size Analysis (ASTM D 422-63 [2002])
PI	Liquid Limit, Plastic Limit, Plasticity Index (AASHTO T 89-02, AASHTO T 90-00)
PL	Point Load Index (ASTM D 5731-05)
PM	Pressure Meter
PP	Pocket Penetrometer
R	R-Value (CTM 301 - 00)
SE	Sand Equivalent (CTM 217 - 99)
SG	Specific Gravity (AASHTO T 100-06)
SL	Shrinkage Limit (ASTM D 427-04)
SW	Swell Potential (ASTM D 4546-03)
TV	Pocket Torvane
UC	Unconfined Compression - Soil (ASTM D 2166-06) Unconfined Compression - Rock (ASTM D 2938-95)
UU	Unconsolidated Undrained Triaxial (ASTM D 2850-03)
UW	Unit Weight (ASTM D 4767-04)
VS	Vane Shear (AASHTO T 223-96 [2004])

SAMPLER GRAPHIC SYMBOLS

- Standard Penetration Test (SPT)
- Standard California Sampler
- Modified California Sampler
- Shelby Tube
- Piston Sampler
- NX Rock Core
- HQ Rock Core
- Bulk Sample
- Other (see remarks)

DRILLING METHOD SYMBOLS

- Auger Drilling
- Rotary Drilling
- Dynamic Cone or Hand Driven
- Diamond Core

WATER LEVEL SYMBOLS

- First Water Level Reading (during drilling)
- Static Water Level Reading (after drilling, date)

DEFINITIONS FOR CHANGE IN MATERIAL

Term	Definition	Symbol
Material Change	Change in material is observed in the sample or core, and the location of change can be accurately measured.	———
Estimated Material Change	Change in material cannot be accurately located because either the change is gradational or because of limitations in the drilling/sampling methods used.	- - - - - - - -
Soil/Rock Boundary	Material changes from soil characteristics to rock characteristics.	~~~~~

Ref.: Caltrans Soil and Rock Logging Classification, and Presentation Manual (2010)

GROUP DELTA

GROUP DELTA CONSULTANTS, INC. GEOTECHNICAL ENGINEERS AND GEOLOGISTS	FIGURE NUMBER A-0b
PROJECT NAME	PROJECT NUMBER

BORING RECORD LEGEND

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Elizabeth Learning Center	LA-1321	**B-1**

SITE LOCATION	START	FINISH	SHEET NO.
4811 Elizabeth Street, Cudahy, CA	4/14/2017	4/14/2017	1 of 3

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
2R Drilling	CME 85	Hollow Stem Auger	KM	ET

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Hammer: 140 lbs., Drop: 30 in.		8	71.5	130	▽ NE / *NM* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, ModCAL, SPT		▼ / *NM* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
			Bulk-1												2" Asphalt, 3" Base **FILL** SANDY CLAY (CL); dark brown; mostly fines; some medium SAND; low to medium plasticity.
			R-2	9 14 14	28				6.6	98					**NATIVE** Poorly-graded SAND (SP); light brown; mostly fine to medium SAND; nonplastic.
5	125		R-3	6 9 10	19				8.5	106					Poorly-graded SAND with SILT (SP-SM); medium dense; brown; moist; mostly fine SAND; little medium SAND; trace coarse SAND; nonplastic; brick fragments; trace mica. SILTY SAND (SM); medium dense; light brown; mostly fine to medium SAND; nonplastic.
			R-4	4 6 9	15										- Loose.
10	120		R-5	4 6 10	16				8.9	101		PA			- Increase in grain size. 83% SAND; 17% fines. Poorly-graded SAND with SILT (SP-SM); medium dense; light brown; moist; mostly medium SAND; few fines; nonplastic. - Loose.
			S-6-2 S-6-1	4 4 5	9				18.0						SILT (ML); stiff; brown; moist; mostly fines; few fine SAND; nonplastic.
15	115		R-7	6 10 11	21										-Medium dense. Poorly-graded SAND with SILT (SP-SM); medium dense; brown; moist; mostly fine SAND; few fines; nonplastic; trace mica.
20	110		S-8	4 6 6	12				14.5						SANDY SILT (ML); medium dense; dark brown; moist; mostly fines; some fine to medium SAND; nonplastic to low plasticity.

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THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE
A-1 a

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Elizabeth Learning Center	LA-1321	**B-1**

SITE LOCATION	START	FINISH	SHEET NO.
4811 Elizabeth Street, Cudahy, CA	4/14/2017	4/14/2017	2 of 3

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
2R Drilling	CME 85	Hollow Stem Auger	KM	ET

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Hammer: 140 lbs., Drop: 30 in.		8	71.5	130	▽ NE / *NM* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, ModCAL, SPT		▼ / *NM* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
			R-9	9 15 25	40										SILTY SAND (SM); medium dense; brown; moist; mostly fine to medium SAND; nonplastic.
															Poorly-graded SAND (SP); medium dense; moist; yellow brown; mostly medium SAND; nonplastic.
30	100														- Light brown; oxidized; mostly fine to medium SAND.
			S-10-2 S-10-1	5 4 5	9							PI			SILT (ML); stiff to very stiff; moist; gray; medium plasticity. PP=1.5 to 2.5 tsf
35	95														
			R-11	10 11 12	23										Poorly-graded SAND with CLAY (SP-SC); medium dense; gray; moist; mostly medium SAND; few fines; nonplastic. Lean CLAY with SAND (CL); stiff; gray; moist; little fine SAND; low to medium plasticity. PP=1.5 tsf
40	90														
			S-12	6 8 9	17										Poorly-graded SAND (SP); medium dense; gray; wet; mostly medium SAND; nonplastic.
45	85														
			R-13	4 6 12	18				32.8	89					Lean CLAY (CL); stiff; moist; dark gray; medium to high plasticity. PP=1.5 to 1.75 tsf

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FIGURE
A-1 b

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Elizabeth Learning Center	LA-1321	**B-1**

SITE LOCATION	START	FINISH	SHEET NO.
4811 Elizabeth Street, Cudahy, CA	4/14/2017	4/14/2017	3 of 3

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
2R Drilling	CME 85	Hollow Stem Auger	KM	ET

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Hammer: 140 lbs., Drop: 30 in.		8	71.5	130	▽ NE / *NM* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, ModCAL, SPT		AFTER DRILLING ▼ / *NM*

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
			S-14	3 5 8	13										- trace fine SAND; trace mica.
55	75		R-15	7 10 10	20										SILTY CLAY (CL-ML); very stiff; dary gray; moist; low plasticity. PP=2.75 tsf Lean CLAY (CL); stiff; dark gray; moist; medium to high plasticity. PP=1.5 tsf
60	70		S-16	7 9 11	20										Poorly-graded SAND (SP); medium dense; dark gray; moist; mostly medium SAND; nonplastic.
65	65		R-17	14 18 29	47										SILT with SAND (ML); dense to very stiff; dark gray; moist; mostly fines; few fine SAND; trace mica. PP=2.0 to 2.25 tsf Poorly-graded SAND (SP); dense; dark gray; moist; mostly medium SAND; nonplastic.
70	60		S-18	6 8 10	18										Lean CLAY (CL); stiff; dark gray; moist; medium to high plasticity.
															Boring terminated at 71.5 feet. Perched water encountered at 42'-10". Groundwater not encountered. Backfill with soil cuttings and tamped, asphalt patched.

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FIGURE
A-1 c

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Elizabeth Learning Center	LA-1321	**B-3**

SITE LOCATION	START	FINISH	SHEET NO.
4811 Elizabeth Street, Cudahy, CA	4/14/2017	4/14/2017	1 of 3

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
2R Drilling	CME 85	Hollow Stem Auger	KM	ET

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Hammer: 140 lbs., Drop: 30 in.		8	51.5	130	▽ NE / *NM* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	AFTER DRILLING
Bulk, ModCAL, SPT		▼ / *NM*

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
															2" Asphalt, 5" Base
			Bulk-1						5.2						**FILL** SANDY CLAY (CL); dark brown; moist; mostly fines; some medium SAND; low to medium Plasticity.
			R-2	10 12 13	25										**NATIVE** Poorly-graded SAND (SP); medium dense; light brown; moist; mostly medium SAND; nonplastic.
5	125		R-3	5 9 10	19										- Increase in grain size.
			R-4	9 8 10	18				8.2	93					
10	120		R-5	5 10 13	23										Poorly-graded SAND with SILT (SP-SM); dense; orange, light brown; moist; mostly medium SAND; few fines; nonplastic; trace mica.
			R-6	5 10 14	24										Poorly-graded SAND (SP); medium dense; light brown; moist; mostly medium SAND; nonplastic.
15	115		S-7	5 5 6	11							PA			SILTY SAND (SM); medium dense; orange brown; moist; mostly medium SAND; some fine SAND; some fines; nonplastic. 42% SAND; 58% fines.
20	110		R-8	9 16 21	37				13.3	118					SILT with SAND (ML); medium dense to very stiff; moist; brown; mostly fines; few fine SAND; nonplastic to low

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FIGURE
A-2 a

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Elizabeth Learning Center	LA-1321	**B-3**

SITE LOCATION	START	FINISH	SHEET NO.
4811 Elizabeth Street, Cudahy, CA	4/14/2017	4/14/2017	2 of 3

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
2R Drilling	CME 85	Hollow Stem Auger	KM	ET

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Hammer: 140 lbs., Drop: 30 in.		8	51.5	130	▽ NE / *NM* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, ModCAL, SPT		AFTER DRILLING ▼ / *NM*

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
			S-9-2	5	18				20.2						plasticity.
			S-9-1	8 10					8.9						Poorly-graded SAND (SP); medium dense; light brown; moist; mostly fine to medium SAND; nonplastic.
30	100		R-10	9 15 20	35										- Light brown; oxidized; mostly fine SAND.
35	95		S-11-2	3	10										SILTY CLAY (CL-ML); very stiff; light brown; trace to few fine SAND; low plasticity. PP=1.75 tsf
			S-11-1	5 5											Lean CLAY (CL); very stiff; dark gray; medium plasticity. PP=1.5 to 1.75 tsf
40	90		R-12	10 19 26	45				18.6	104					Poorly-graded SAND with SILT (SP-SM); medium dense; light brown, gray; moist; mostly medium SAND; few fines; nonplastic.
45	85		S-13	2 5 8	13										Lean CLAY (CL); stiff to very stiff; dark gray; trace SILT; low to medium plasticity. PP=1.0 to 2.5 tsf

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FIGURE
A-2 b

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Elizabeth Learning Center	LA-1321	**B-3**

SITE LOCATION	START	FINISH	SHEET NO.
4811 Elizabeth Street, Cudahy, CA	4/14/2017	4/14/2017	3 of 3

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
2R Drilling	CME 85	Hollow Stem Auger	KM	ET

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Hammer: 140 lbs., Drop: 30 in.		8	51.5	130	▽ NE / *NM* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, ModCAL, SPT		AFTER DRILLING ▼ / *NM*

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
			R-14	4 6 12	18										- High plasticity. PP=1.5 tsf
55	75														Boring terminated at 51.5 feet. Perched water encountered at 42'-10". Groundwater not encountered. Backfill with soil cuttings and tamped, asphalt patched.
60	70														
65	65														
70	60														

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THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE
A-2 c

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Elizabeth Learning Center	LA-1321	**B-6**

SITE LOCATION	START	FINISH	SHEET NO.
4811 Elizabeth Street, Cudahy, CA	4/14/2017	4/14/2017	1 of 3

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
2R Drilling	CME 85	Hollow Stem Auger	KM	ET

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Hammer: 140 lbs., Drop: 30 in.		8	71.5	129	▽ NE / *NM* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	AFTER DRILLING
Bulk, ModCAL, SPT		▼ / *NM*

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
															3" Asphalt, 7" Base
			Bulk-1						7.4			EI CR			**FILL** SANDY CLAY (CL); dark brown; moist; mostly fines; some medium SAND; low to medium plasticity.
	125		Bulk-2												**NATIVE** Poorly-graded SAND (SP); light brown; moist; mostly fine SAND; nonplastic.
5			R-2	7 9 13	22										- Medium dense.
			R-3	5 6 9	15				6.0	101					- Increase in grain size.
	120														
10			R-4	5 7 10	17										
			R-5	5 6 11	17				19.9		0:0	PI			Poorly-graded SAND with SILT (SP-SM); medium dense; brown; moist; mostly fine to medium SAND; few fines; trace clay; nonplastic. Lean CLAY (CL); stiff; brown; medium plastic
	115														
15			S-6	2 2 4	6										SILT (ML); stiff; brown; trace to few fine SAND; low plasticity.
	110														
20			R-7	5 6 9	15				23.4	103					- Olive brown.
	105														

GDC_LOG_BORING_2013 LA1321 B-1,B-3,B-6,B-8.GPJ GDC2013.GDT 5/9/17

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370 Amapola Ave, Suite 212
Torrance, CA 90501

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FIGURE
A-3 a

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Elizabeth Learning Center	LA-1321	**B-6**

SITE LOCATION	START	FINISH	SHEET NO.
4811 Elizabeth Street, Cudahy, CA	4/14/2017	4/14/2017	2 of 3

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
2R Drilling	CME 85	Hollow Stem Auger	KM	ET

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Hammer: 140 lbs., Drop: 30 in.		8	71.5	129	▽ NE / *NM* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, ModCAL, SPT		▼ / *NM* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
			S-8	4 5 7	12										- Gray; less SAND, finer grain size.
	100														
30			R-9	5 7 9	16										SANDY CLAY (CL); stiff; gray; mostly fines; some fine SAND; medium plasticity.
															Poorly-graded SAND (SP); gray; moist; mostly fine SAND; nonplastic.
	95														
35			S-10	6 3 6	9										- Loose; mostly medium SAND. - Thin interbedd of SANDY SILT (ML); gray; some fine SAND; nonplastic to low plasticity. PP=1.75 to 2.0 tsf
	90														
40			R-11	17 26 34	60										- Gray, light brown; mostly medium SAND. - Mostly fine to medium SAND.
	85														
45			S-12-2 S-12-1	5 10 14	24										SANDY SILT (ML); medium dense to very stiff; gray; wet; some fine SAND; nonplastic to low plasticity. PP=2.25 tsf Poorly-graded SAND with SILT (SP-SM); medium dense; gray; wet; mostly fine SAND; few medium SAND; few fines; nonplastic.
	80														

GDC_LOG_BORING_2013 LA1321 B-1,B-3,B-6,B-8.GPJ GDC2013.GDT 5/9/17

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FIGURE
A-3 b

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Elizabeth Learning Center	LA-1321	**B-6**

SITE LOCATION	START	FINISH	SHEET NO.
4811 Elizabeth Street, Cudahy, CA	4/14/2017	4/14/2017	3 of 3

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
2R Drilling	CME 85	Hollow Stem Auger	KM	ET

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Hammer: 140 lbs., Drop: 30 in.		8	71.5	129	▽ NE / *NM* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, ModCAL, SPT		AFTER DRILLING ▼ / *NM*

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
			R-13	5 7 11	18				20.5	108					SANDY CLAY (CL); stiff; gray; mostly fines; some fine SAND; low to medium plasticity.
	75														
55			S-14	6 9 11	20										Poorly-graded SAND (SP); medium dense; gray; wet; mostly medium SAND; trace coarse SAND; nonplastic.
	70														
60			R-15	13 30 38	68										- Mostly medium SAND.
	65														Poorly-graded SAND with SILT (SP-SM); medium dense; gray; mostly medium SAND; few fines; nonplastic.
65			S-16-2 S-16-1	6 5 8	13										Lean CLAY (CL); stiff; gray; medium to high plasticity; trace mica. PP=1.5 tsf
	60														
70			R-17	15 30 45	75				19.6	109					Poorly-graded SAND (SP); very dense; gray; wet; mostly medium SAND; trace mica; nonplastic.
	55														Boring terminated at 71.5 feet. Groundwater not encountered. Backfill with soil cuttings and tamped, asphalt patched.

GDC_LOG_BORING_2013 LA1321 B-1,B-3,B-6,B-8.GPJ GDC2013.GDT 5/9/17

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FIGURE
A-3 c

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Elizabeth Learning Center	LA-1321	**B-8**

SITE LOCATION	START	FINISH	SHEET NO.
4811 Elizabeth Street, Cudahy, CA	4/14/2017	4/14/2017	1 of 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
2R Drilling	CME 85	Hollow Stem Auger	KM	ET

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Hammer: 140 lbs., Drop: 30 in.		8	31.5	130	▽ NE / *NM* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, ModCAL, SPT		▼ / *NM* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
															3" Asphalt, 7" Base
															FILL SANDY CLAY (CL); dark brown; moist; some medium SAND; low to medium plasticity.
			Bulk-1						7.7						Poorly-graded SAND with SILT (SP-SM); yellow, light brown; moist; mostly fine SAND; few fines; nonplastic.
5	125		R-2	7 8 11	19										Poorly-graded SAND (SP); medium dense; light brown; moist; mostly medium SAND; nonplastic.
			R-3	5 8 11	19										Poorly-graded SAND with SILT (SP-SM) with thin interbeds of Lean CLAY (CL). Poorly-graded SAND with SILT (SP-SM); medium dense; brown; moist; mostly medium SAND; few fines; nonplastic. Lean CLAY (CL); brown; low plasticity.
10	120		R-4	5 5 5	10				6.1	99					
			S-5	4 4 5	9										SANDY SILT (ML); loose; brown; moist; some fine SAND; trace to few medium SAND; low plasticity; trace mica.
15	115		R-6	5 6 11	17				15.8	111					
20	110		S-7	3 4 4	8							PA			SANDY SILT (ML); stiff to very stiff; brown; moist; mostly fines; few fine SAND; low plasticity; trace mica. 52% fines; 48% SAND.

GDC_LOG_BORING_2013 LA1321 B-1,B-3,B-6,B-8.GPJ GDC2013.GDT 5/9/17

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FIGURE
A-4 a

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Elizabeth Learning Center	LA-1321	**B-8**

SITE LOCATION	START	FINISH	SHEET NO.
4811 Elizabeth Street, Cudahy, CA	4/14/2017	4/14/2017	2 of 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
2R Drilling	CME 85	Hollow Stem Auger	KM	ET

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Hammer: 140 lbs., Drop: 30 in.		8	31.5	130	▽ NE / *NM* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, ModCAL, SPT		▼ / *NM* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
			R-8	7 9 24	33										- Very Stiff; oxidized; trace fine SAND.
															Poorly-graded SAND with SILT (SP-SM); medium dense; brown; moist; mostly fine SAND; few fines; nonplastic; trace mica.
															SANDY CLAY (CL); stiff to very stiff; brown; moist; mostly fines; some fine SAND; low to medium plasticity; trace mica.
30	100		S-9	2 5 6	11				23.2						
															Boring terminated at 31.5 feet. Groundwater not encountered. Backfill with soil cuttings and tamped, asphalt patched.
35	95														
40	90														
45	85														

GDC_LOG_BORING_2013 LA1321 B-1,B-3,B-6,B-8.GPJ GDC2013.GDT 5/9/17

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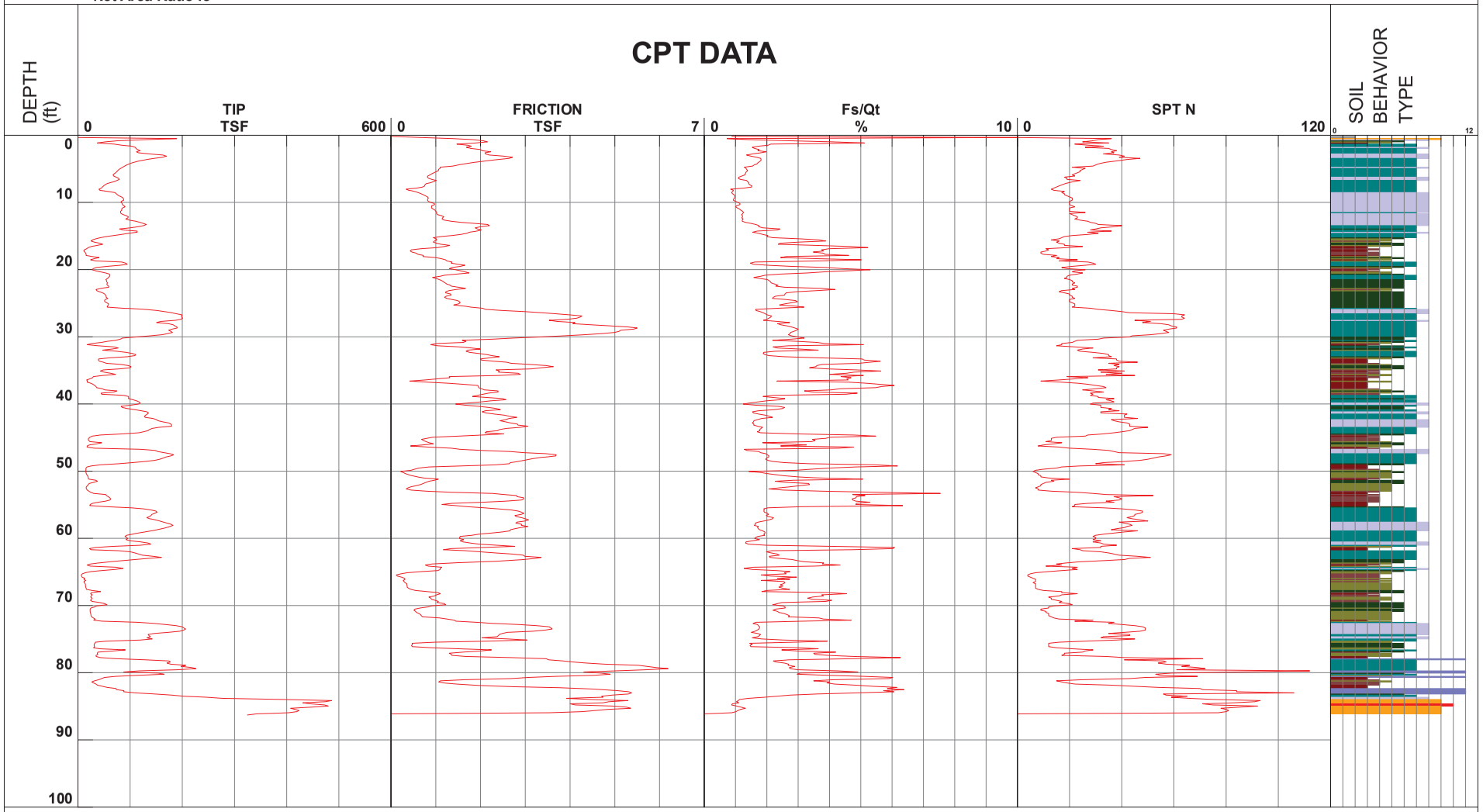
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FIGURE
A-4 b

Group Delta

Project	Elizabeth Learning Center	Operator	RC JM	Filename	SDF(722).cpt
Job Number	LA1321	Cone Number	DDG1281	GPS	
Hole Number	CPT-02	Date and Time	4/14/2017 11:19:55 AM	Maximum Depth	86.29 ft
EST GW Depth During Test		48.40 ft			

Net Area Ratio .8



1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 10cm squared

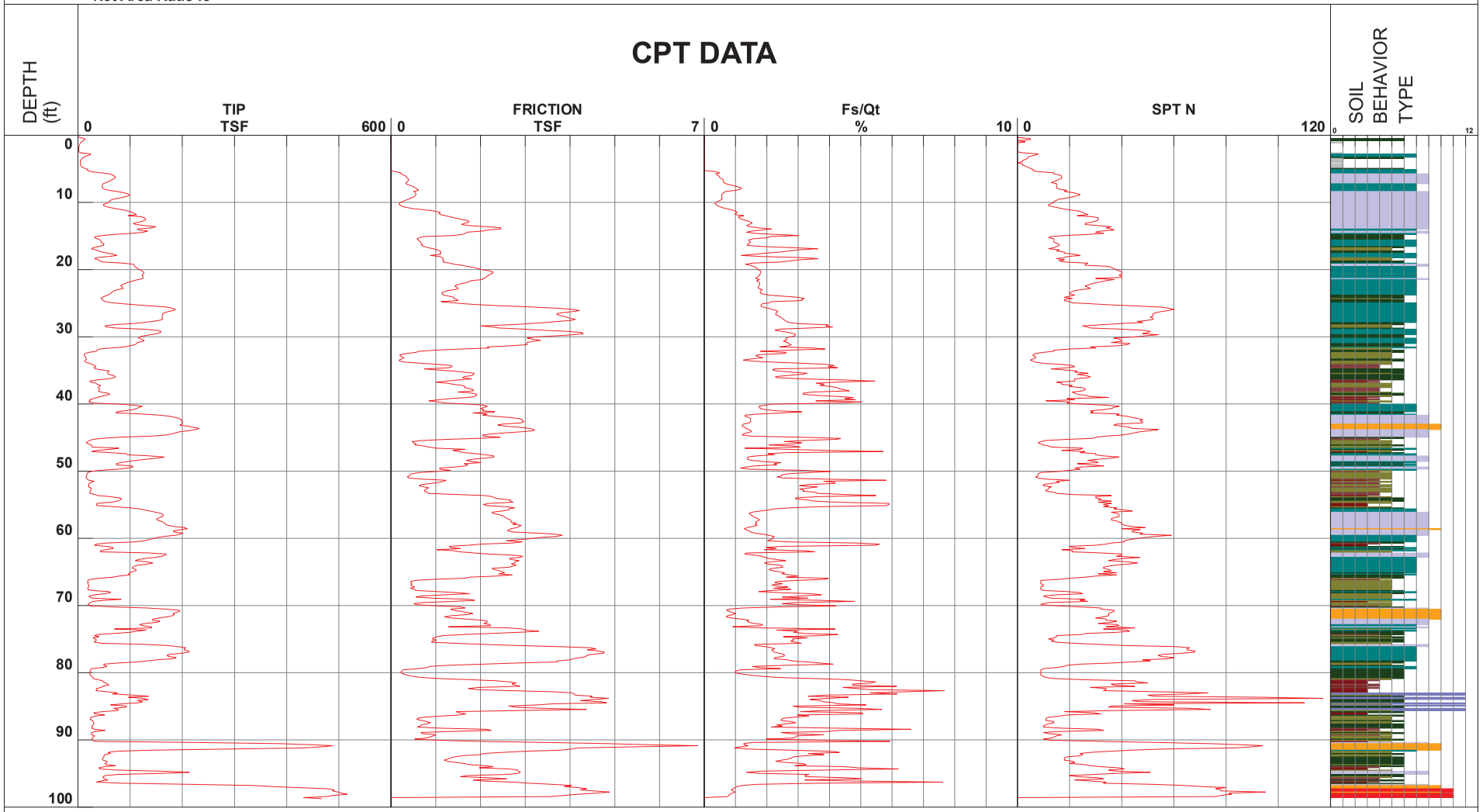
S*Soil behavior type and SPT based on data from UBC-1983

Figure A-5

Group Delta

Project	Elizabeth Learning Center	Operator	RC JM	Filename	SDF(723).cpt
Job Number	LA1321	Cone Number	DDG1281	GPS	
Hole Number	CPT-04	Date and Time	4/14/2017 12:55:50 PM	Maximum Depth	98.75 ft
EST GW Depth During Test		50.00 ft			

Net Area Ratio .8



1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 10cm squared

S*Soil behavior type and SPT based on data from UBC-1983

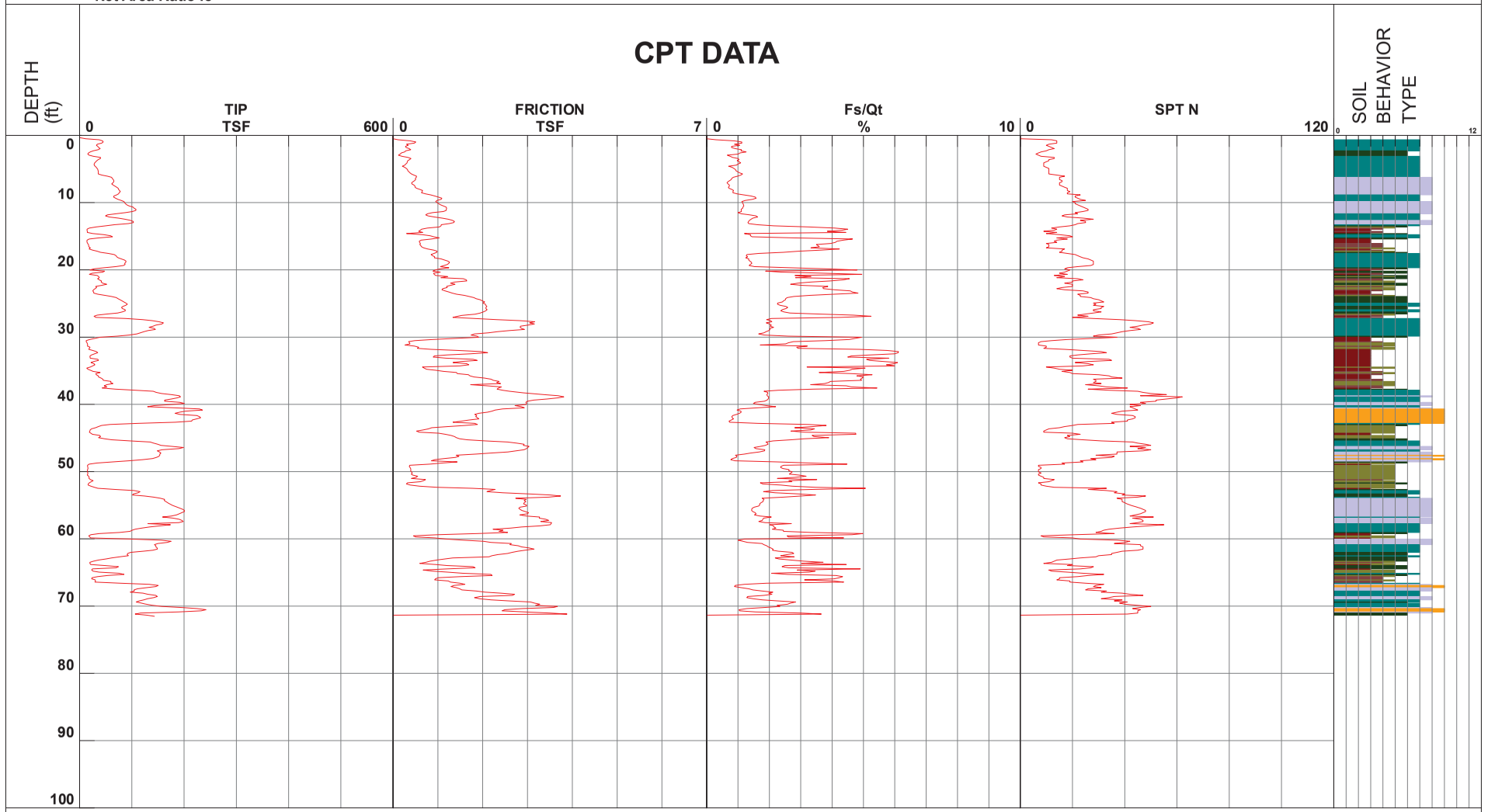
Figure A-6

Group Delta

Project	Elizabeth Learning Center	Operator	RC JM	Filename	SDF(724).cpt
Job Number	LA1321	Cone Number	DDG1281	GPS	
Hole Number	CPT-05	Date and Time	4/14/2017 2:46:15 PM	Maximum Depth	71.52 ft
EST GW Depth During Test		50.00 ft			

Net Area Ratio .8

CPT DATA



1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 10cm squared

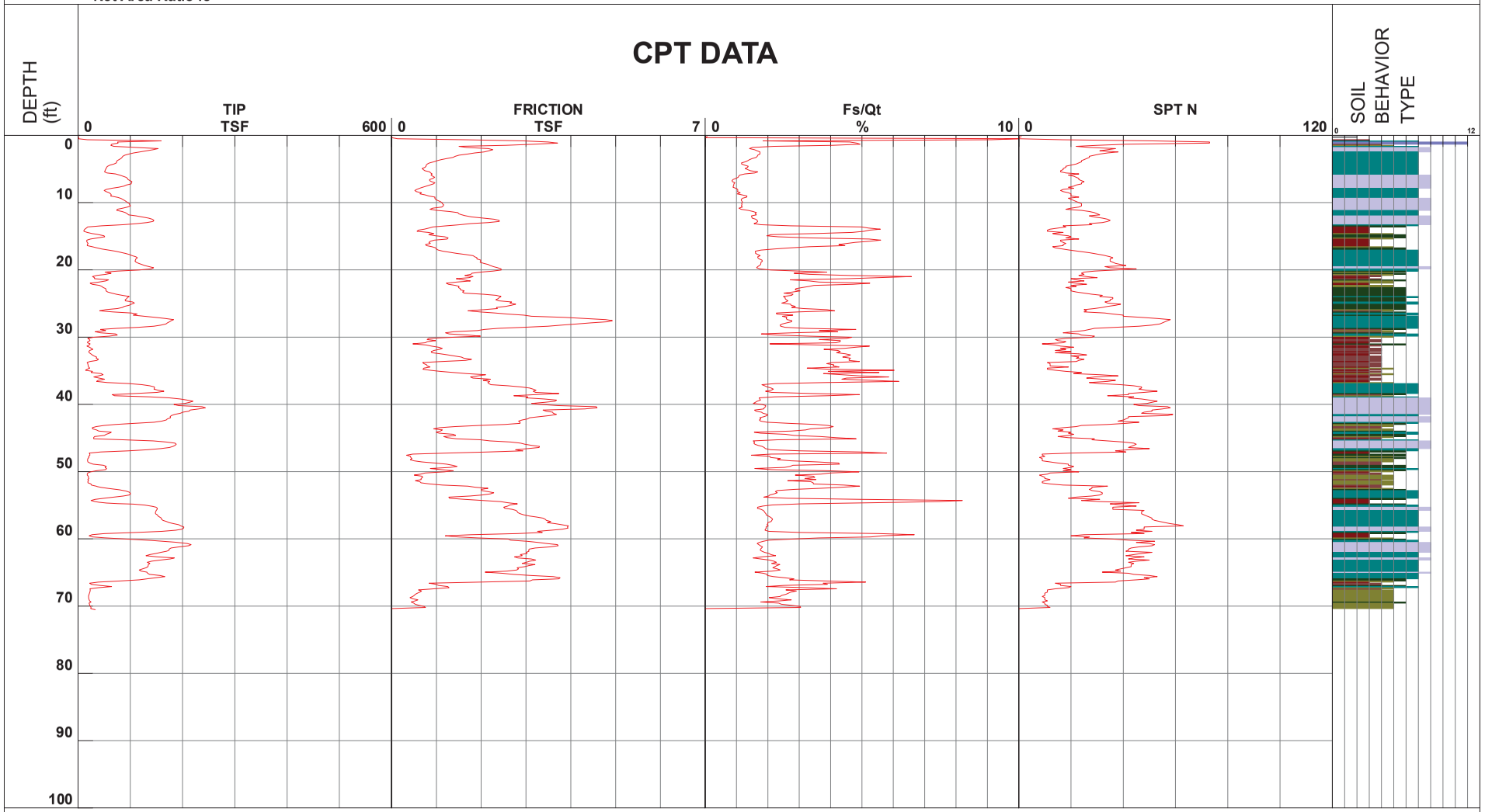
S*Soil behavior type and SPT based on data from UBC-1983

Figure A-7

Group Delta

Project	Elizabeth Learning Center	Operator	RC-JM	Filename	SDF(719).cpt
Job Number	LA1321	Cone Number	DDG1281	GPS	
Hole Number	CPT-07	Date and Time	4/14/2017 7:35:00 AM	Maximum Depth	70.54 ft
EST GW Depth During Test		50.00 ft			

Net Area Ratio .8



1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 10cm squared

S*Soil behavior type and SPT based on data from UBC-1983

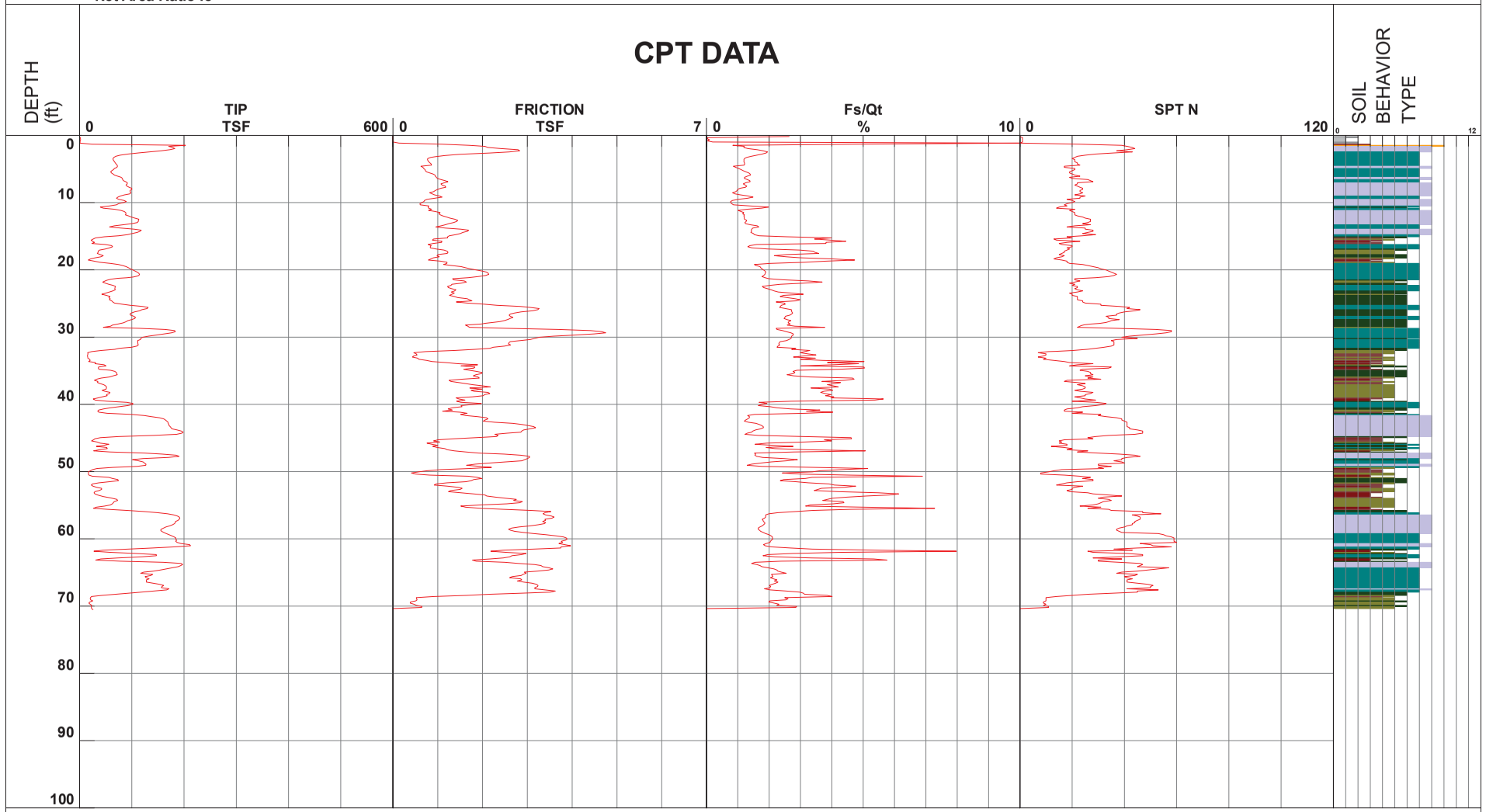
Figure A-8

Group Delta

Project	Elizabeth Learning Center	Operator	RC JM	Filename	SDF(720).cpt
Job Number	LA1321	Cone Number	DDG1281	GPS	
Hole Number	CPT-09	Date and Time	4/14/2017 8:36:07 AM	Maximum Depth	70.54 ft
EST GW Depth During Test		50.00 ft			

Net Area Ratio .8

CPT DATA



1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 10cm squared

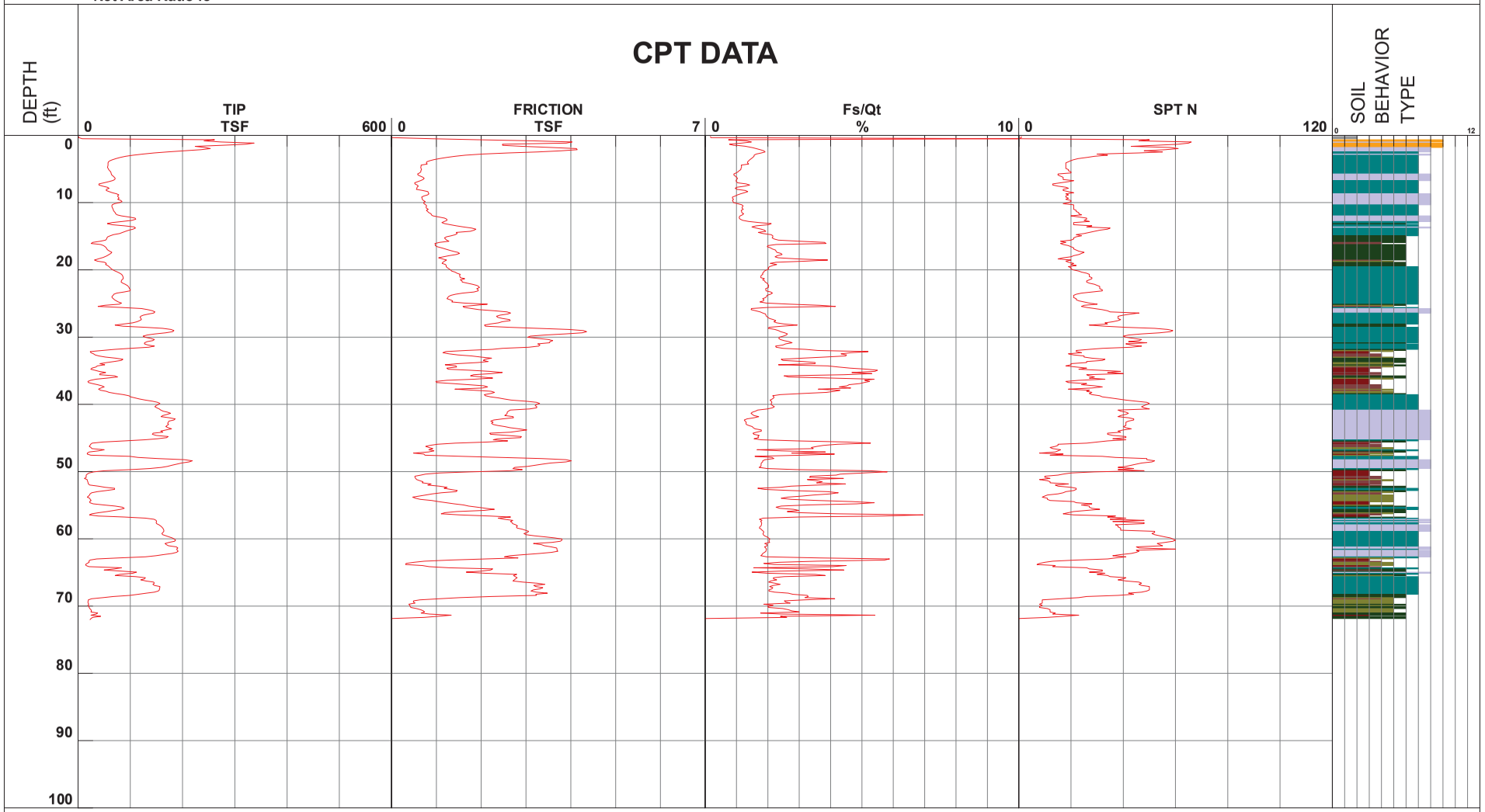
S*Soil behavior type and SPT based on data from UBC-1983

Figure A-9

Group Delta

Project	Elizabeth Learning Center	Operator	RC JM	Filename	SDF(721).cpt
Job Number	LA1321	Cone Number	DDG1281	GPS	
Hole Number	CPT-10	Date and Time	4/14/2017 9:51:31 AM	Maximum Depth	72.01 ft
EST GW Depth During Test		50.00 ft			

Net Area Ratio .8



1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 10cm squared

S*Soil behavior type and SPT based on data from UBC-1983

Figure A-10

ATTACHMENTS

Leighton 2006 Investigation

GEOTECHNICAL BORING LOG B-1

Date 8-11-06 **Sheet** 1 **of** 2

Project Elizabeth Learning Center **Project No.** 601506-001

Drilling Co. Martini Drilling Corporation **Type of Rig** CME 75

Hole Diameter 8 inches **Drive Weight** 140lb Autohammer **Drop** 30"

Elevation Top of Hole ±129' **Location** See Geotechnical Map

Logged By JKG

Sampled By JKG

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
	0								@0': 3 inches asphalt over 4 inches of base.	
									Alluvium (Qal)	
				BAG-1				SP	@0.7': SAND, brown, moist, fine grained.	CR
				R-1	5 7 9			SP	@2.5': SAND, medium dense, olive brown, moist, fine grained.	
	5			R-2	3 5 8	97.5	24.9	SP	@5': Same as above, loose.	DS
				R-3	4 6 10	97.0	7.2	SP	@7.5': Same as above, medium dense.	
	10			S-1	2 3 3			SP	@10': Same as above, loose.	
	15			R-4	6 11 14	116.9	14.5	SP	@15': Same as above, medium dense.	
				S-2	2 3 5			CL-SC	@16.5': Sandy CLAY to Clayey SAND, medium stiff to loose, olive gray, moist, low plasticity, fine grained sand.	
	20			S-3	3 2 3			SP	@20': SAND, loose, olive gray, moist, fine grained, interbedded with CLAY, gray, moist, low plasticity.	
	25			R-5	4 5 10	108.6	17.5	SP	@25': SAND, medium dense, olive gray, moist, fine grained.	
				S-4	4 5 4			SP	@26.5': Same as above, loose.	
	30									

SAMPLE TYPES:

- S SPLIT SPOON
- R RING SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE
- G GRAB SAMPLE
- C CORE SAMPLE

TYPE OF TESTS:

- DS DIRECT SHEAR
- MD MAXIMUM DENSITY
- CN CONSOLIDATION
- CR CORROSION
- SA SIEVE ANALYSIS
- AL ATTERBERG LIMITS
- EI EXPANSION INDEX
- RV R-VALUE



LEIGHTON CONSULTING, INC.

GEOTECHNICAL BORING LOG B-1

Date 8-11-06 **Sheet** 2 **of** 2

Project Elizabeth Learning Center **Project No.** 601506-001

Drilling Co. Martini Drilling Corporation **Type of Rig** CME 75

Hole Diameter 8 inches **Drive Weight** 140lb Autohammer **Drop** 30"

Elevation Top of Hole ±129' **Location** See Geotechnical Map

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION (Logged By JKG; Sampled By JKG)	Type of Tests
	30			S-5	6 6 3			ML	@30': Clayey SILT, stiff, olive gray, moist, low plasticity.	SA
	35			R-6	6 7 10	106.7	19.9	ML	@35': Same as above.	
	40			S-6	7 13 17			SP	@40': SAND, dense, gray, very moist, fine to medium grained.	
	45			R-7	6 19 15	100.6	26.3	SC	@45': Clayey SAND, medium dense, blue-gray, fine grained.	
	50			S-7	3 3 4			CL	@50': Sandy CLAY, medium stiff, blue-gray, very moist, fine grained, low plasticity.	
									Total depth of boring: 51.5 feet. No free groundwater encountered during drilling. Hole backfilled with soil cuttings.	
	55									
	60									

SAMPLE TYPES:

- S SPLIT SPOON
- R RING SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE
- G GRAB SAMPLE
- C CORE SAMPLE

TYPE OF TESTS:

- DS DIRECT SHEAR
- MD MAXIMUM DENSITY
- CN CONSOLIDATION
- CR CORROSION
- SA SIEVE ANALYSIS
- AL ATTERBERG LIMITS
- EI EXPANSION INDEX
- RV R-VALUE



LEIGHTON CONSULTING, INC.

GEOTECHNICAL BORING LOG B-2

Date 8-11-06 **Sheet** 1 **of** 2

Project Elizabeth Learning Center **Project No.** 601506-001

Drilling Co. Martini Drilling Corporation **Type of Rig** CME 75

Hole Diameter 8 inches **Drive Weight** 140lb Autohammer **Drop** 30"

Elevation Top of Hole ±130' **Location** See Geotechnical Map

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
	0								Logged By JKG Sampled By JKG	
									@0': 2 inches asphalt over 3 inches base. **Alluvium (Qal)**	
				BAG-1				SP	@0.5': SAND, brown, moist, fine grained, some silt.	RV
				R-1	10 14 16			SP	@2.5': SAND, medium dense, light olive brown, moist, fine grained.	
	5			R-2	4 7 10	100.1	23.7	SP	@5': Same as above.	DS
				R-3	5 9 10	95.9	3.9	SP	@7.5': Same as above, light tan, fine to medium grained.	
	10			R-4	5 11 15	107.9	6.9	SP	@10': Same as above, light olive brown, fine grained.	
	15			S-1	2 3 4			SC	@15': Clayey SAND, loose, olive, moist, fine grained, low plasticity clay.	
	20			R-5	10 10 11	105.2	10.4	SC	@20': Same as above, medium dense.	
				S-2	1 2 3			ML	@21.5': Sandy SILT, medium stiff, olive, moist, low plasticity, fine grained.	
	25			S-3	1 3 6			ML	@25': Same as above.	SA
	30									

SAMPLE TYPES:

- S SPLIT SPOON
- R RING SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE
- G GRAB SAMPLE
- C CORE SAMPLE

TYPE OF TESTS:

- DS DIRECT SHEAR
- MD MAXIMUM DENSITY
- CN CONSOLIDATION
- CR CORROSION
- SA SIEVE ANALYSIS
- AL ATTERBERG LIMITS
- EI EXPANSION INDEX
- RV R-VALUE



LEIGHTON CONSULTING, INC.

GEOTECHNICAL BORING LOG B-2

Date 8-11-06 **Sheet** 2 **of** 2

Project Elizabeth Learning Center **Project No.** 601506-001

Drilling Co. Martini Drilling Corporation **Type of Rig** CME 75

Hole Diameter 8 inches **Drive Weight** 140lb Autohammer **Drop** 30"

Elevation Top of Hole ±130' **Location** See Geotechnical Map

Logged By JKG

Sampled By JKG

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
	30			R-6	11 17 17	88.4	24.6	SC	@30': Clayey SAND to Silty SAND, medium dense, olive, moist, fine grained.	
				S-4	2 3 4			ML	@31.5': Clayey SILT to Sandy SILT, medium stiff, olive gray, very moist, low plasticity, fine grained sand.	
	35			S-5	2 4 4			ML	@35': Same as above, very moist.	
	40			R-7	6 12 23	109.2	19.8	SP	@40': SAND, medium dense, olive gray, very moist, fine to medium grained.	
				S-6	6 12 17			SP	@41.5': Same as above.	
	45			S-5	2 4 5			CL	@45': Sandy CLAY, medium stiff, olive gray, wet, low plasticity, fine grained sand.	
	50			R-8	7 7 8	98.3	25.7	CL	@50': Same as above.	
									Total depth of boring: 51.5 feet. No free groundwater encountered during drilling. Hole backfilled with soil cuttings.	
	55									
	60									

SAMPLE TYPES:
- S SPLIT SPOON
- R RING SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE
- G GRAB SAMPLE
- C CORE SAMPLE

TYPE OF TESTS:
- DS DIRECT SHEAR
- MD MAXIMUM DENSITY
- CN CONSOLIDATION
- CR CORROSION
- SA SIEVE ANALYSIS
- AL ATTERBERG LIMITS
- EI EXPANSION INDEX
- RV R-VALUE

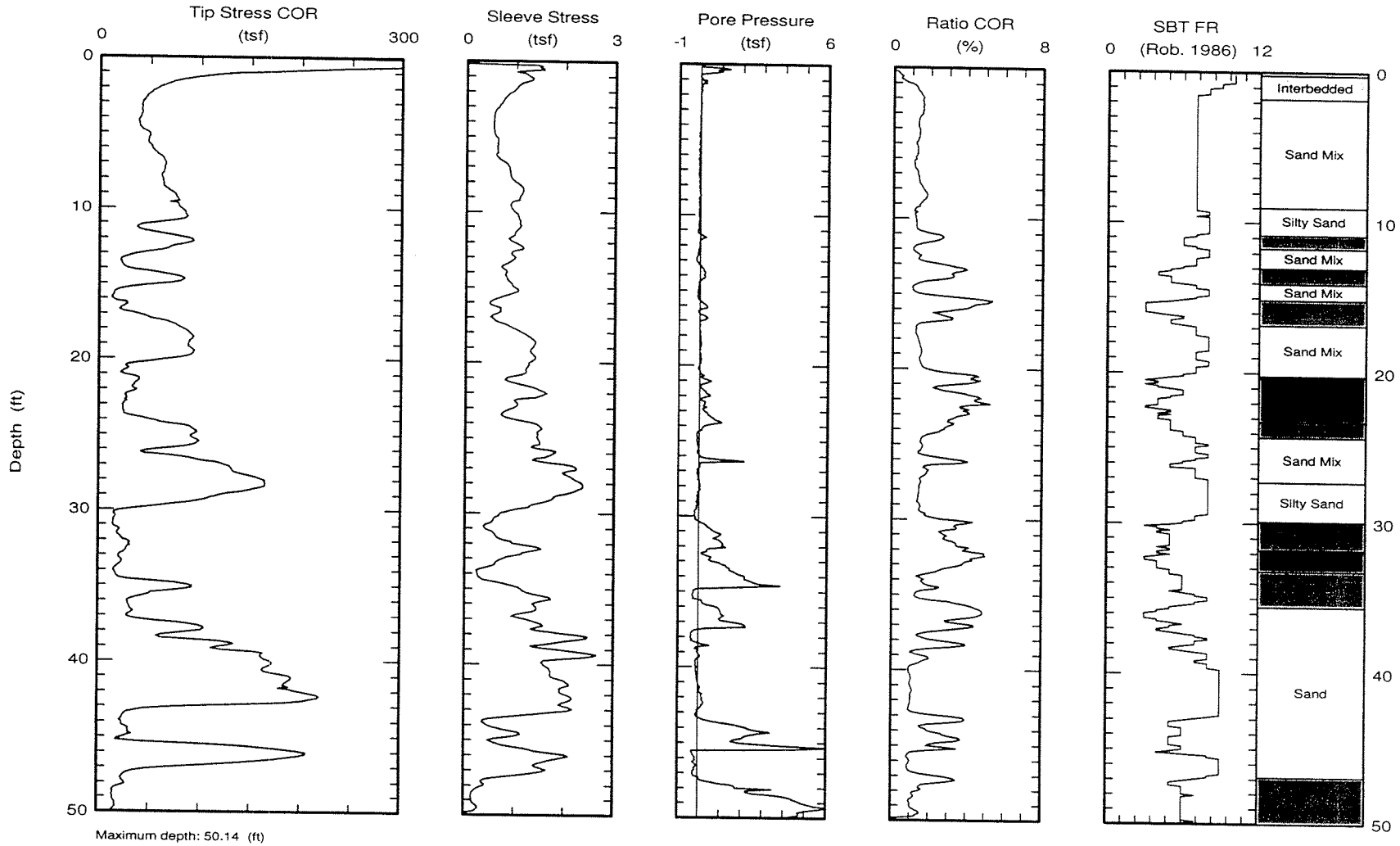


Kehoe Testing & Engineering
Office: (714) 901-7270
Fax: (714) 901-7289
skehoe@msn.com

CPT Data
30 ton rig

Date: 11/Aug/2006
Test ID: CPT-1
Project: HuntingtonPark

Client: Leighton Consulting
Job Site: Elizabeth Learning Center



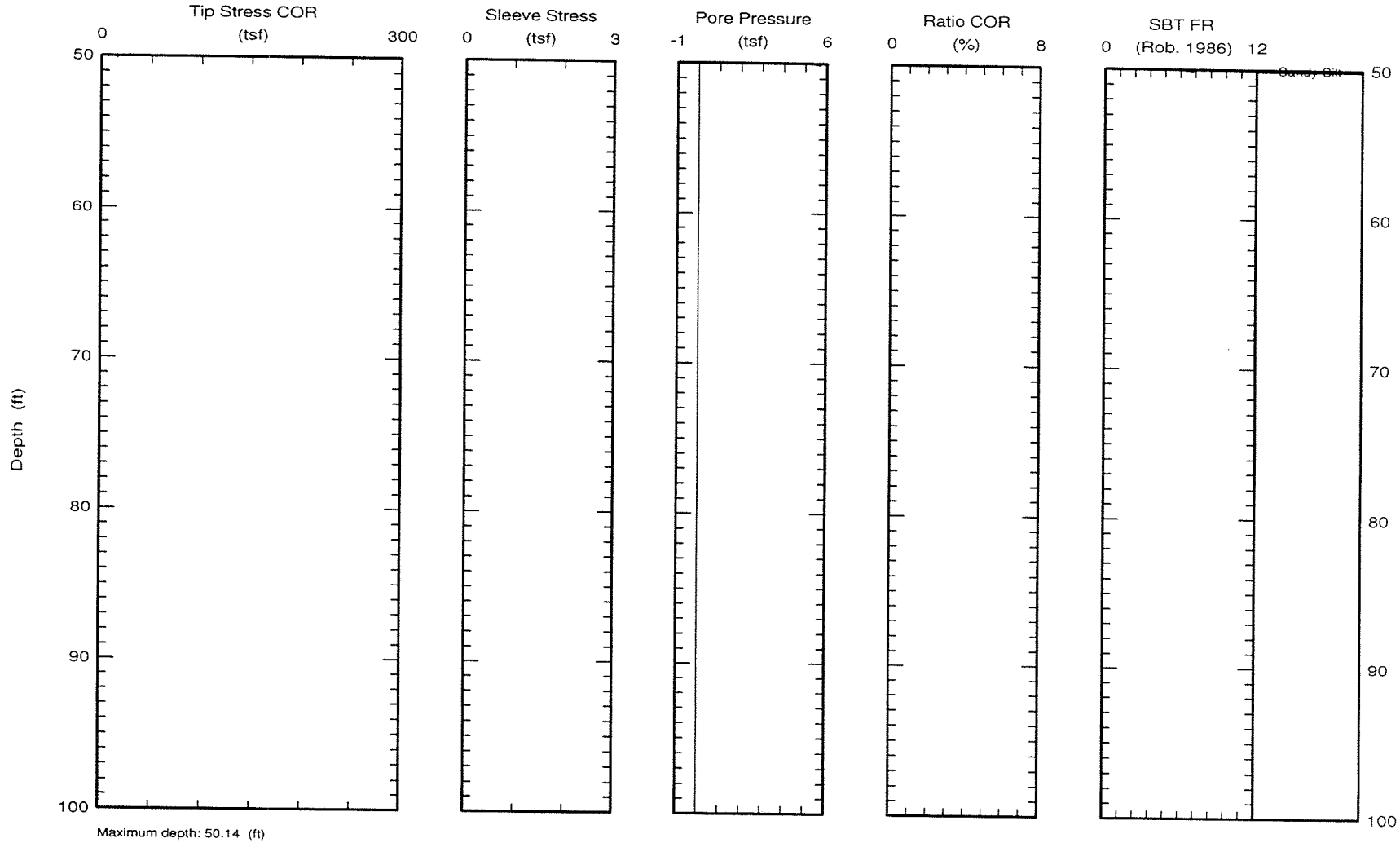
Maximum depth: 50.14 (ft)

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CPT Data
30 ton rig

Date: 11/Aug/2006
Test ID: CPT-1
Project: HuntingtonPark

Client: Leighton Consulting
Job Site: Elizabeth Learning Center



Maximum depth: 50.14 (ft)

Leighton 2007 Investigation

GEOTECHNICAL BORING LOG B-1

Date 2-15-07 **Sheet** 1 **of** 2

Project Elizabeth Learning Center **Project No.** 601506-002

Drilling Co. Martini Drilling Co. **Type of Rig** CME-75

Hole Diameter 8 inches **Drive Weight** 140 lbs Autohammer **Drop** 30"

Elevation Top of Hole 130' **Location** See Geotechnical Map

Elevation Feet	Depth Feet	Graphic Log (N–S)	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION (Logged By ACS; Sampled By SR)	Type of Tests
130	0								@ Surface: 3 inches of asphalt over Silty SAND, brown, moist. **Alluvium (Qya)**	CR, RV
				Bag-1				SP/SM	@ 2': SAND to Silty SAND, brown, moist, fine grained.	
125	5			R-1	3 5 7	97.5	16.2	SM/SP	@ 5': Top- Silty SAND with gravel, brown, loose, moist, fine to coarse sand, 1/2" gravel. Bottom- SAND, brown, loose, moist, fine grained.	DS
				R-2	3 5 7	105.6	27.3	SM/ML	@7.5': Silty SAND to Sandy SILT, brown, loose, moist, fine grained sand.	DS
120	10			S-1	2 3 2			SM	@10': Silty SAND, brown, loose, moist, fine grained sand.	
115	15			R-3	3 5 6	103.8	22.8	SM	@15': Silty SAND, brown, loose, moist, fine grained sand.	
110	20			S-2	1 3 5			SM	@20': Silty SAND, brown, loose, moist, fine grained sand.	
105	25			R-4	5 9 11	95.5	27.5	SM/ML	@25':Top- Silty SAND, , brown, medium dense, moist, fine grained sand. Bottom- Sandy SILT, brown, stiff, moist, fine grained sand.	
100	30									

SAMPLE TYPES:
- S SPLIT SPOON
- R RING SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE
- G GRAB SAMPLE
- C CORE SAMPLE

TYPE OF TESTS:
- DS DIRECT SHEAR
- MD MAXIMUM DENSITY
- CN CONSOLIDATION
- CR CORROSION
- SA SIEVE ANALYSIS
- AL ATTERBERG LIMITS
- EI EXPANSION INDEX
- RV R-VALUE



LEIGHTON CONSULTING, INC.

GEOTECHNICAL BORING LOG B-1

Date 2-15-07 **Sheet** 2 **of** 2

Project Elizabeth Learning Center **Project No.** 601506-002

Drilling Co. Martini Drilling Co. **Type of Rig** CME-75

Hole Diameter 8 inches **Drive Weight** 140 lbs Autohammer **Drop** 30"

Elevation Top of Hole 130' **Location** See Geotechnical Map

Elevation Feet	Depth Feet	Graphic Log (N–S)	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION (Logged By ACS; Sampled By SR)	Type of Tests
100	30			S-3	1 2 2			ML	@ 30': Sandy SILT, grayish brown, soft, moist, fine grained sand.	SA
95	35			R-5	6 11 14	109.3	18.0	SM	@ 35': Silty SAND, gray, medium dense, moist to wet, fine to medium grained sand.	
90 ▽	40			S-4	6 12 18			SP	@40': SAND, gray, medium dense to dense, wet, fine to medium grained sand.	
85	45			R-6	8 20 15	104.1	23.1	SP	@45': SAND, gray, medium dense, wet, fine to medium grained sand.	
80	50			S-5	2 3 5			SP	@50': SAND, gray, wet, loose, fine to medium grained sand.	
75	55								Total depth of boring: 51.5 feet. Groundwater was encountered @ 40 feet during drilling. Boring backfilled with soil cutting and patched with cold- mix asphalt concrete.	
70	60									

SAMPLE TYPES:
- S SPLIT SPOON
- R RING SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE
- G GRAB SAMPLE
- C CORE SAMPLE

TYPE OF TESTS:
- DS DIRECT SHEAR
- MD MAXIMUM DENSITY
- CN CONSOLIDATION
- CR CORROSION
- SA SIEVE ANALYSIS
- AL ATTERBERG LIMITS
- EI EXPANSION INDEX
- RV R-VALUE



LEIGHTON CONSULTING, INC.

GEOTECHNICAL BORING LOG B-2

Date 2-15-07 **Sheet** 1 **of** 2

Project Elizabeth Learning Center **Project No.** 601506-002

Drilling Co. Martini Drilling Co. **Type of Rig** CME-75

Hole Diameter 8 inches **Drive Weight** 140 lbs Autohammer **Drop** 30"

Elevation Top of Hole 130' **Location** See Geotechnical Map

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION (Logged By ACS; Sampled By SR/ACS)	Type of Tests
130	0								@ Surface: 3 inches of asphalt over Silty SAND, brown, moist. Alluvium (Qya)	
				Bag-1				SP	@ 2': SAND with silt, gray, moist, fine grained sand.	
125	5			R-1	3 7 11	97.6	24.1	SM	@ 5': Silty SAND, brown, medium dense, moist, fine grained sand.	DS
				R-2	4 6 10	103.6	3.2	SP-SM	@ 7.5': Silty SAND to SAND, brown, loose to medium dense, moist, fine-medium grained sand.	
120	10			R-3	5 7 8	101.9	5.0	SP/SM	@ 10': Silty SAND to SAND, brown, loose, moist, fine-medium grained sand.	
115	15			S-1	1 2 3			ML	@ 15': Sandy SILT, brown, medium stiff, moist, fine grained.	
110	20			R-4	7 8 8	99.9	17.3	ML/SM	@ 20': Sandy SILT to Silty SAND, brown, loose, moist, fine to medium grained sand.	
105	25			S-2	3 4 5			ML	@ 25': Sandy SILT, brown, stiff, moist, fine grained.	
100	30									

SAMPLE TYPES:
- S SPLIT SPOON
- R RING SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE
- G GRAB SAMPLE
- C CORE SAMPLE

TYPE OF TESTS:
- DS DIRECT SHEAR
- MD MAXIMUM DENSITY
- CN CONSOLIDATION
- CR CORROSION
- SA SIEVE ANALYSIS
- AL ATTERBERG LIMITS
- EI EXPANSION INDEX
- RV R-VALUE



LEIGHTON CONSULTING, INC.

GEOTECHNICAL BORING LOG B-2

Date 2-15-07 **Sheet** 2 **of** 2

Project Elizabeth Learning Center **Project No.** 601506-002

Drilling Co. Martini Drilling Co. **Type of Rig** CME-75

Hole Diameter 8 inches **Drive Weight** 140 lbs Autohammer **Drop** 30"

Elevation Top of Hole 130' **Location** See Geotechnical Map

Logged By ACS

Sampled By SR/ACS

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
100	30			R-5	3 4 7	97.2	28.7	CL-ML	@ 30': Sandy SILT to Silty CLAY, brown, medium stiff, moist, fine grained.	
95	35			S-3	1 3 5			SM	@ 35': Silty SAND, grayish brown, loose, moist to wet, fine grained sand.	
90	40			R-6	6 15 26	107.1	19.4	SP	@ 40': SAND, olive gray, medium dense, wet, fine to medium grained sand.	
85	45			S-4	3 7 10			SP	@ 45': SAND, , olive gray, medium dense, wet, fine grained sand.	
80	50			R-7	4 7 10	101.7	24.9	CL-ML	@ 50': Sandy SILT to Clayey SILT, olive gray, stiff, moist, fine grained.	
75	55								Total depth of boring: 51.5 feet. Groundwater was encountered @ 40 feet during drilling. Boring backfilled with soil cuttings and patched with cold-mix asphalt concrete.	
70	60									

SAMPLE TYPES:

- S SPLIT SPOON
- R RING SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE
- G GRAB SAMPLE
- C CORE SAMPLE

TYPE OF TESTS:

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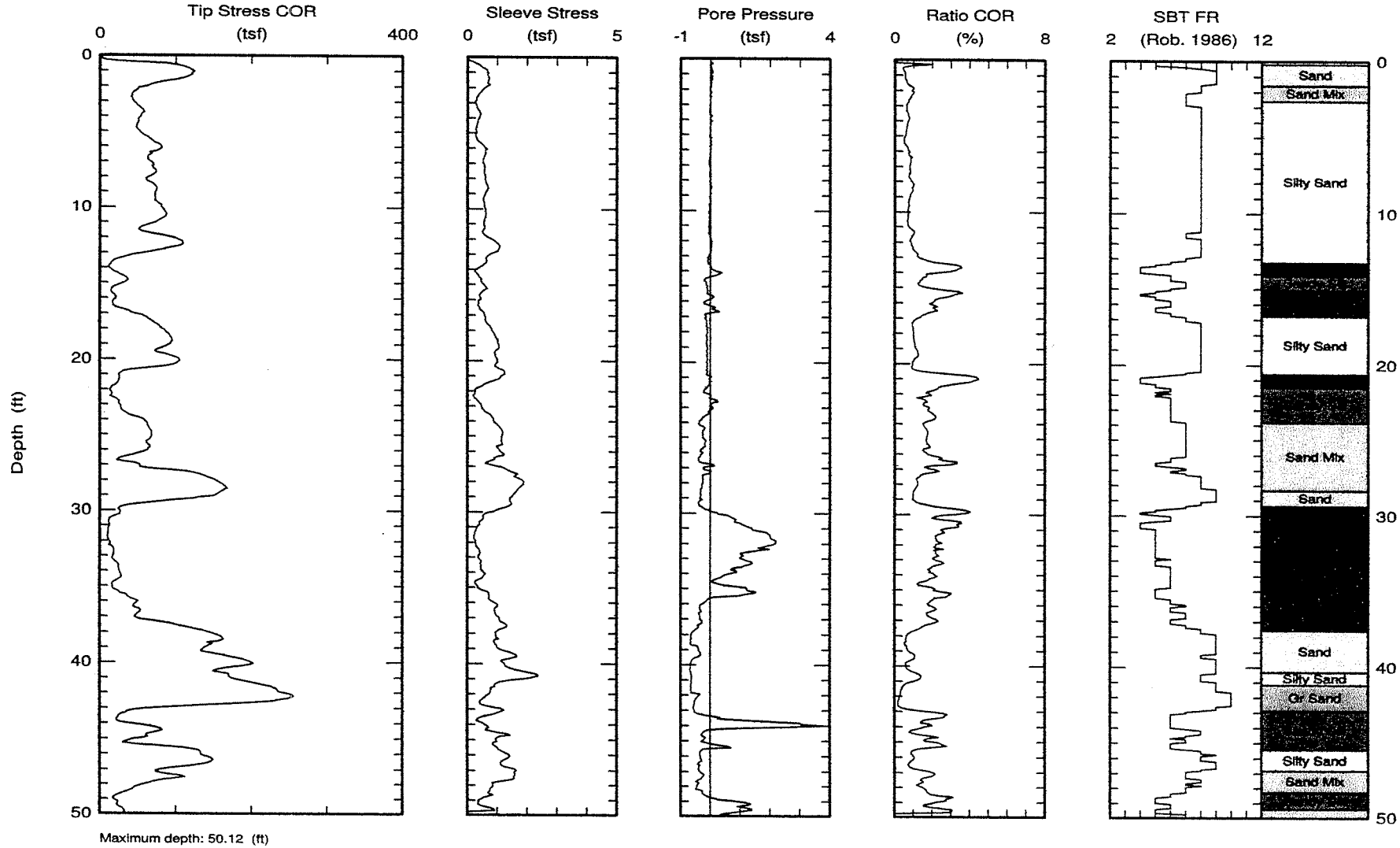
LEIGHTON CONSULTING, INC.

Kehoe Testing & Engineering
Office: (714) 901-7270
Fax: (714) 901-7289
skehoe@msn.com

CPT Data
30 ton rig

Date: 15/Feb/2007
Test ID: CPT-1
Project: Cudahy

Customer: Leighton Consulting
Job Site: Elizabeth Learning Center



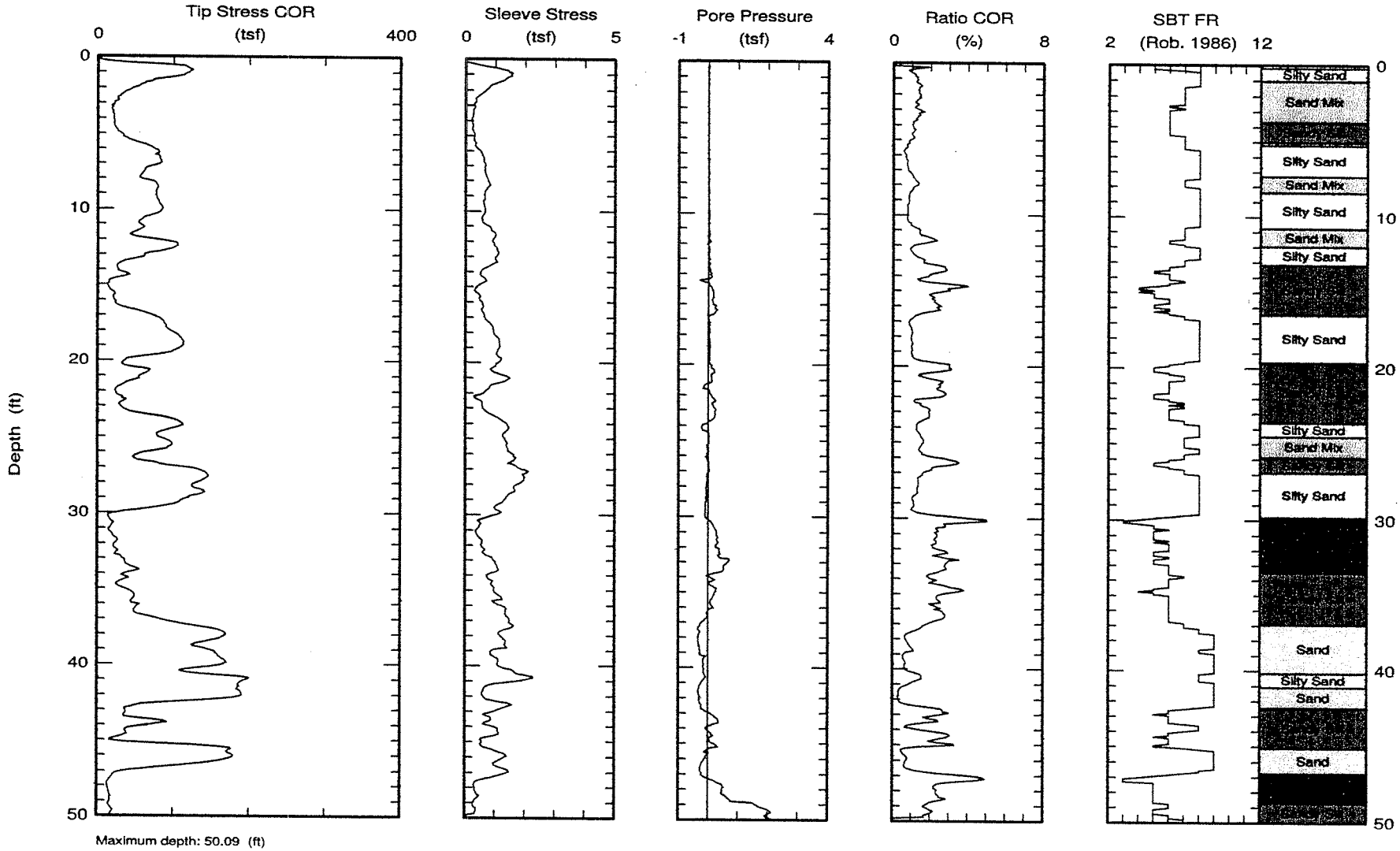
Maximum depth: 50.12 (ft)

Kehoe Testing & Engineering
Office: (714) 901-7270
Fax: (714) 901-7289
skehoe@msn.com

CPT Data
30 ton rig

Date: 15/Feb/2007
Test ID: CPT-2
Project: Cudahy

Customer: Leighton Consulting
Job Site: Elizabeth Learning Center

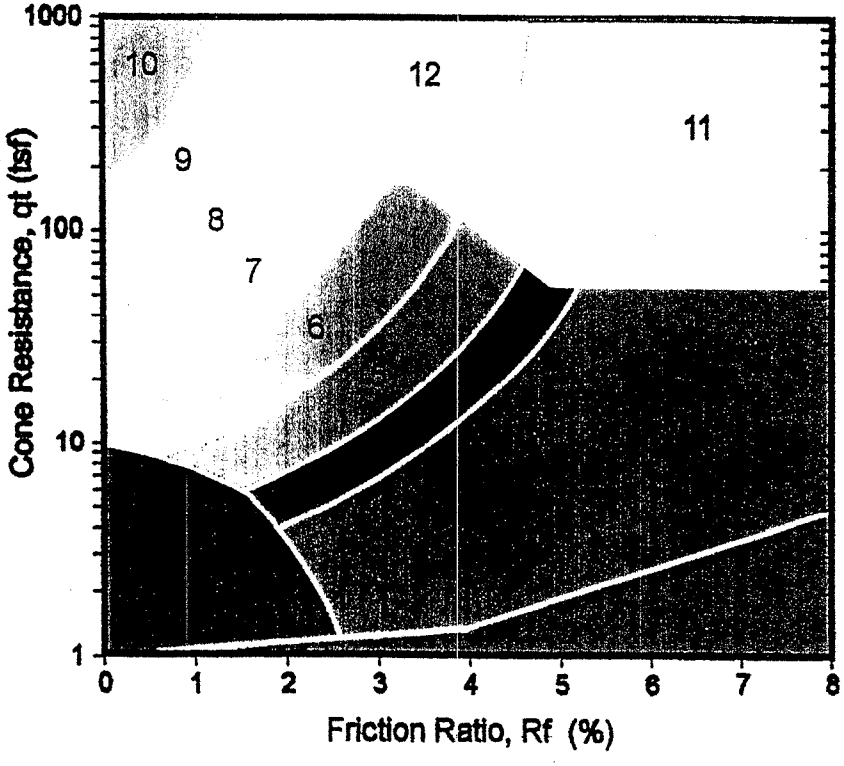


Maximum depth: 50.09 (ft)

KEHOE TESTING & ENGINEERING

CPT Classification Chart

(after Robertson and Campanella, 1988)



Zone	q_t / N	Soil Behavior Type	UCSCS
1	2	sensitive fine grained	OL-OH
2	1	organic material	Pt-OH
3	1	clay	CH
4	1.5	silty clay to clay	CL-CH
5	2	clayey silt to silty clay	ML-CL
6	2.5	sandy silt to clayey silt	MH-ML
7	3	silty sand to sandy silt	SM-ML
8	4	sand to silty sand	SP-SM
9	5	sand	SP
10	6	gravelly sand to sand	SW-SP
11	1	very stiff fine grained *	CL-MH
12	2	sand to clayey sand *	SP-SC

* overconsolidated or cemented

APPENDIX B
LABORATORY TESTING

B.1 Introduction

The laboratory testing was performed using appropriate American Society for Testing and Materials (ASTM) and Caltrans Test Methods (CTM).

Modified California drive samples, Standard Penetration Test (SPT) drive samples, and bulk samples collected during the field investigation were carefully sealed in the field to prevent moisture loss. The samples of earth materials were then transported to the laboratory for further examination and testing. Tests were performed on selected samples as an aid in classifying the earth materials and to evaluate their physical properties and engineering characteristics. Laboratory testing for this investigation included:

- Soil Classification: USCS (ASTM D 2487) and Visual Manual (ASTM D 2488);
- Moisture content (ASTM D 2216) and Dry Unit Weight (ASTM D 2937);
- Atterberg Limits (ASTM D 4318);
- Grain Size Distribution (ASTM D 422) & % Passing #200 Sieve (ASTM D 1140);
- Pocket Penetrometer;
- Expansion Index (D 4829);
- R-Value (ASTM D2844, CTM 301)
- Soil Corrosivity:
  - pH (CTM 643);
  - Water-Soluble Sulfate (ASTM D 516, CTM 417);
  - Water-Soluble Chloride(Ion-Specific Probe, CTM 422);
  - Minimum Electrical Resistivity (CTM 643);

Applicable lab results from previous Leighton 2006 and 2007 investigations are attached at the end of this appendix. Brief descriptions of the laboratory testing program and test results are presented below.

B.2 Moisture Content and Dry Unit Weight

The natural moisture content of selected SPT and California ring samples and dry unit weight of California ring samples were determined in general accordance with ASTM D 2216 and ASTM D2937. Results of these tests are presented on the boring logs in Appendix A.

B.3 Atterberg Limits

Soil plasticity was evaluated by measuring the Atterberg limits. This test includes Liquid Limit (LL) and Plastic Limit (PL) tests to determine the Plasticity Index (PI) in accordance with ASTM D4318.

Results of these tests are illustrated in the plasticity chart shown in Figures B-1.1 to B-1.2 and on the boring logs of Appendix A.

B.4 Grain Size Distribution and Percent Passing No. 200 Sieve

Determination of fines verses coarser soil particles was performed by the percent #200 Sieve test. Representative samples were dried, weighed, soaked in water until individual soil particles were separated, and then washed on the No. 200 sieve. The percentage of fines (soil passing No. 200 sieve) was determined in accordance with ASTM D1140. The washed fraction retained on the No. 200 sieve was then screened on a No. 4 sieve, and the fraction retained on No. 4 was weighed to determine the percentage of gravel. The results of percent passing No. 200 sieve is presented in the boring logs in Appendix A.

B.5 Pocket Penetrometer

Compressive soil strength of cohesive samples were measured using a pocket penetrometer. The measured values (in tsf) are presented in the boring logs of Appendix A.

B.6 Expansion Index

The expansion potential of the site soils was estimated using the Expansion Index Test in accordance with ASTM D 4829. The results of this test are listed in Table B-1.

B.7 R-Value

An R-Value test was performed to measure the potential strength of the upper soils on site to use as potential subgrade. The results of this test are shown in Figures B-2.1.

B.8 Soil Corrosivity

Tests were performed in order to determine corrosion potential of site soils on concrete and ferrous metals. Corrosivity testing included minimum electrical resistivity and soil pH (Caltrans method 643), water soluble chlorides (Orion 170A+ Ion Probe or Caltrans Test Method 422), and water-soluble sulfates (ASTM D 516). The test results are summarized in Table B-2.

B.9 List of Attached Tables and Figures

The following tables and figures are attached and complete this appendix:

Table B-1	Summary of Expansion Index
Table B-2	Summary of Soil Corrosivity
Figures B-1.1 to B-1.2	Atterberg Limits Test Results
Figures B-2.1	R-Value Test Results
Attachment	Previous Leighton lab results

TABLES

Table B-1
Summary of Expansion Index

Boring No.	Depth (ft)	Expansion Index
Bulk-1	0-3	0

Table B-2
Summary of Soil Corrosivity

Boring No.	Depth (ft)	pH	Sulfate Content (%)	Chloride Content (%)	Minimum Resistivity (ohm-cm)
Bulk-1	0-3	9.08	1.15	<0.01	2,046

FIGURES

ATTERBERG LIMITS

ASTM D-4318 / AASTHO T-89 / CTM 204

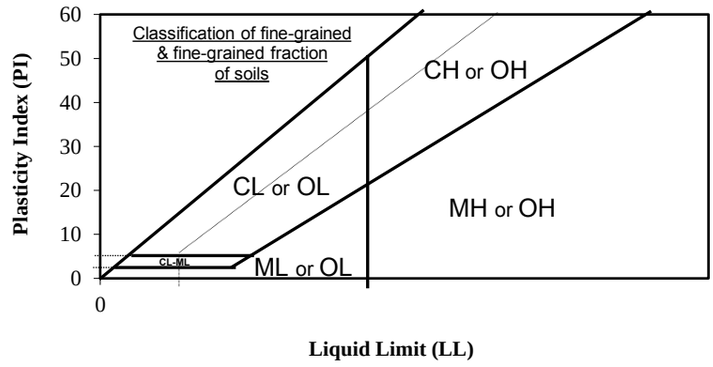
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Project No. :	LA1321	Data Input By:	E.D.	Date:	05/02/17
Boring No.:	B-6	Checked By:	D.R.	Date:	05/02/17
Sample No. :	R-5	Depth (ft.) :	12.5-14'		
Initial Moisture:		Container No.:	AL-1		
Description.:	Olive Gray Silty Sand (SM)		*NON PLASTIC*		

	PLASTIC LIMIT		LIQUID LIMIT			
TEST NO.	1	2	1	2	3	4
Number of Blows [N]						
Container No.						
Wet Wt. of Soil + Cont. (gm.)						
Dry Wt. of Soil + Cont. (gm.)						
Wt. of Container (gm.)						
Moisture Content (%) [Wn]						

LIQUID LIMIT
PLASTIC LIMIT
PLASTICITY INDEX **NP**

PI at "A" - Line = 0.73(LL-20) =

One - Point Liquid Limit Calculation $LL=Wn(N/25)^{0.121}$



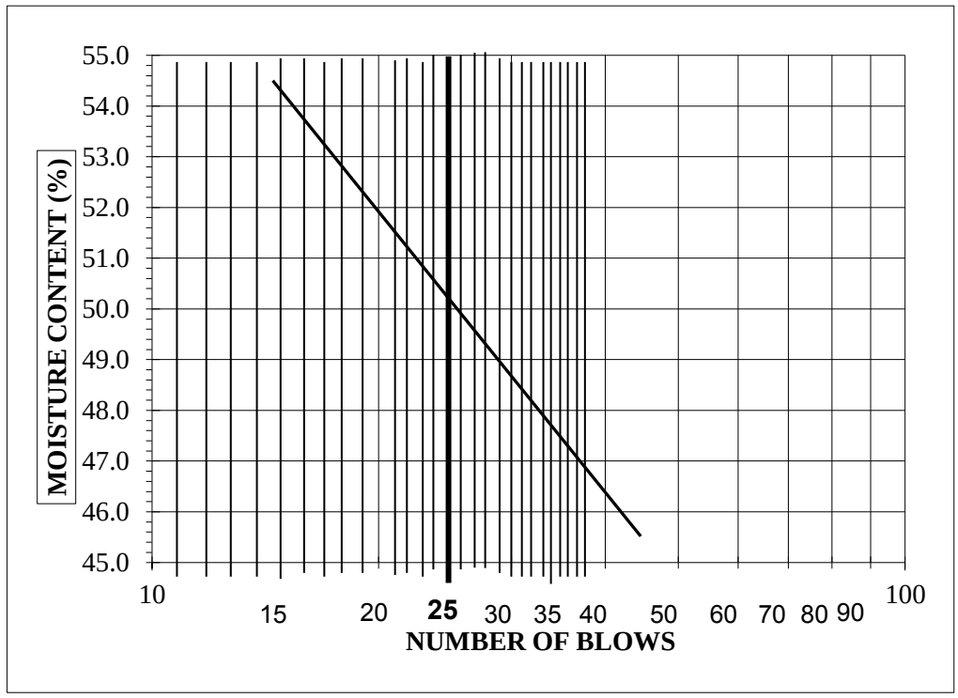
PROCEDURES USED

☐ Wet Preparation
Multipoint Wet Preparation

☒ Dry Preparation
Multipoint Dry Preparation

☒ Procedure A
Multipoint Test

☐ Procedure B
One-point Test



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Anaheim, CA 92806
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Figure B-1.1

ATTERBERG LIMITS

ASTM D-4318 / AASTHO T-89 / CTM 204

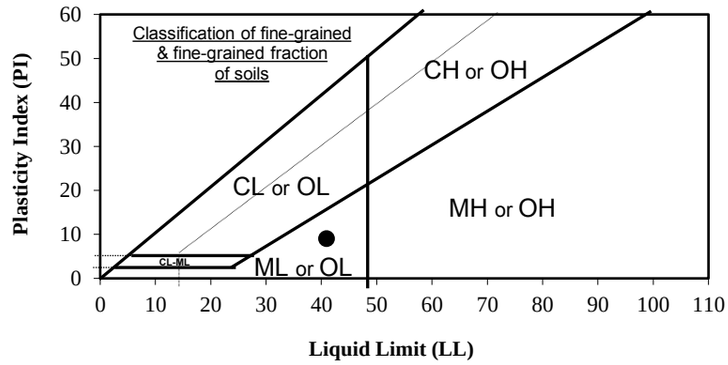
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Project No. :	LA1321	Data Input By:	E.D.	Date:	05/02/17
Boring No.:	B-1	Checked By:	D.R.	Date:	05/02/17
Sample No. :	S-10-1	Depth (ft.) :	31-31.5'		
Initial Moisture:		Container No.:	AL-2		
Description.:	Olive Gray Silt (ML)				

	PLASTIC LIMIT		LIQUID LIMIT			
TEST NO.	1	2	1	2	3	4
Number of Blows [N]			32	24	16	
Container No.	A	B	C	D	E	
Wet Wt. of Soil + Cont. (gm.)	25.79	26.14	24.93	24.05	25.32	
Dry Wt. of Soil + Cont. (gm.)	23.27	23.51	22.21	21.53	22.21	
Wt. of Container (gm.)	15.26	15.17	15.26	15.41	15.04	
Moisture Content (%) [Wn]	31.46	31.53	39.14	41.18	43.38	

LIQUID LIMIT	**41**
PLASTIC LIMIT	**32**
PLASTICITY INDEX	**9**

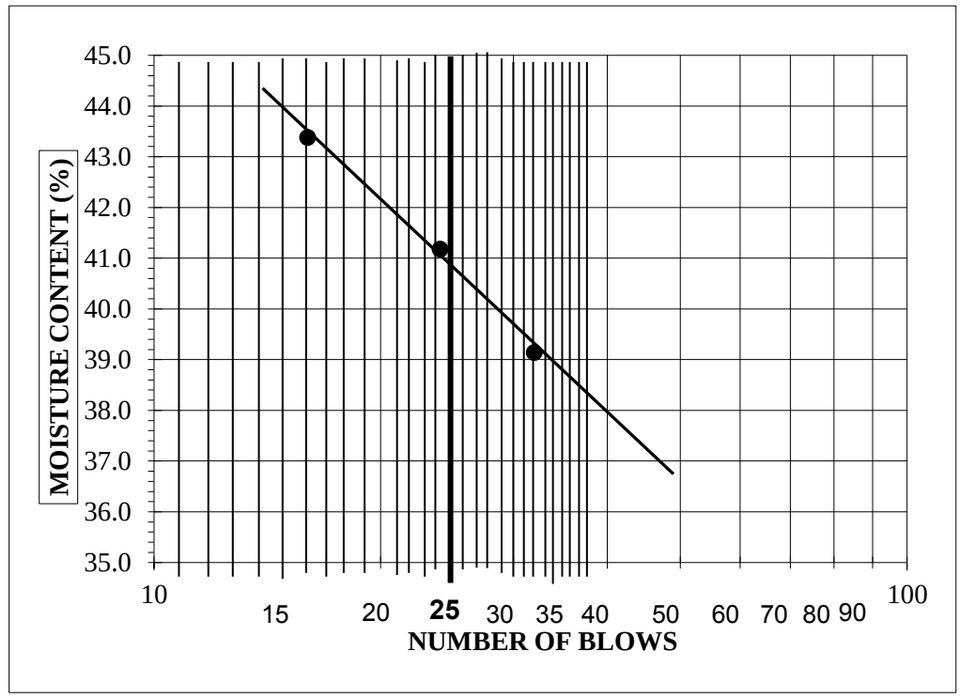
PI at "A" - Line = 0.73(LL-20) = **15.3**

One - Point Liquid Limit Calculation $LL=Wn(N/25)^{0.121}$



PROCEDURES USED

- ☐ Wet Preparation
  - Multipoint Wet Preparation
- ☒ Dry Preparation
  - Multipoint Dry Preparation
- ☒ Procedure A
  - Multipoint Test
- ☐ Procedure B
  - One-point Test

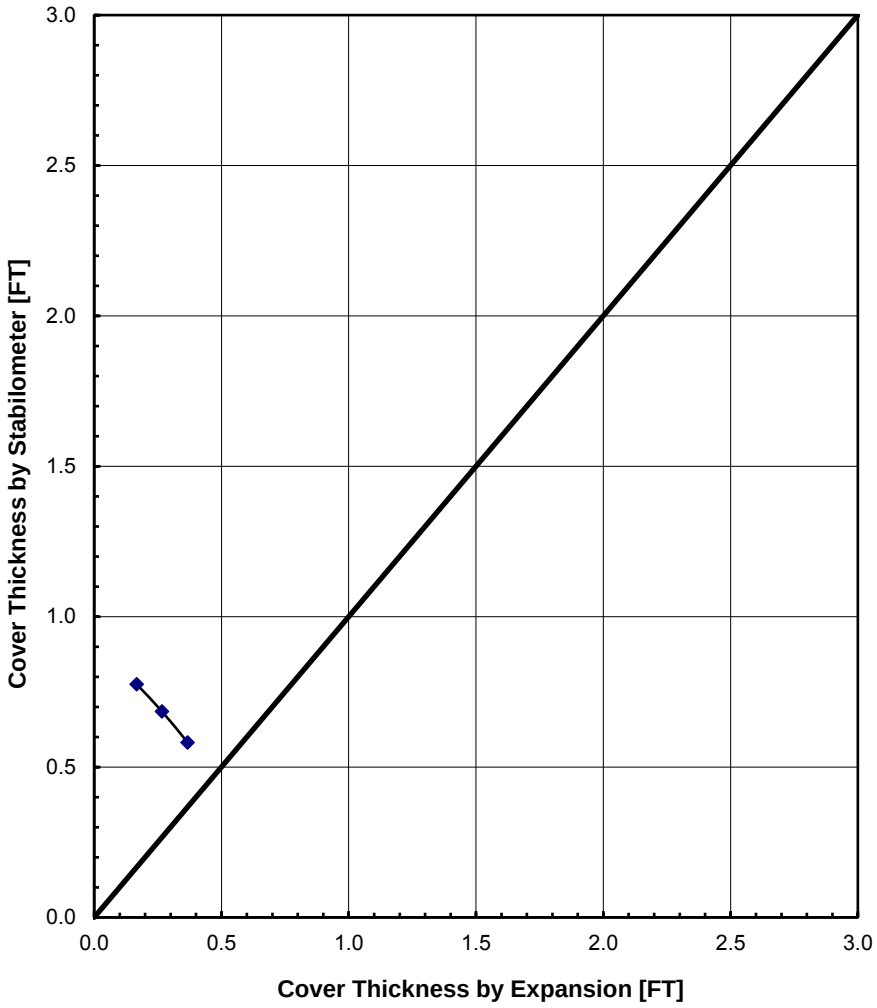


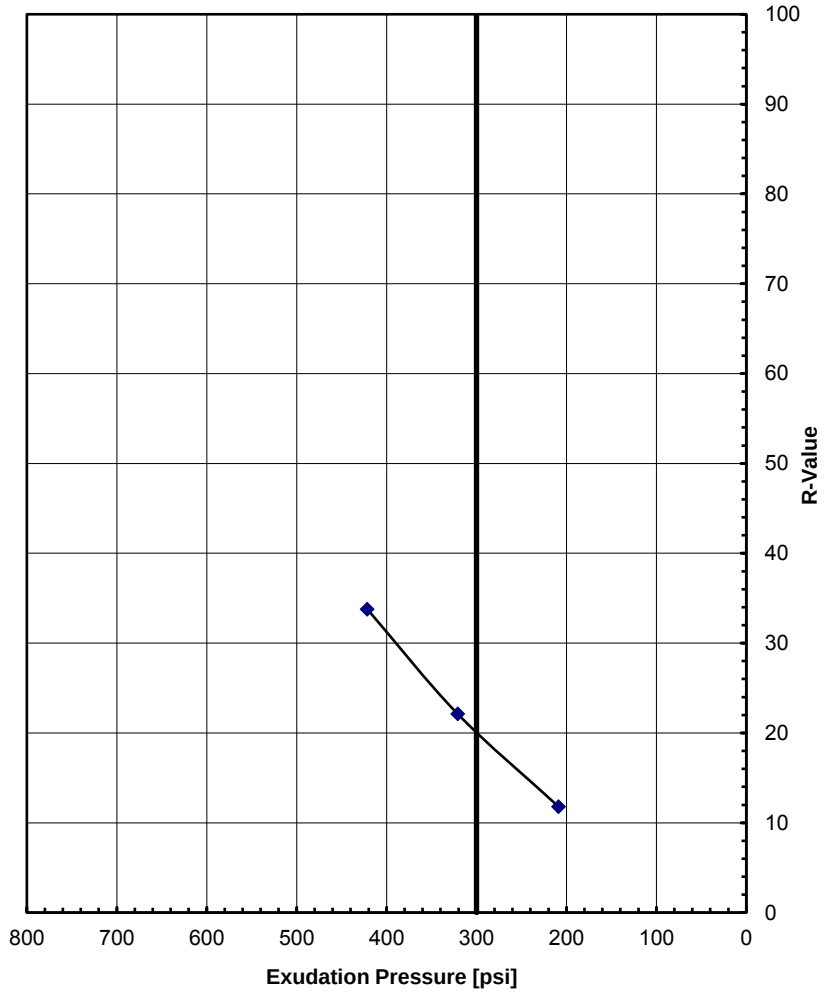
GROUP DELTA CONSULTANTS
1320 South Simpson Circle
Anaheim, CA 92806
(714) 660-7500 office
(714) 660-7550 fax

Figure B-1.2

Sample: SO.4541, B-6 Bulk O @ 0-3'

R-Value at Equilibrium: 20





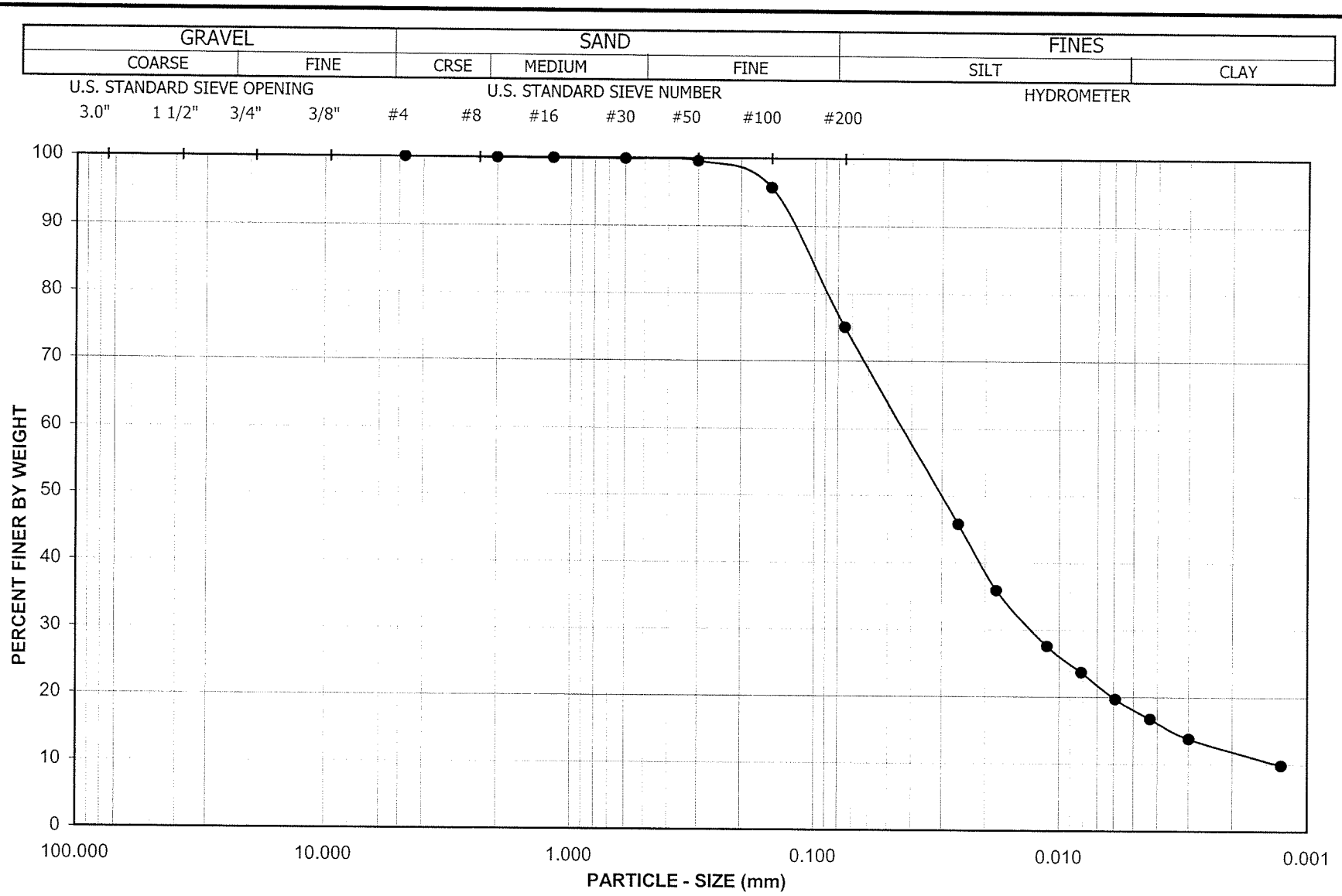
GROUP DELTA CONSULTANTS
1320 South Simpson Circle
Anaheim, CA 92806
(714) 660-7500 office
(714) 660-7550 fax

COVER AND EXUDATION CHARTS

Project No. LA-1321
Project Name: Elizabeth LC
FIGURE B-2.1

ATTACHMENT

Leighton 2006 Investigation



Project Name: Elizabeth LC

Project No.: 601506-001

Exploration No.: B-1 Sample No.: S-5

Depth (feet) : 30.0 Soil Type : (ML/MH)s

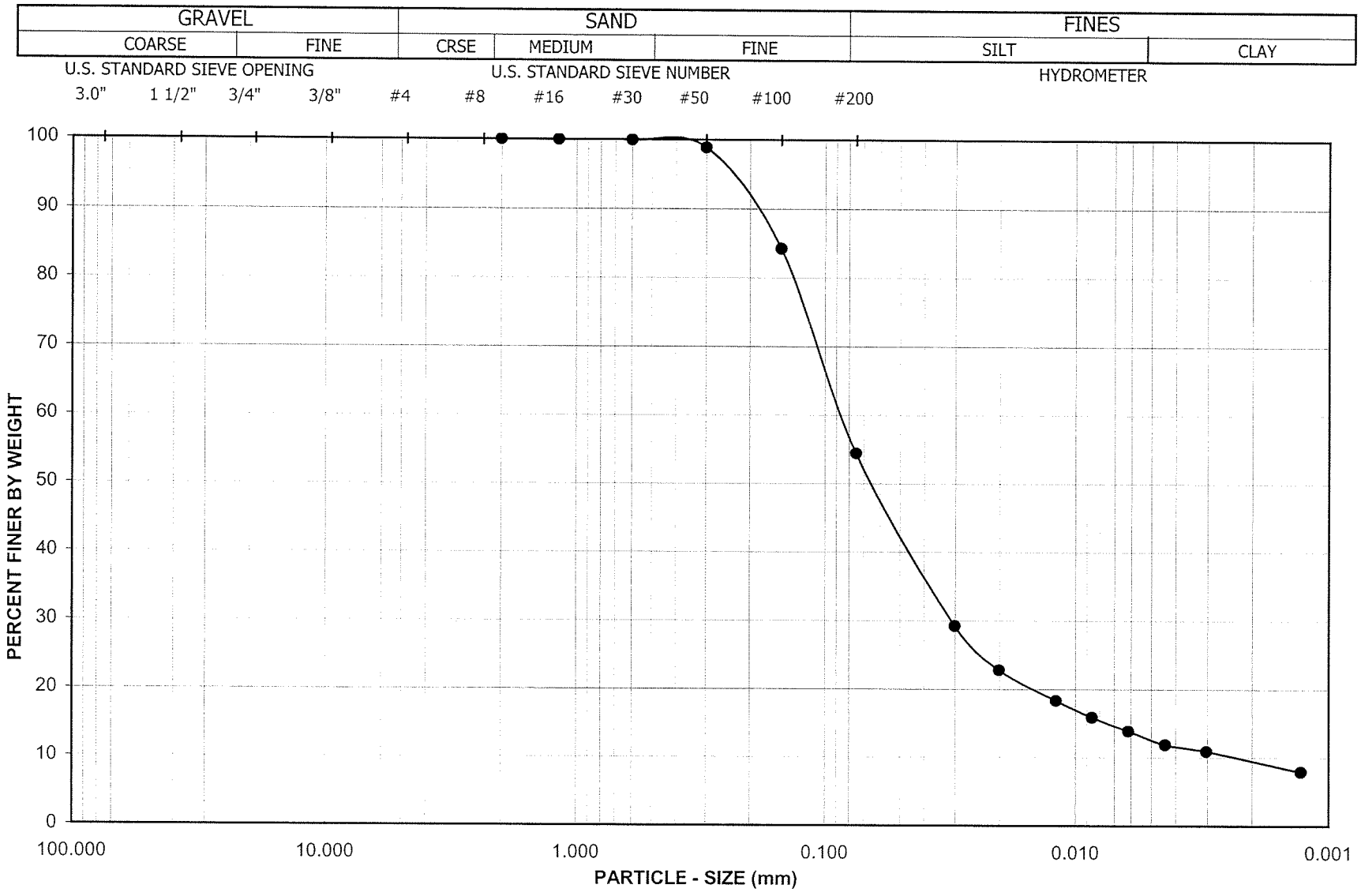
Soil Identification: Dark olive silt / elastic silt with sand (ML/MH)s

GR:SA:FI : (%) 0 : 25 : 75

Leighton

PARTICLE - SIZE DISTRIBUTION ASTM D 422

Apr-07



Project Name: Elizabeth LC

Project No.: 601506-001

Exploration No.: B-2 Sample No.: S-3

Depth (feet) : 25.0 Soil Type : s(ML)

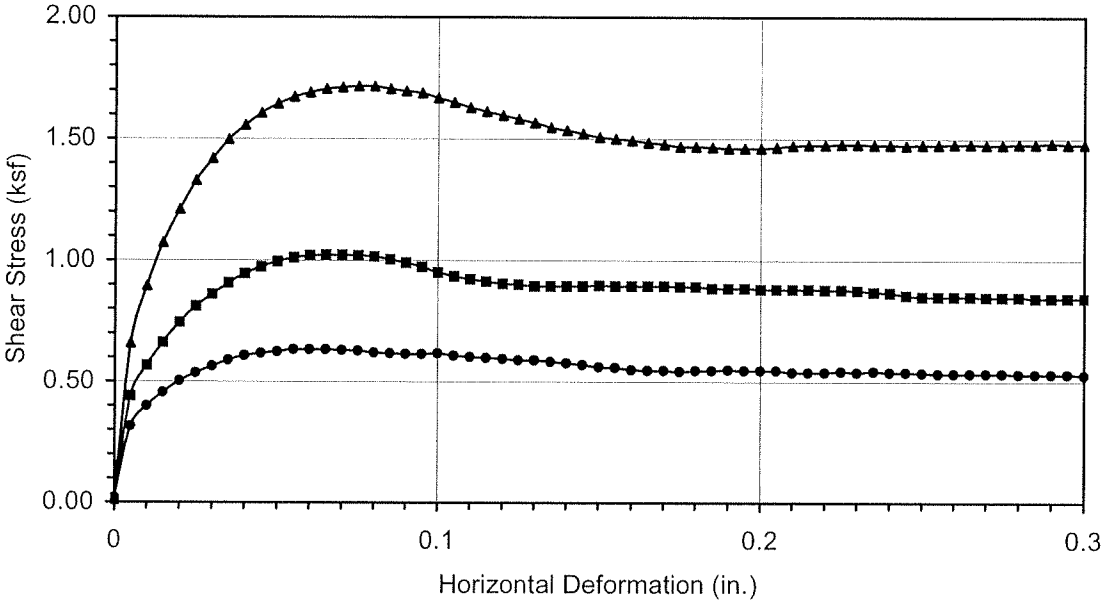
Soil Identification: Olive sandy silt s(ML)

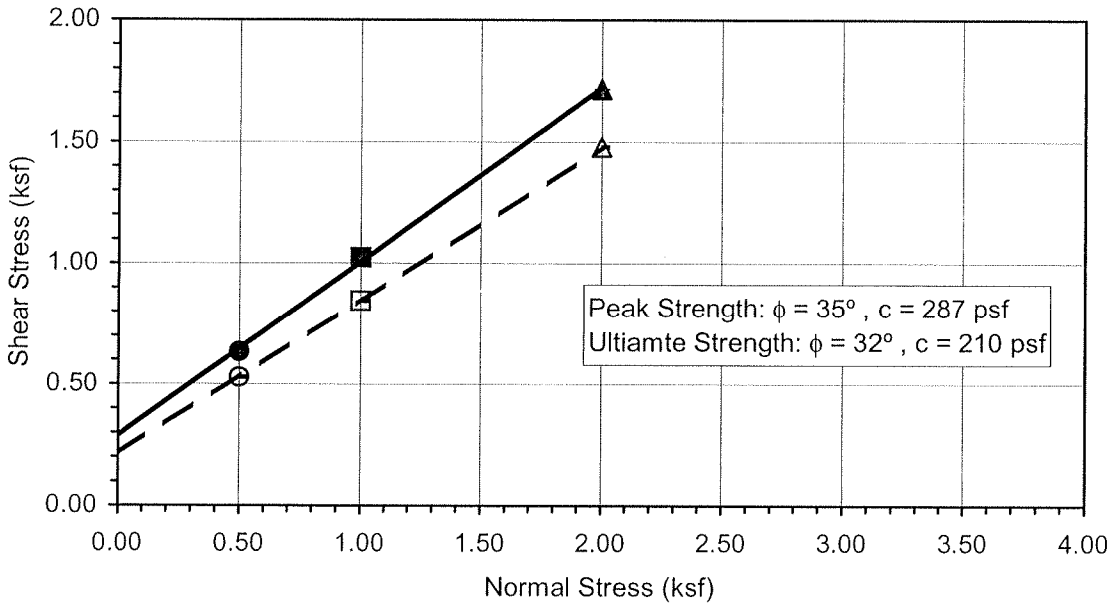
GR:SA:FI : (%) 0 : 46 : 54

Leighton

PARTICLE - SIZE DISTRIBUTION ASTM D 422

Apr-07





Boring No.	**B-1**
Sample No.	**R-2**
Depth (ft)	**5**
Sample Type:	
Drive	
Soil Identification:	
Olive poorly graded sand with silt (SP-SM)	

Normal Stress (kip/ft²)	0.500	1.000	2.000
Peak Shear Stress (kip/ft²)	● 0.633	■ 1.023	▲ 1.715
Shear Stress @ End of Test (ksf)	○ 0.527	□ 0.845	△ 1.478
Deformation Rate (in./min.)	0.0500	0.0500	0.0500
Initial Sample Height (in.)	1.000	1.000	1.000
Diameter (in.)	2.415	2.415	2.415
Initial Moisture Content (%)	9.32	9.32	9.32
Dry Density (pcf)	97.2	97.5	97.9
Saturation (%)	34.3	34.6	34.8
Soil Height Before Shearing (in.)	0.9930	0.9883	0.9841
Final Moisture Content (%)	25.7	24.9	24.1

Leighton

DIRECT SHEAR TEST RESULTS

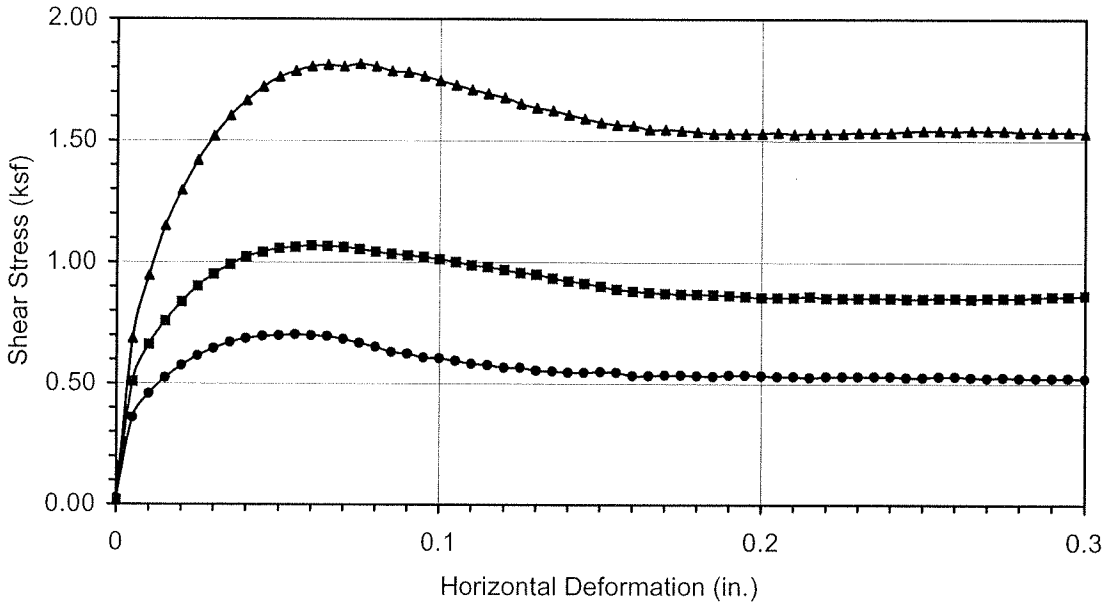
Consolidated Undrained

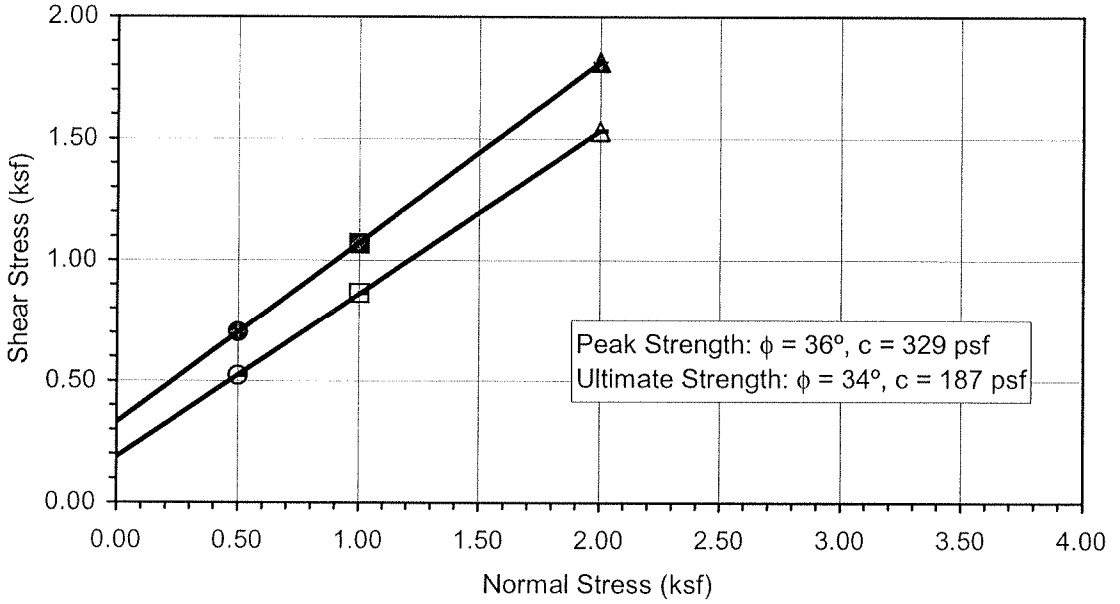
Project No.: 601506-001

Elizabeth LC

08-06

DS B-1 R-2.xls





Boring No.	**B-2**
Sample No.	**R-2**
Depth (ft)	**5**
Sample Type:	
Drive	
Soil Identification:	
Olive poorly graded sand (SP)	

Normal Stress (kip/ft²)	0.500	1.000	2.000
Peak Shear Stress (kip/ft²)	● 0.702	■ 1.069	▲ 1.815
Shear Stress @ End of Test (ksf)	○ 0.521	□ 0.864	△ 1.531
Deformation Rate (in./min.)	0.0500	0.0500	0.0500
Initial Sample Height (in.)	1.000	1.000	1.000
Diameter (in.)	2.415	2.415	2.415
Initial Moisture Content (%)	3.95	3.95	3.95
Dry Density (pcf)	98.6	100.9	100.8
Saturation (%)	15.0	15.9	15.9
Soil Height Before Shearing (in.)	0.9926	0.9885	0.9810
Final Moisture Content (%)	24.0	23.5	23.7

Leighton

DIRECT SHEAR TEST RESULTS

Consolidated Undrained

Project No.: 601506-001

Elizabeth LC

08-06

DS B-2 R-2.xls

Leighton

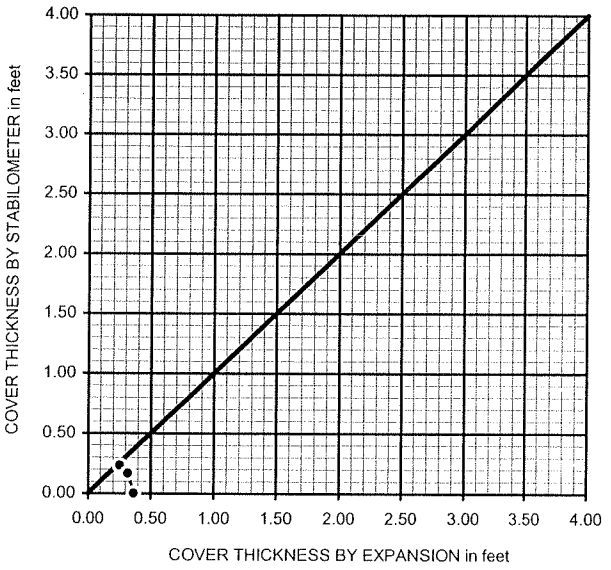
R-VALUE TEST RESULTS

PROJECT NAME:	Elizabeth LC	PROJECT NUMBER:	601506-001
SAMPLE NUMBER:	Bag-1	SAMPLE LOCATION:	B-2,0-5'
SAMPLE DESCRIPTION:	Sa.	TECHNICIAN:	SCF
		DATE COMPLETED	8/21/2006

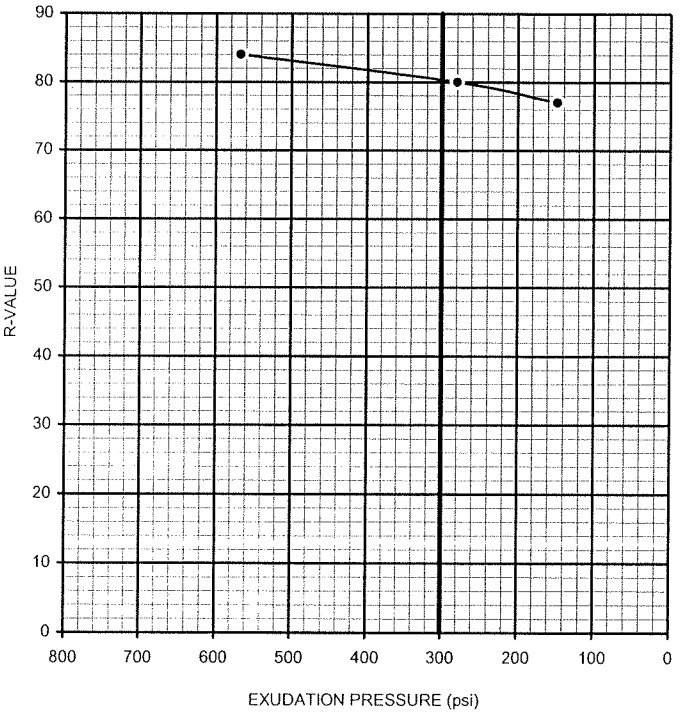
TEST SPECIMEN	a	b	c
MOISTURE AT COMPACTION %	11.3	11.7	12.1
HEIGHT OF SAMPLE, Inches	2.46	2.51	2.49
DRY DENSITY, pcf	114.1	115.1	117.0
COMPACTOR PRESSURE, psi	275	240	200
EXUDATION PRESSURE, psi	567	280	148
EXPANSION, Inches x 10exp-4	7	5	0
STABILITY Ph 2,000 lbs (160 psi)	17	21	24
TURNS DISPLACEMENT	4.02	4.11	4.23
R-VALUE UNCORRECTED	84	80	77
R-VALUE CORRECTED	84	80	77

DESIGN CALCULATION DATA	a	b	c
GRAVEL EQUIVALENT FACTOR	1.0	1.0	1.0
TRAFFIC INDEX	5.0	5.0	5.0
STABILOMETER THICKNESS, ft.	0.26	0.32	0.37
EXPANSION PRESSURE THICKNESS, ft.	0.23	0.17	0.00

EXPANSION PRESSURE CHART

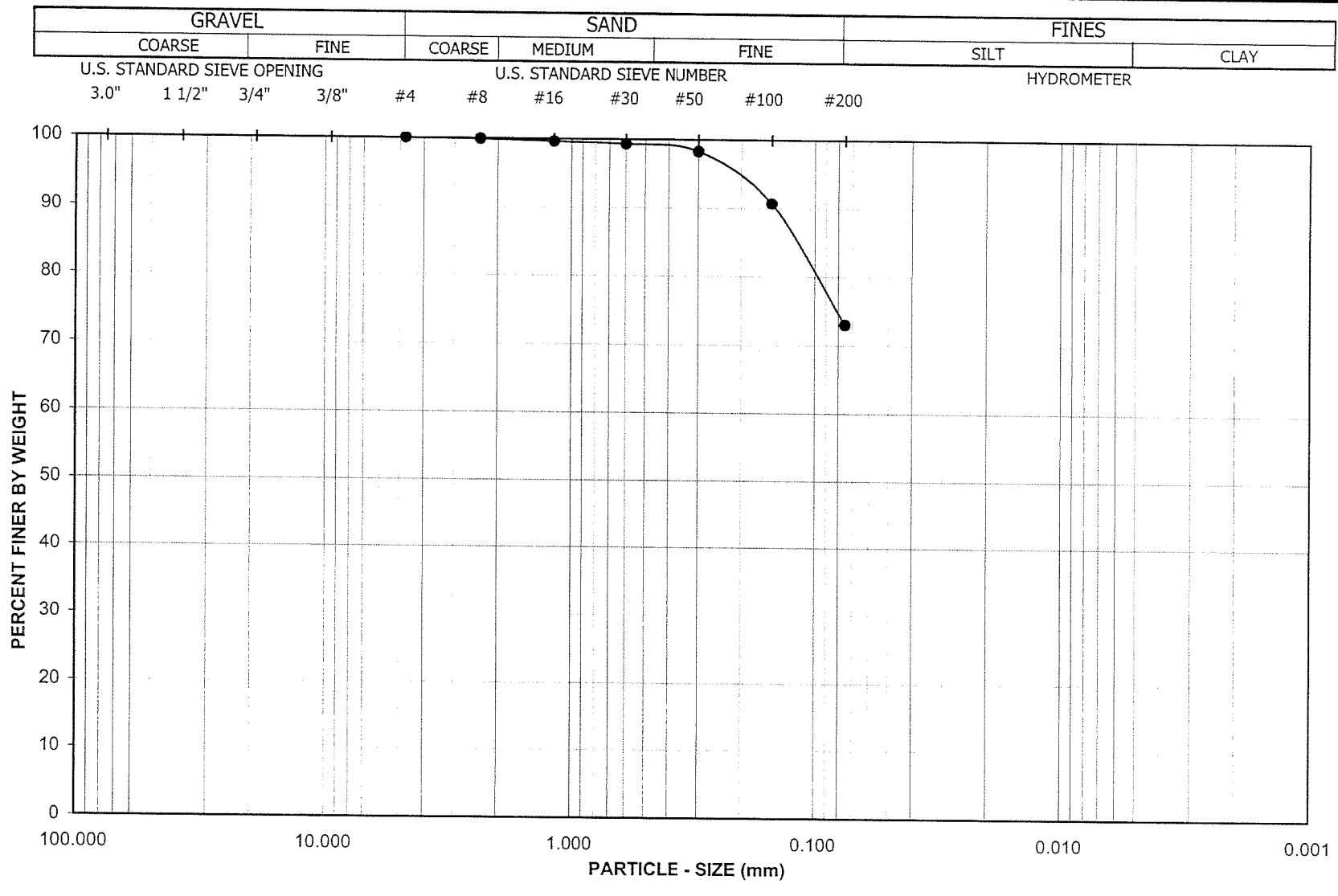


EXUDATION PRESSURE CHART



R-VALUE BY EXPANSION:	85
R-VALUE BY EXUDATION:	80
EQUILIBRIUM R-VALUE:	80

Leighton 2007 Investigation



Project Name: Elizabeth Learning Center

Project No.: 601506-002

Exploration No.: B-1 Sample No.: S-3

Depth (feet): 30.0 Soil Type : (ML)s

Soil Identification: Dark olive gray silt with sand (ML)s

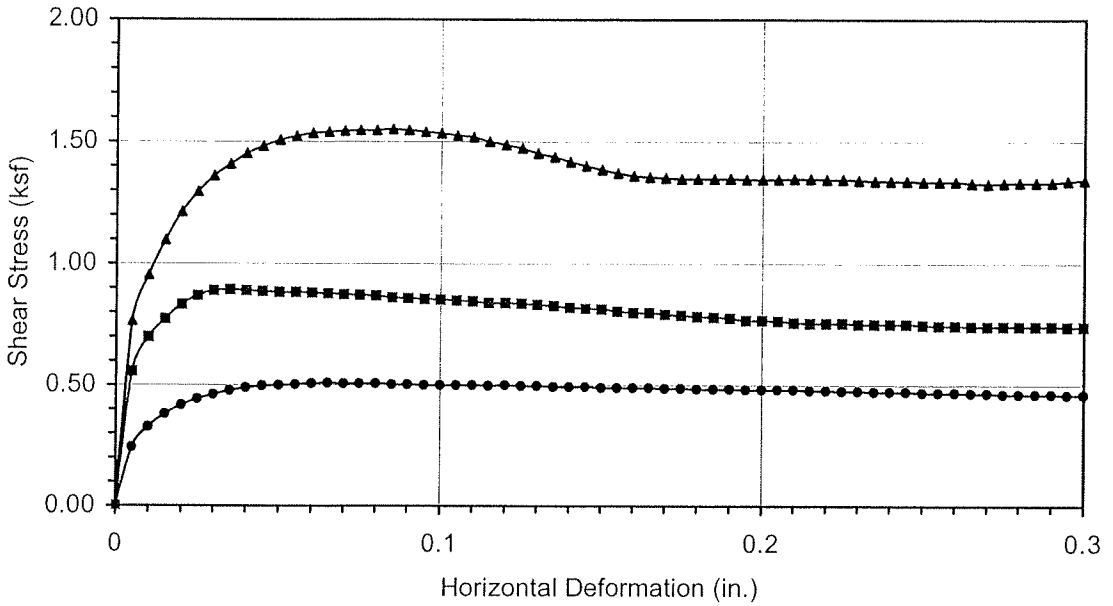
GR:SA:FI : (%) 0 : 27 : 73

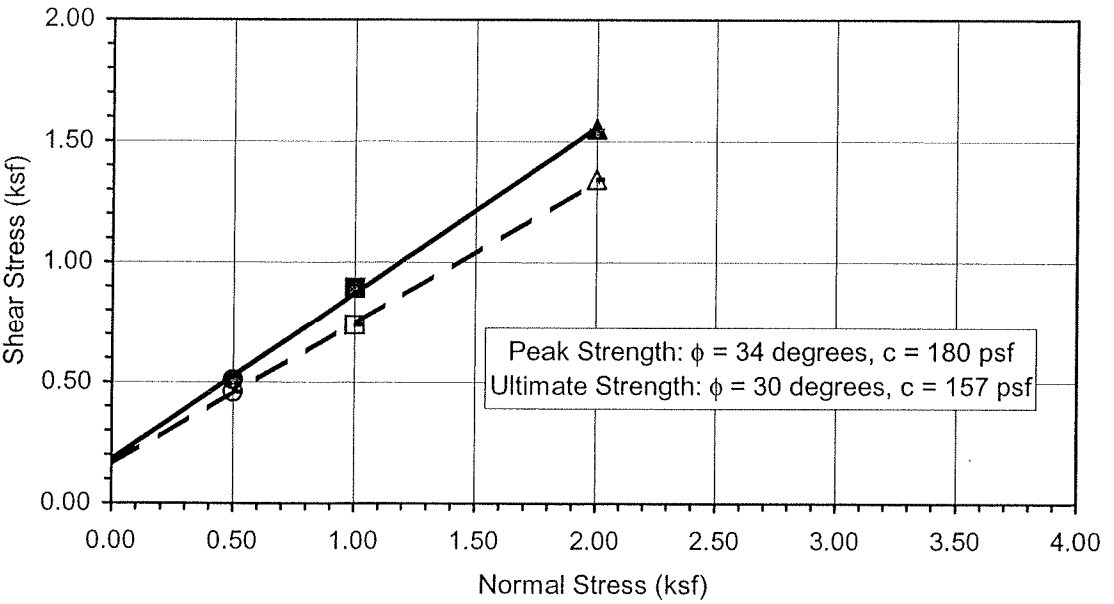
Leighton

PARTICLE - SIZE DISTRIBUTION ASTM D 422

Mar-07

SA B-1 S-3





Boring No.	**B-1**
Sample No.	**R-1**
Depth (ft)	**5**
Sample Type: Drive	
Soil Identification: Olive brown silty sand (SM)	

Normal Stress (kip/ft²)	0.500	1.000	2.000
Peak Shear Stress (kip/ft²)	● 0.509	■ 0.893	▲ 1.550
Shear Stress @ End of Test (ksf)	○ 0.459	□ 0.739	△ 1.342
Deformation Rate (in./min.)	0.0500	0.0500	0.0500
Initial Sample Height (in.)	1.000	1.000	1.000
Diameter (in.)	2.415	2.415	2.415
Initial Moisture Content (%)	4.36	4.36	4.36
Dry Density (pcf)	96.6	97.5	98.3
Saturation (%)	15.8	16.2	16.5
Soil Height Before Shearing (in.)	0.9959	0.9933	0.9888
Final Moisture Content (%)	23.5	23.2	23.1

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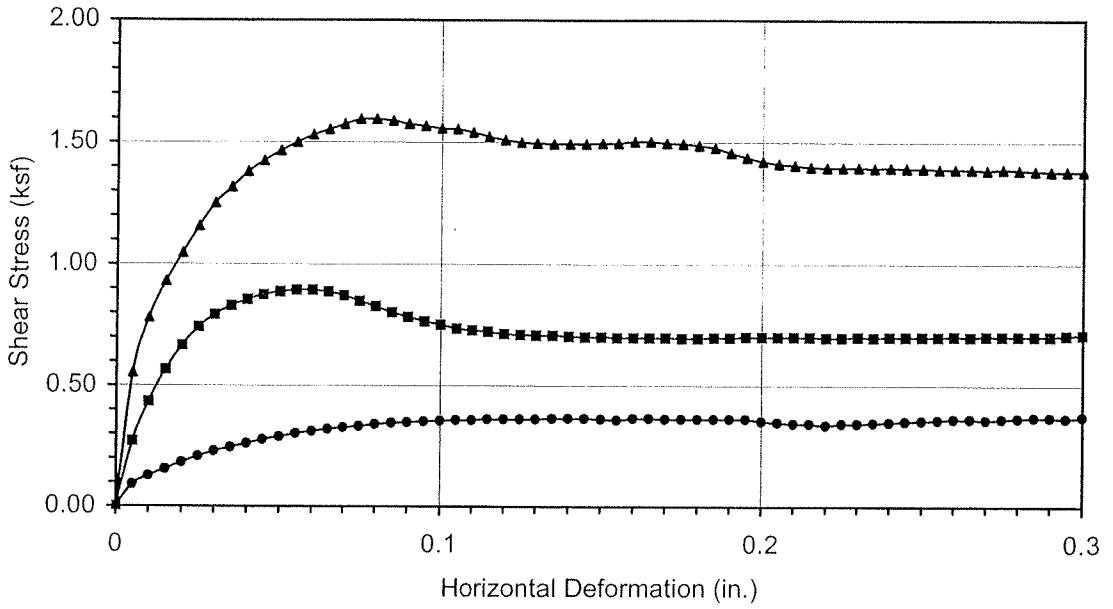
DIRECT SHEAR TEST RESULTS
Consolidated Undrained

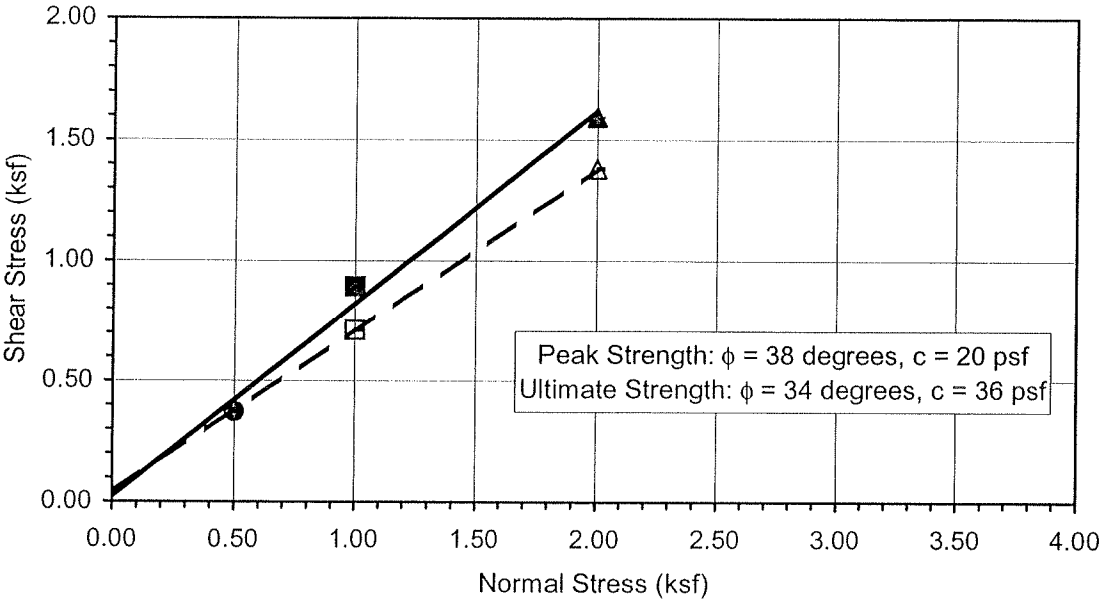
Project No.: 601506-002

Elizabeth Learning Center

02-07

DS B-1 R-1_.xls





Boring No.	**B-1**
Sample No.	**R-2**
Depth (ft)	**7.5**
Sample Type: Drive	
Soil Identification: Olive brown sandy silt s(ML)	

Normal Stress (kip/ft²)	0.500	1.000	2.000
Peak Shear Stress (kip/ft²)	● 0.371	■ 0.893	▲ 1.594
Shear Stress @ End of Test (ksf)	○ 0.371	□ 0.710	△ 1.380
Deformation Rate (in./min.)	0.0500	0.0500	0.0500
Initial Sample Height (in.)	1.000	1.000	1.000
Diameter (in.)	2.415	2.415	2.415
Initial Moisture Content (%)	8.25	8.25	8.25
Dry Density (pcf)	96.3	107.9	112.5
Saturation (%)	29.7	39.6	44.7
Soil Height Before Shearing (in.)	0.9956	0.9956	0.9780
Final Moisture Content (%)	32.1	21.1	28.7

Leighton

DIRECT SHEAR TEST RESULTS

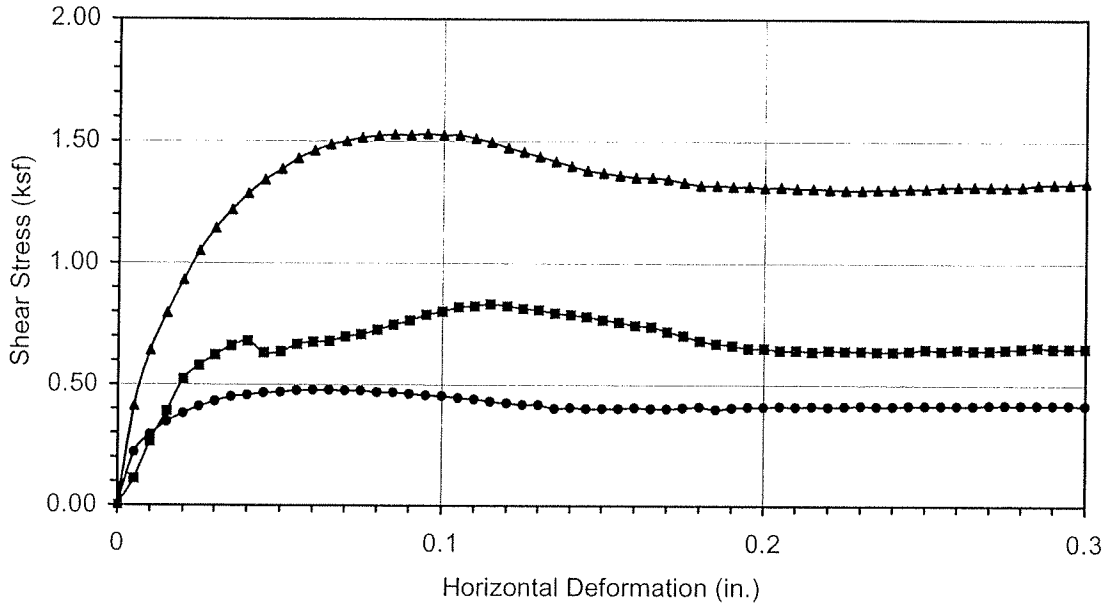
Consolidated Undrained

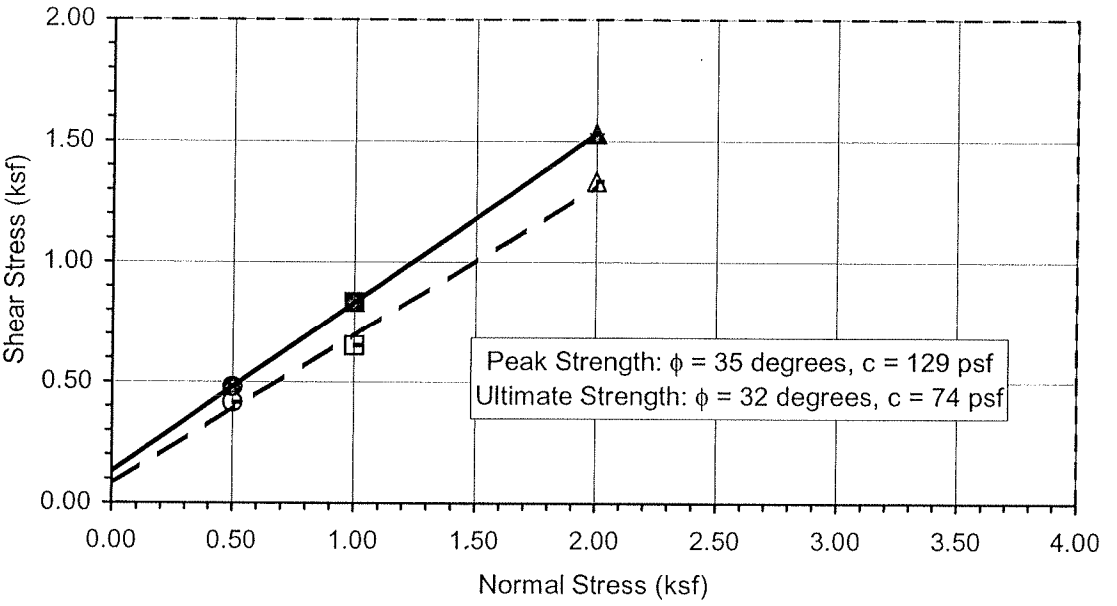
Project No.: 601506-002

Elizabeth Learning Center

02-07

DS B-1 R-2_.xls





Boring No.	**B-2**
Sample No.	**R-1**
Depth (ft)	**5**
Sample Type: Drive	
Soil Identification: Grayish brown silty fine sand (SM)	

Normal Stress (kip/ft²)	0.500	1.000	2.000
Peak Shear Stress (kip/ft²)	● 0.478	■ 0.833	▲ 1.531
Shear Stress @ End of Test (ksf)	○ 0.415	□ 0.651	△ 1.333
Deformation Rate (in./min.)	0.0500	0.0500	0.0500
Initial Sample Height (in.)	1.000	1.000	1.000
Diameter (in.)	2.415	2.415	2.415
Initial Moisture Content (%)	1.99	1.99	1.99
Dry Density (pcf)	97.4	97.5	97.8
Saturation (%)	7.4	7.4	7.4
Soil Height Before Shearing (in.)	0.9955	0.9900	0.9902
Final Moisture Content (%)	24.5	23.8	23.9

Leighton

DIRECT SHEAR TEST RESULTS
Consolidated Undrained

Project No.: 601506-002

Elizabeth Learning Center

03-07

DS B-2 R-1_.xls

Leighton

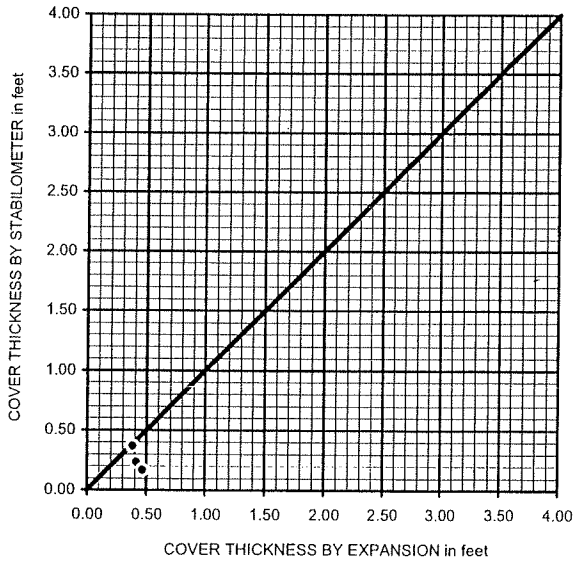
R-VALUE TEST RESULTS

PROJECT NAME:	Elizabeth Learning Center	PROJECT NUMBER:	601506-002
SAMPLE NUMBER:	Bag-1	SAMPLE LOCATION:	B-1 & B-2 @ 0-5' combined
SAMPLE DESCRIPTION:	SP	TECHNICIAN:	SCF
		DATE COMPLETED	3/1/2007

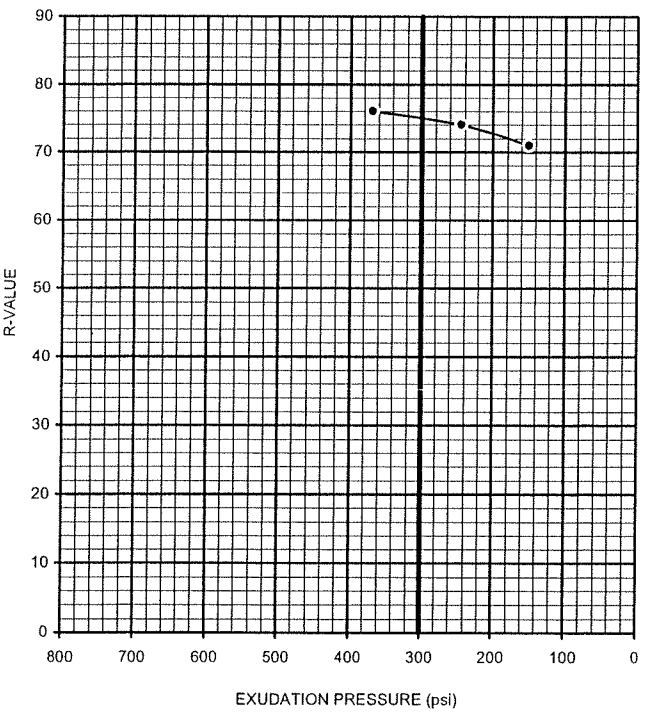
TEST SPECIMEN	a	b	c
MOISTURE AT COMPACTION %	12.4	12.6	12.9
HEIGHT OF SAMPLE, Inches	2.50	2.49	2.57
DRY DENSITY, pcf	111.9	110.9	110.2
COMPACTOR PRESSURE, psi	250	225	200
EXUDATION PRESSURE, psi	368	245	150
EXPANSION, Inches x 10exp-4	11	7	5
STABILITY Ph 2,000 lbs (160 psi)	22	24	26
TURNS DISPLACEMENT	4.96	5.04	5.22
R-VALUE UNCORRECTED	76	74	71
R-VALUE CORRECTED	76	74	71

DESIGN CALCULATION DATA	a	b	c
GRAVEL EQUIVALENT FACTOR	1.0	1.0	1.0
TRAFFIC INDEX	5.0	5.0	5.0
STABILOMETER THICKNESS, ft.	0.38	0.42	0.46
EXPANSION PRESSURE THICKNESS, ft.	0.37	0.23	0.17

EXPANSION PRESSURE CHART



EXUDATION PRESSURE CHART



R-VALUE BY EXPANSION:	76
R-VALUE BY EXUDATION:	75
EQUILIBRIUM R-VALUE:	75

Leighton

TESTS for SULFATE CONTENT
CHLORIDE CONTENT and pH of SOILS

Project Name: Elizabeth Learning Center Tested By : VJ Date: 02/23/07

Project No. : 601506-002 Data Input By: LF Date: 03/01/07

Boring No.	B-1 & B-2 combined			
Sample No.	Bag-1			
Sample Depth (ft)	0-5			
Soil Identification:	SP			
Wet Weight of Soil + Container (g)	186.83			
Dry Weight of Soil + Container (g)	179.87			
Weight of Container (g)	57.81			
Moisture Content (%)	5.70			
Weight of Soaked Soil (g)	100.67			

SULFATE CONTENT, DOT California Test 417, Part II

Beaker No.	1			
Crucible No.	3			
Furnace Temperature (°C)	830			
Time In / Time Out	8:10 / 8:55			
Duration of Combustion (min)	45			
Wt. of Crucible + Residue (g)	18.5278			
Wt. of Crucible (g)	18.5248			
Wt. of Residue (g) (A)	0.0030			
PPM of Sulfate (A) x 41150	123.45			
PPM of Sulfate, Dry Weight Basis	**131**			

CHLORIDE CONTENT, DOT California Test 422

ml of Chloride Soln. For Titration (B)	30			
ml of $AgNO_3$ Soln. Used in Titration (C)	0.7			
PPM of Chloride (C -0.2) * 100 * 30 / B	50			
PPM of Chloride, Dry Wt. Basis	**53**			

pH TEST, DOT California Test 532/643

pH Value	**7.46**			
Temperature °C	19.8			

Leighton

SOIL RESISTIVITY TEST

DOT CA TEST 532 / 643

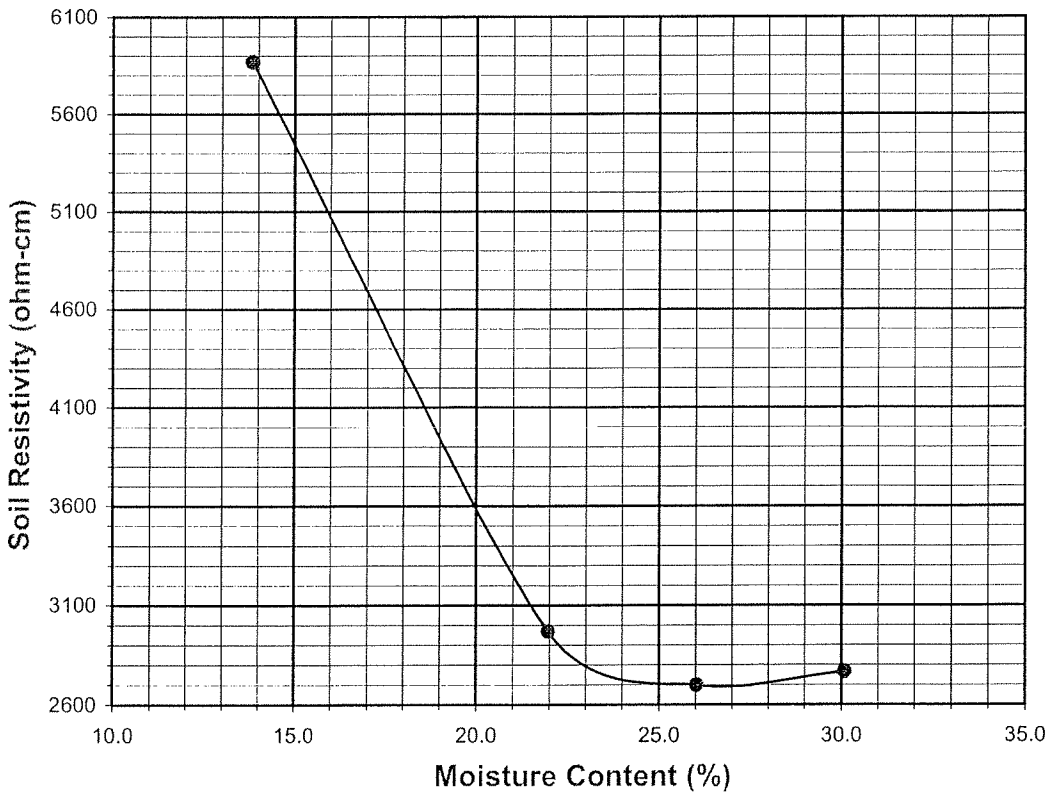
Project Name: Elizabeth Learning Center
Project No. : 601506-002
Boring No.: B-1 & B-2 combined
Sample No. : Bag-1
Soil Identification: SP

Tested By : VJ Date: 02/23/07
Data Input By: LF Date: 03/01/07
Depth (ft.) : 0-5

Specimen No.	Water Added (ml) (Wa)	Adjusted Moisture Content (MC)	Resistance Reading (ohm)	Soil Resistivity (ohm-cm)
1	100	13.83	870	5869
2	200	21.96	440	2968
3	250	26.03	400	2698
4	300	30.09	410	2766
5				

Moisture Content (%) (MCi)	5.70
Wet Wt. of Soil + Cont. (g)	186.83
Dry Wt. of Soil + Cont. (g)	179.87
Wt. of Container (g)	57.81
Container No.	
Initial Soil Wt. (g) (Wt)	1300.00
Box Constant	6.746
MC =(((1+Mci/100)x(Wa/Wt+1))-1)x100	

Min. Resistivity (ohm-cm)	Moisture Content (%)	Sulfate Content (ppm)	Chloride Content (ppm)	Soil pH	
				pH	Temp. (°C)
DOT CA Test 532 / 643		DOT CA Test 417 Part II	DOT CA Test 422	DOT CA Test 532 / 643	
2698	**26.0**	**131**	**53**	**7.46**	**19.8**



APPENDIX C

SITE-SPECIFIC SEISMIC HAZARD ANALYSIS

1.0 INTRODUCTION

This section presents the results of the site-specific seismic hazard analysis per the 2016 California Building Code (CBC) and ASCE 7-10 (ASCE/SEI 2013) for the proposed Elizabeth Learning Center Campus Modernization Program in Cudahy, California. The subsurface soil conditions used in this study were obtained from our field exploration program.

According to 2016 CBC and ASCE 7-10, ground motions are supposed to be developed for the Risk-Targeted Maximum Considered Earthquake (MCE_R) and the Design Earthquake. The site-specific MCE_R spectrum is calculated as the lesser of the probabilistic spectrum (two percent probability of exceedance in 50 years) and the deterministic spectrum. The MCE_R is associated with a risk associated with one percent probability of collapse in 50 years. It should be noted that the MCE_R should be based on the values in the maximum rotated direction. The deterministic spectrum is calculated as 84^{th}-percentile five percent damped spectral response acceleration in the direction of largest maximum horizontal response. As stipulated by ASCE 7-10 Section 21.3, the design response spectral accelerations are calculated as two-thirds of the MCE_R spectral accelerations except that the design spectral accelerations shall not be taken as less than 80 percent of spectral accelerations determined in accordance with ASCE 7-10 Section 11.4.5 using the mapped values of S_S and S_1. The 2008 USGS seismic sources developed for the seismic national zoning map were used in this study.

The steps involved in this section are outlined in the bullets below and presented in detail in the following sections.

- Site characterization to define Site Class per 2016 CBC and ASCE 7-10;
- Perform a site-specific probabilistic seismic hazard analysis for the Risk-Targeted Maximum Considered Earthquake (MCE_R) per ASCE 7-10 Section 21.2.1;
- Perform a site-specific deterministic seismic hazard analysis for the MCE_R per ASCE 7-10 Section 21.2.2;
- Develop the site-specific Risk-Targeted MCE_R, which is the lesser of the spectral accelerations from the probabilistic MCE_R and deterministic MCE_R (ASCE 7-10 Section 21.2.3);

- Develop the design response spectrum and design acceleration parameters in accordance with ASCE 7-10 Section 21.3 and Section 21.4 respectively;
- Calculate the site-specific Maximum Considered Earthquake Geometric Mean (MCE_G) Peak Ground Acceleration; and,

2.0 PROJECT LOCATION

The site is located in Cudahy, California. The address and site coordinates are:

Address: 4811 Elizabeth Street
Cudahy, California

Latitude: 33.9635^{o} N

Longitude: 118.18305^{O} W

3.0 SITE CHARACTERIZATION

In developing site-specific ground motions, the characteristics of the soils underlying the site are an important input to evaluate the site response at a given site. Based on the field exploration we performed, the site is classified as Site Class D as presented in Table 20.3-1, ASCE 7-10 and Chapter 20 of ASCE 7-10. Site Class D is defined as stiff soil with average shear wave velocities (V_S) between 600 ft/s (about 183 m/s) and 1,200 ft/s (about 366 m/s), average standard penetration resistance (N) between 15 and 50, or average undrained shear strength (S_U) between 1,000 psf and 2,000 psf for the upper 100 feet (about 30 meters). We assumed a V_{s30} value of 270 m/s for this site. For our site-specific analyses, we used Site Class D. These assumptions were deemed appropriate by using correlations of V_s with SPT blowcounts (Brandenburg, Bellana, and Shantz (2010) and Dickenson (1994)) and cone penetration test data (Robertson (2009)) and approximating V_{s30} using our explorations shown in Figure 2.

4.0 GROUND MOTION PREDICTION EQUATIONS

Site-specific ground motions can be influenced by the types of faulting, magnitudes of the earthquakes, and local soil conditions. Ground Motion Prediction Equations (GMPE) account for these effects and are used to make estimates of ground motion at a site resulting from a scenario earthquake.

Many GMPEs have been developed to estimate the variation of spectral acceleration with earthquake magnitude and distance from the site to the source of an earthquake. Under a

Pacific Earthquake Engineering Research (PEER) Center project entitled "Next Generation Attenuation of Ground Motions (NGA)," five teams have developed and presented GMPEs for shallow crustal earthquakes in Western North America. These relationships are: Boore and Atkinson (2008), Campbell and Bozorgnia (2008), Chiou and Youngs (2008), and Idriss (2008).

The NGA GMPEs were developed from statistical analyses of recorded worldwide earthquakes, including the records from the 1989 Loma Prieta earthquake, the 1992 Landers earthquake, the 1994 Northridge earthquake, the 1995 Kobe earthquake, and more recent important earthquakes that were not included in the 1997 relationships like the 1999 Kocaeli (Turkey) earthquake and the 1999 Chi-Chi (Taiwan) earthquake. The NGA GMPEs provide geomean (GMRotI50) values of ground motions. To account for the direction of largest maximum horizontal response we used the method by Whittaker (2009).

We have not used Idriss (2008) as this GMPE is only applicable to V_{S30} > 450 m/s. For this project we used the models listed in the Table C-1 below.

TABLE C-1

GMPES USED IN THE SEISMIC HAZARD ANALYSIS

GMPE	Seismic Source
Boore and Atkinson (2008)	Fault/Background
Campbell and Bozorgnia (2008)	Fault/Background
Chiou and Youngs (2008)	Fault/Background

Some of the GMPEs require input for $Z_{1.0}$ (defined as the depth in meters to a layer with V_s = 1,000 m/s) and $Z_{2.5}$ (depth in km to a layer with V_s= 2,500 m/s). These two parameters intend to capture the basin effect on site response. We have used $Z_{1.0}$= 800m and $Z_{2.5}$=5.22 km. The depth to bedrock (Z1.0 and Z2.5) was calculated using Caltrans ARS online tools. For sites in southern California, the online tool utilizes data from the Community Velocity Model (CVM) Version 4 (http://scec.usc.edu/scecpedia/Community_Velocity_Model).

5.0 PROBABILISTIC SEISMIC HAZARD ANALYSIS

We have developed a response spectrum for the probability of exceedance of 2% in 50 years (return period of about 2,475 years) using a probabilistic seismic hazard analysis (PSHA). The PSHA analysis involves the selection of appropriate GMPEs to estimate the ground motion parameters, and through probabilistic methods, determination of spectral accelerations.

5.1 Probabilistic Analysis

The theory behind this analysis has been developed over many years (Cornell 1968, 1971, Merz and Cornell 1973, McGuire 2004) and is based on the "total probability theorem" and on the assumption that earthquakes are events that are independent of time and space from one another. According to this approach and assuming a Poisson process for ground motion occurrences, the probability of an event, *P*, is related to the annual frequency of exceedance of the ground motion γ and the exposure time *t* through

$$P = 1 - \exp(-\gamma t)$$

One earthquake hazard level, associated with the MCE_R, is defined to have a two percent probability of exceedance in 50 years, which corresponds to an exposure time or return period of about 2,475 years and an annual frequency of exceedance of 0.00040/year.

The PSHA can be explained through a four-step procedure as follows.

1. The first step involves identification and characterization of seismic sources and probability distribution of potential rupture within the source. Usually, uniform probability distributions are assigned to each source. The probability distribution of site distance is obtained by combining potential rupture distributions with source geometry.
2. The second step involves characterization of seismicity distribution of earthquake recurrence. An earthquake recurrence relationship such as Gutenberg-Richter recurrence is used to characterize the seismicity of each source.
3. The third step involves the use of GMPEs in assessing the ground motion produced at the site by considering the applicable sources and the distance of the sources to site. The variability of the GMPEs is also included in the analysis. The effects of site soil conditions and mechanism of faulting are accounted for in these GMPEs.

4. The fourth and the last step involve combining all of these uncertainties to obtain the probability of ground motion exceedance during a particular time period.

We used the commercially available computer program EZ-FRISK Version 7.65 (Risk Engineering, 2015) for our analysis.

5.2 Probabilistic Response Spectrum

The site-specific probabilistic response spectrum MCE_R for this project was developed based on a uniform-hazard approach. The uniform hazard approach assumes that the same level of hazard is uniformly applied to the entire response spectrum. Response spectral values for the MCE_R in the direction of maximum horizontal response were represented by damping factor five percent of critical that are expected to achieve a one percent probability of collapse within a 50-year period.

The probabilistic MCE_R spectrum was defined as the product of the risk coefficient, C_R, and the spectral response acceleration from a five percent damped acceleration response spectrum having a two percent probability of exceedance within a 50-year period (Method 1, Section 21.2.1.1, ASCE 7-10). C_R may take different values depending on spectral periods, i.e., C_{RS} for periods less than or equal to 0.2 second, C_{R1} for periods greater than or equal to 1.0 second, and linear interpolation between C_{RS} and C_{R1} for periods between 0.2 and 1.0 second. The values of the risk coefficients C_{RS} and C_{R1} were obtained from the USGS website http://geohazards.usgs.gov/designmaps/us/application.php These values were found to be C_{RS}=0.968 and C_{R1}=0.991 respectively. The MCE_R probabilistic response spectrum is presented on Plate C-1.

6.0 DETERMINISTIC SEISMIC HAZARD ANALYSIS

Deterministic seismic hazard analysis (DSHA) is based on the characteristics of the earthquake and of the causative fault associated with the earthquake. These characteristics include such items as distance from the site to the causative fault and maximum magnitude of earthquake associated with that fault. The effects of local soil conditions and mechanism of faulting are accounted for in the GMPEs for the project site.

The DSHA can be explained through a four-step procedure as follows.

1. The first step involves identification and characterization of all seismic sources capable of producing significant ground motions at the site.

2. The second step involves estimating maximum magnitude of earthquake associated with the known seismic sources and establishing site to source distance. The distance may be expressed as closest distance to fault rupture plane (R_{RUP}), Joyner-Boore distance (R_{JB}) or Horizontal distance to the fault trace or surface projection of the top of rupture plane (R_X) depending on the GMPE.
3. The third step involves determining the *controlling earthquake(s)* and use of GMPEs in determining the ground motion produced at the site by considering the size of the earthquake occurring at the source and the distance of the source to site. The effects of the soil conditions and mechanism of faulting are accounted for in these GMPEs.
4. The fourth and last step involves formally defining the hazard in terms of spectral accelerations.

Deterministic procedure was used to estimate the 84th percentile five percent damped spectral response acceleration in the direction of maximum horizontal response at every spectral period. The largest such acceleration calculated for the characteristic earthquakes on all known active faults within the region was used. In calculating the spectral accelerations, we used the same GMPEs as in our PSHA.

The deterministic response acceleration spectrum should not be lower than the Deterministic Lower Limit (DLL) on MCE_R Response Spectrum presented on Figure 21.2.1, ASCE 7-10. Plate C-2 presents the Deterministic MCE_R Response Spectrum and the DLL for the project site.

7.0 DETERMINATION OF SITE-SPECIFIC MCE_R RESPONSE SPECTRUM

The site-specific MCE_R response spectrum was defined according to Section 21.2.3, ASCE 7-10 as the lesser spectral accelerations from the probabilistic or deterministic response spectrum. The MCE_R response spectrum for this site is presented in Plate C-3.

8.0 DETERMINATION OF SITE-SPECIFIC DESIGN RESPONSE SPECTRA

The site-specific design response spectrum (DE) was determined according to Section 21.3, ASCE 7-10, as the two thirds of the values of the spectral accelerations calculated for the site-specific MCE_R response spectrum. As per ASCE 7-10, the design spectrum is greater than the 80% of the spectral amplitudes of the general map based design response spectrum except for periods between 0.05 and 0.125 second. For this range of periods the 80% of the spectral amplitudes of the general map based design response spectrum governs. The mapped or code-based spectra were determined using the USGS website:

http://geohazards.usgs.gov/designmaps/us/application.php.

The design response spectrum determination is presented in Plate C-4. The MCE_R and DE response spectra in digitized form is presented in Table C-2 below.

TABLE C-2. SITE-SPECIFIC HORIZONTAL RESPONSE SPECTRA

Period (s)	MCE_R Sa(g)	DE Sa (g)
0.01	0.82	0.54
0.05	0.98	0.72
0.06	1.07	0.78
0.08	1.21	0.90
0.1	1.34	1.02
0.125	1.48	1.06
0.15	1.60	1.06
0.2	1.71	1.14
0.25	1.76	1.18
0.3	1.81	1.20
0.4	1.79	1.19
0.5	1.85	1.23
0.75	1.66	1.11
1	1.47	0.98
1.5	1.07	0.71
2	0.81	0.54
2.5	0.63	0.42
3	0.52	0.35
3.5	0.44	0.29
4	0.39	0.26

9.0 SITE-SPECIFIC DESIGN ACCELERATION PARAMETERS

The short period design spectral acceleration (S_{DS}) and 1-second period design spectral acceleration (S_{D1}) parameters were determined in accordance with ASCE 7-10 Section 21.4. The parameter S_{DS} is taken as the spectral acceleration at a period of 0.2 seconds or 90 percent of the highest spectral acceleration at periods larger than 0.2 seconds, whichever is greater. The parameter S_{D1} is taken as the design spectral acceleration at a period of 1 second or two times

the spectral acceleration at the 2 second period, whichever is greater. The parameters S_{MS} and S_{M1} shall be taken as 1.5 times S_{DS} and S_{D1} respectively. The values so obtained shall not be less than 80 percent of the values determined in accordance with ASCE 7-10, Section 11.4.3 for S_{MS} and S_{M1} and Section 11.4.4 for S_{DS} and S_{D1}. Table C-3 presents the site-specific design acceleration parameters.

TABLE C-3. SEISMIC DESIGN PARAMETERS

Design Parameters	General Seismic Design Parameter (ASCE 7-10 Sectopm 11.4)	Site-Specific Seismic Desgin Parameters (ASCE 7-10 Section 21.4)
S_s (g)	1.98	-
S_1 (g)	0.697	-
Site Class	D	D
F_a	1.0	-
F_v	1.5	-
S_{MS} (g)	1.98	1.71
S_{M1} (g)	1.05	1.62
S_{DS} (g)	1.32	1.14
S_{D1} (g)	0.70	1.08

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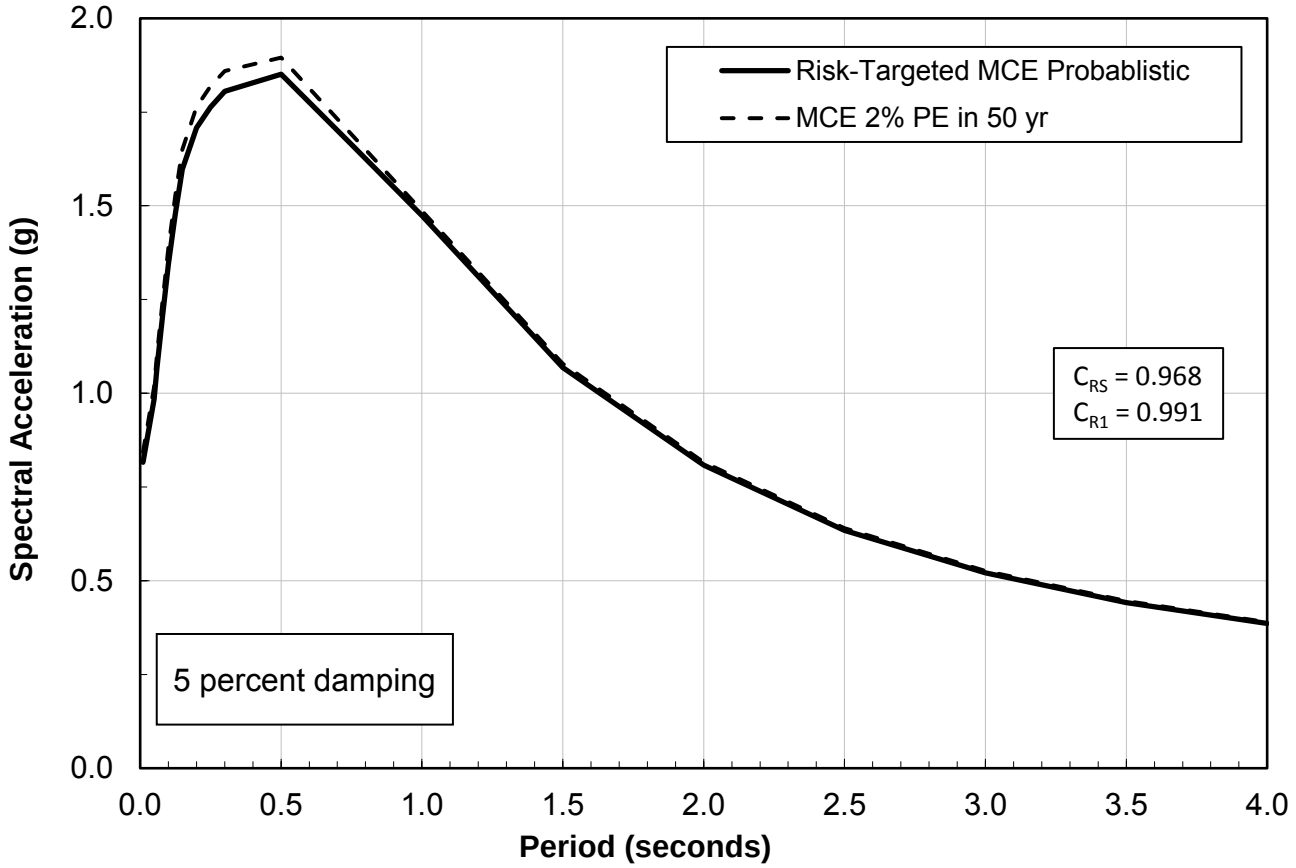
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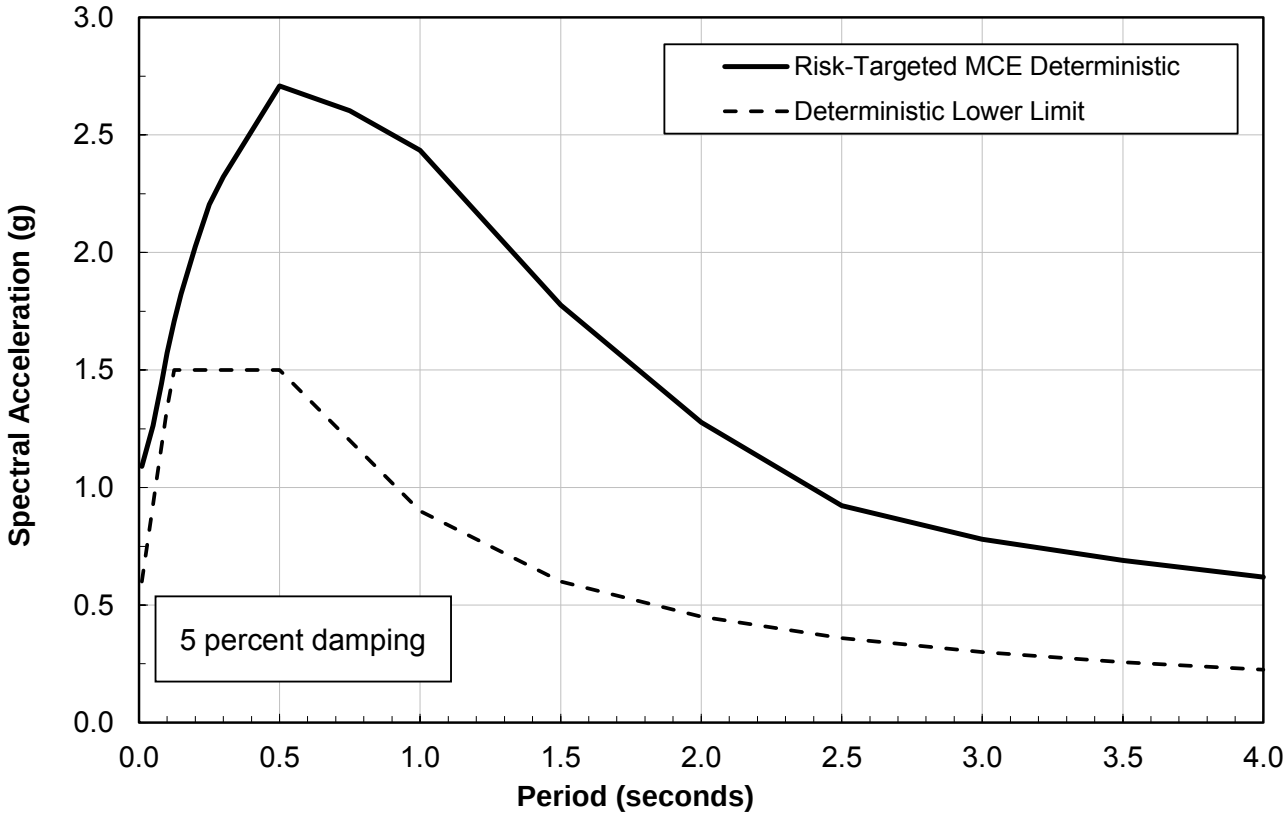
PLATES

Risk-Targeted MCE_R Probablisitic Response Spectrum



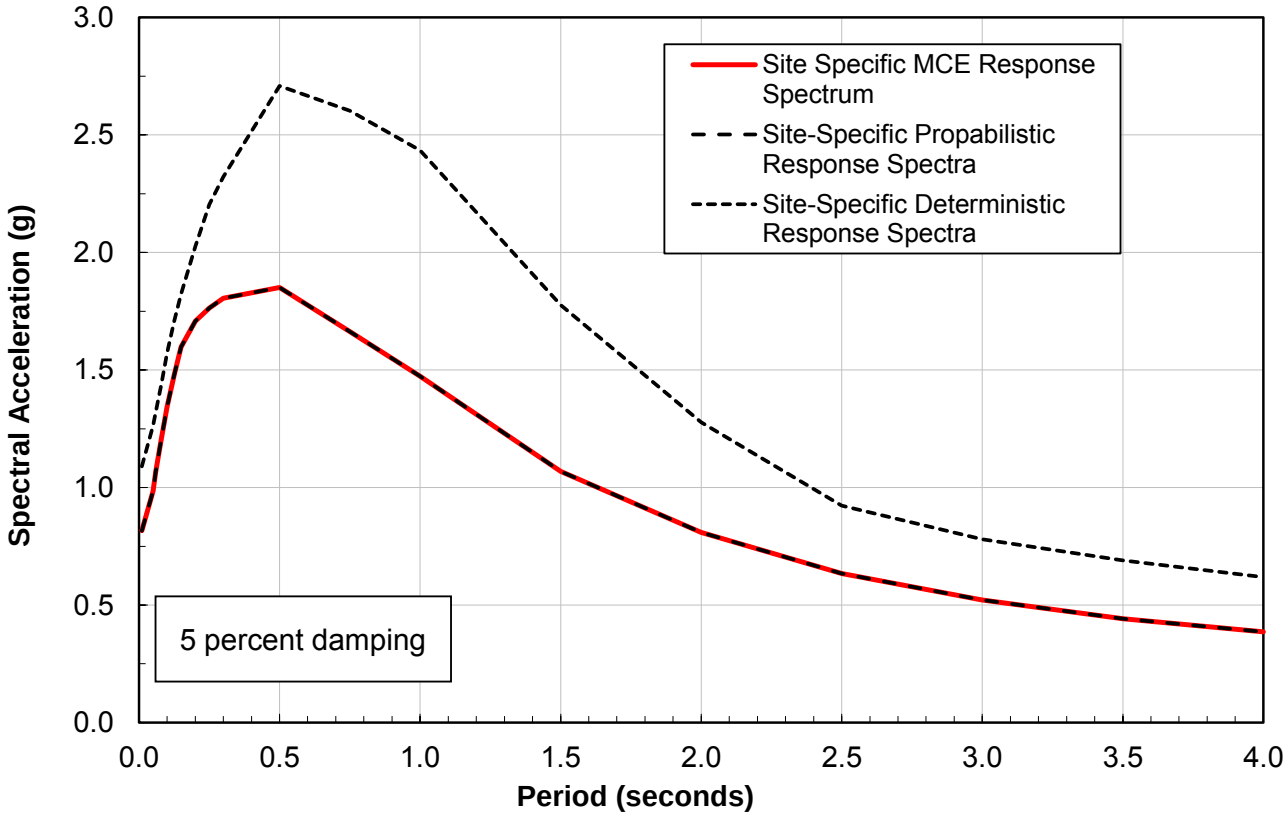
		MCE_R Probabilistic Response Spectrum Site Class D	PLATE
By: CW	Reviewed by: ET	LAUSD ELIZABETH LC	C-1
Project # LA-1321	4/27/2017		

Risk-Targeted MCE_R Deterministic Response Spectrum



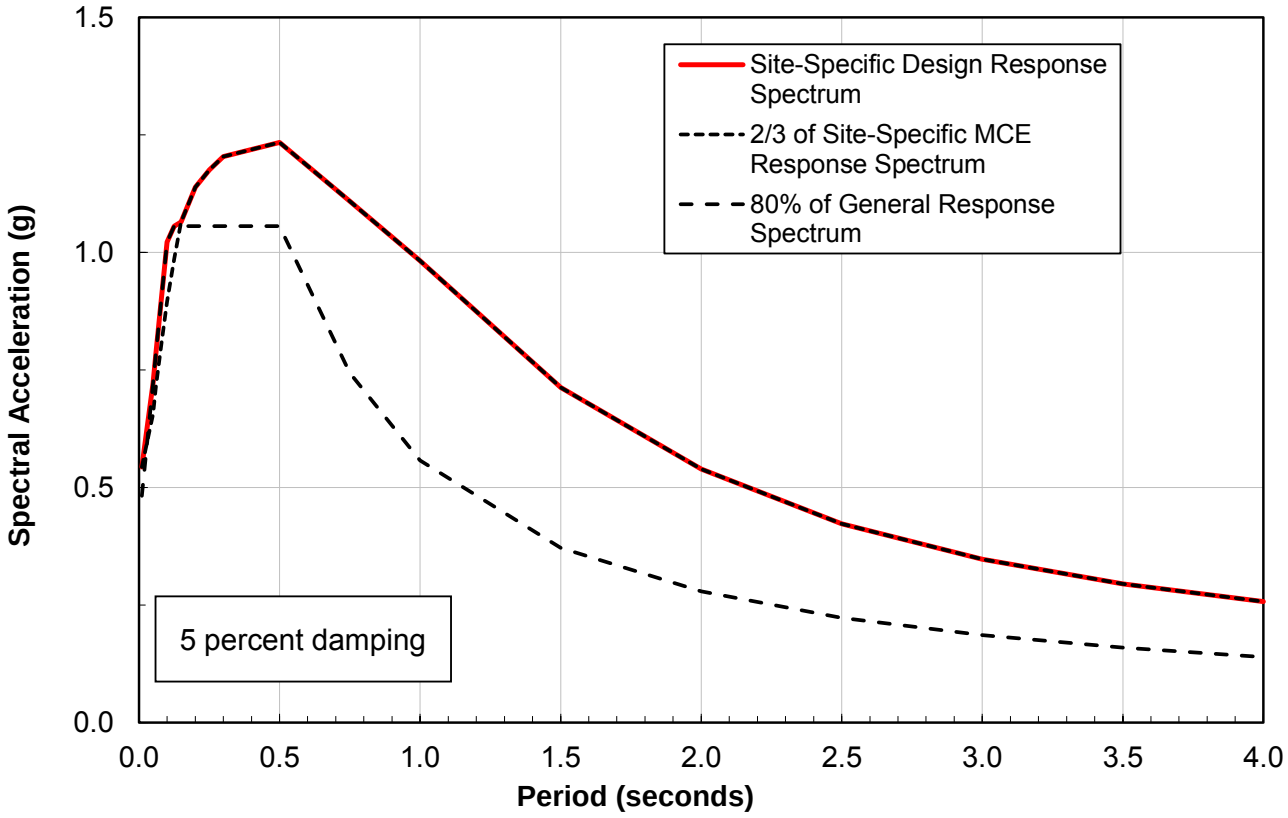
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By: CW	Reviewed by: ET	LAUSD ELIZABETH LC	C-2
Project # LA-1321	4/27/2017		

Risk-Targeted MCE_R Site Specific Response Spectrum



		Site-Specific MCE_G Response Spectrum Site Class D	**PLATE**
By: CW	Reviewed by: ET	**LAUSD ELIZABETH LC**	**C-3**
Project # LA-1321	4/27/2017		

Site Specific Design Response Spectrum

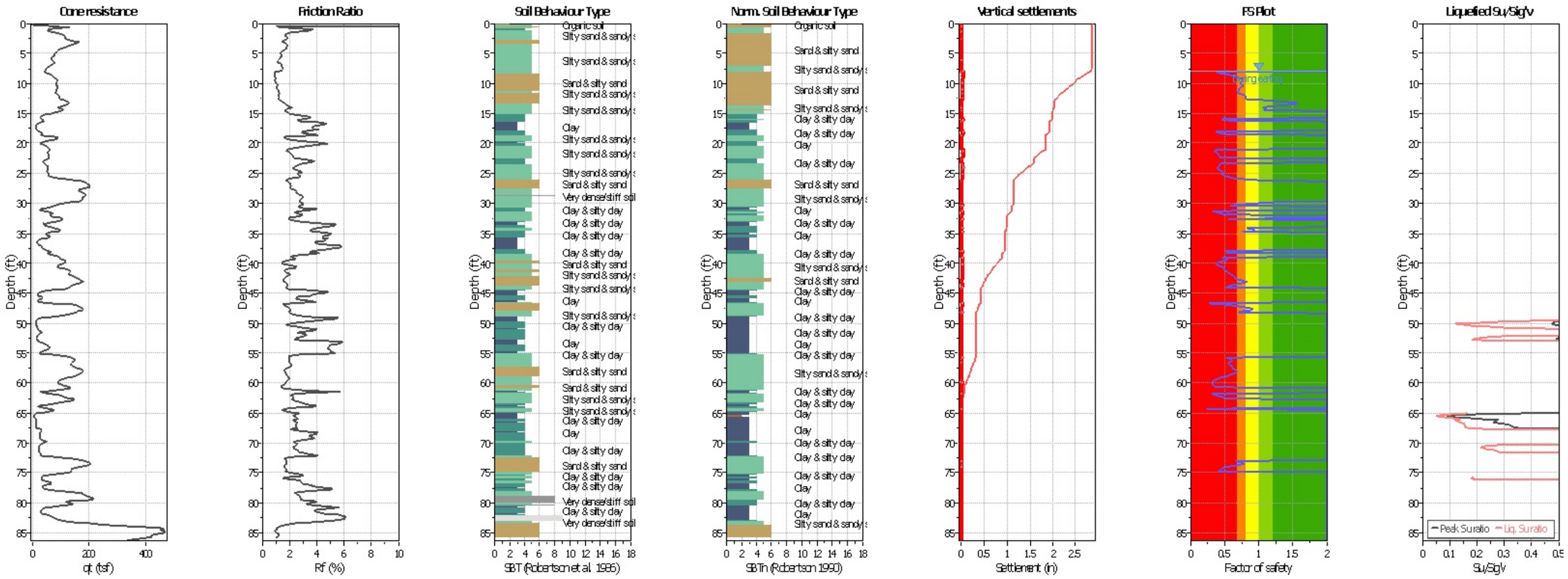


		Site-Specific Design Response Spectrum Site Class D	**PLATE**
By: CW	Reviewed by: ET	**LAUSD ELIZABETH LC**	**C-4**
Project # LA-1321	4/27/2017		

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Project: **LA1321 Elizabeth LC**
Location: **4811 Elizabeth Street, Cudahy, CA**

CPT: CPT-02
Total depth: 86.29 ft

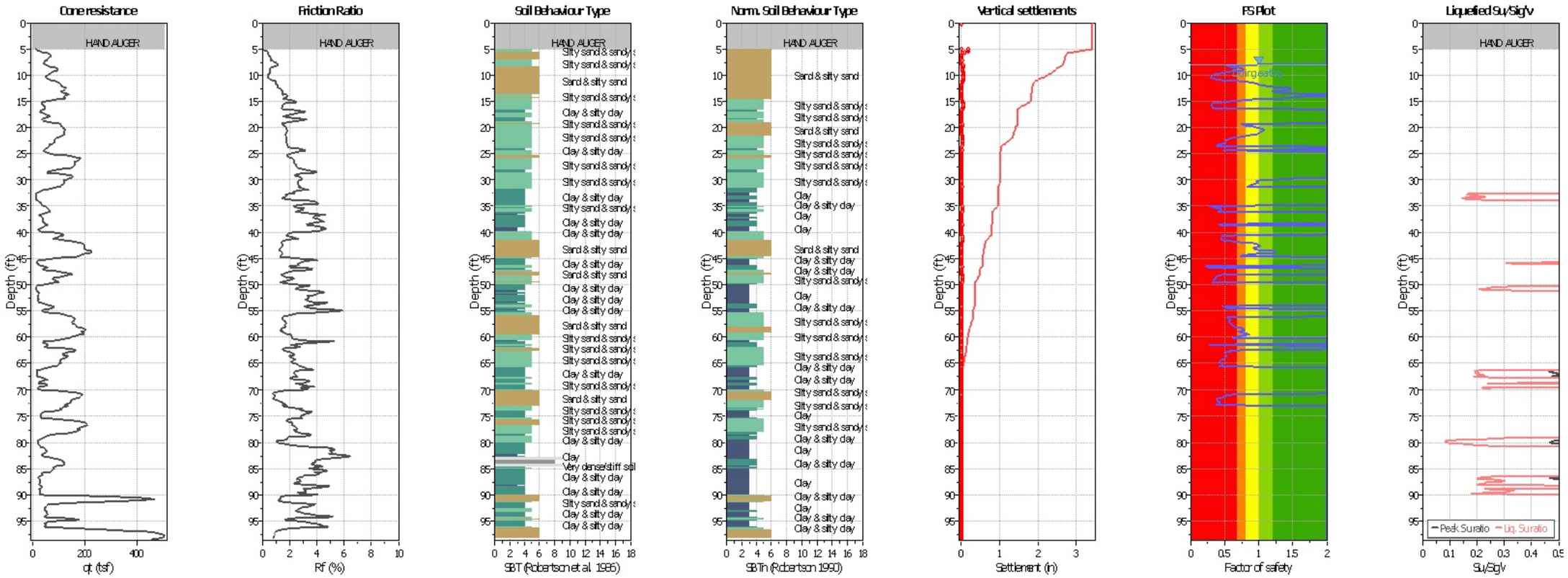


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Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w:	6.66	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	Limit depth:	75.00 ft
Peak ground acceleration:	0.74	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based

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Project: **LA1321 Elizabeth LC**
Location: **4811 Elizabeth Street, Cudahy, CA**

CPT: CPT-04
Total depth: 98.75 ft

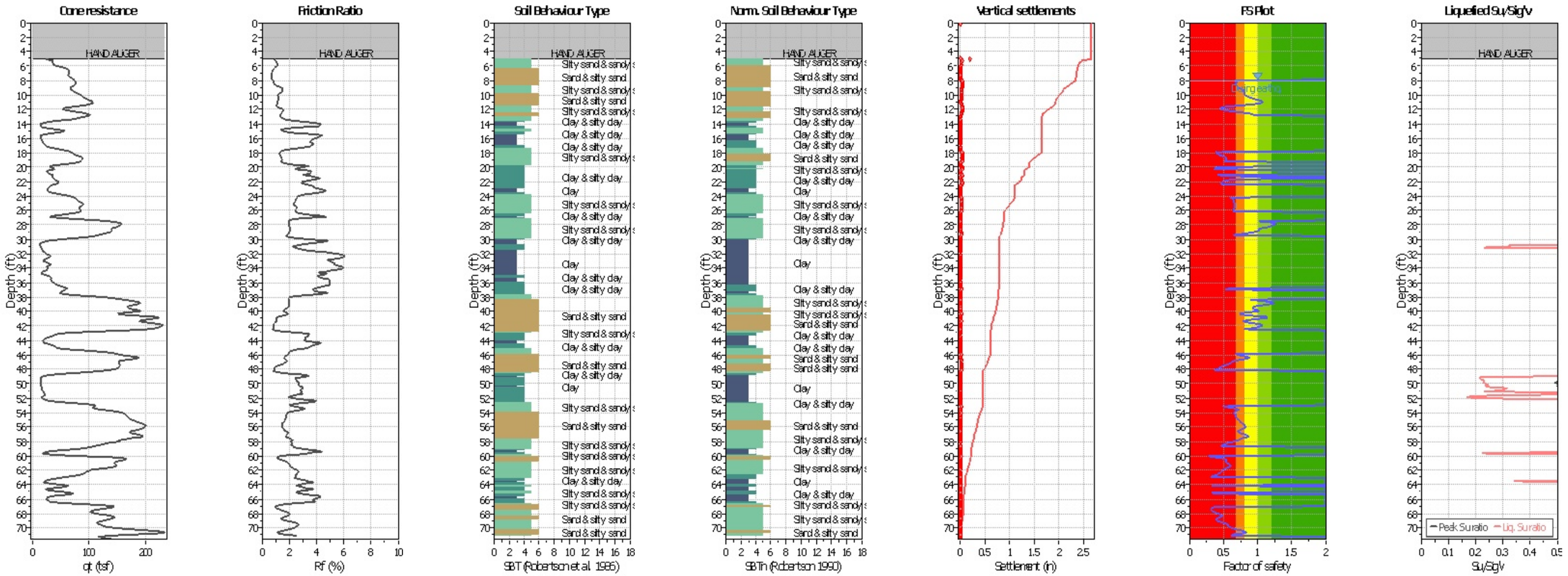


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Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	8.00 ft	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	75.00 ft
Earthquake magnitude M_w:	6.66	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.74	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

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Project: **LA1321 Elizabeth LC**
Location: **4811 Elizabeth Street, Cudahy, CA**

CPT: CPT-05
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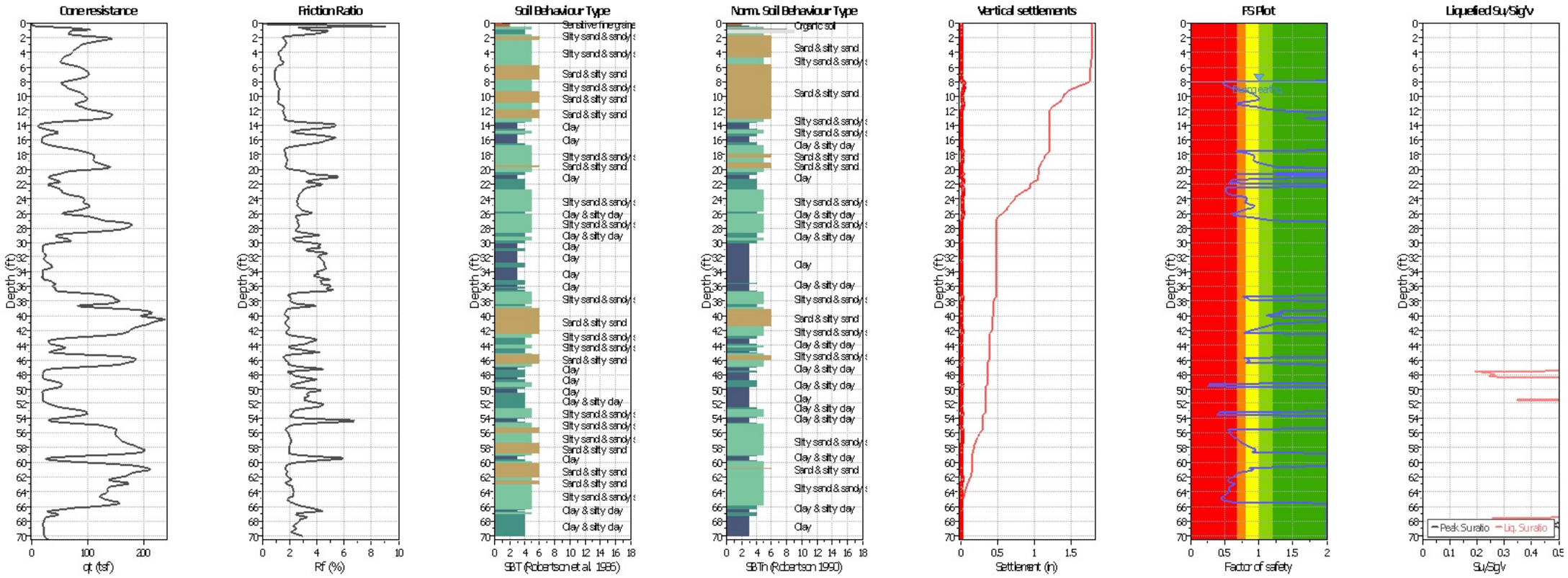


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Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	8.00 ft	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	75.00 ft
Earthquake magnitude M_w:	6.66	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.74	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

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Project: **LA1321 Elizabeth LC**
Location: **4811 Elizabeth Street, Cudahy, CA**

CPT: CPT-07
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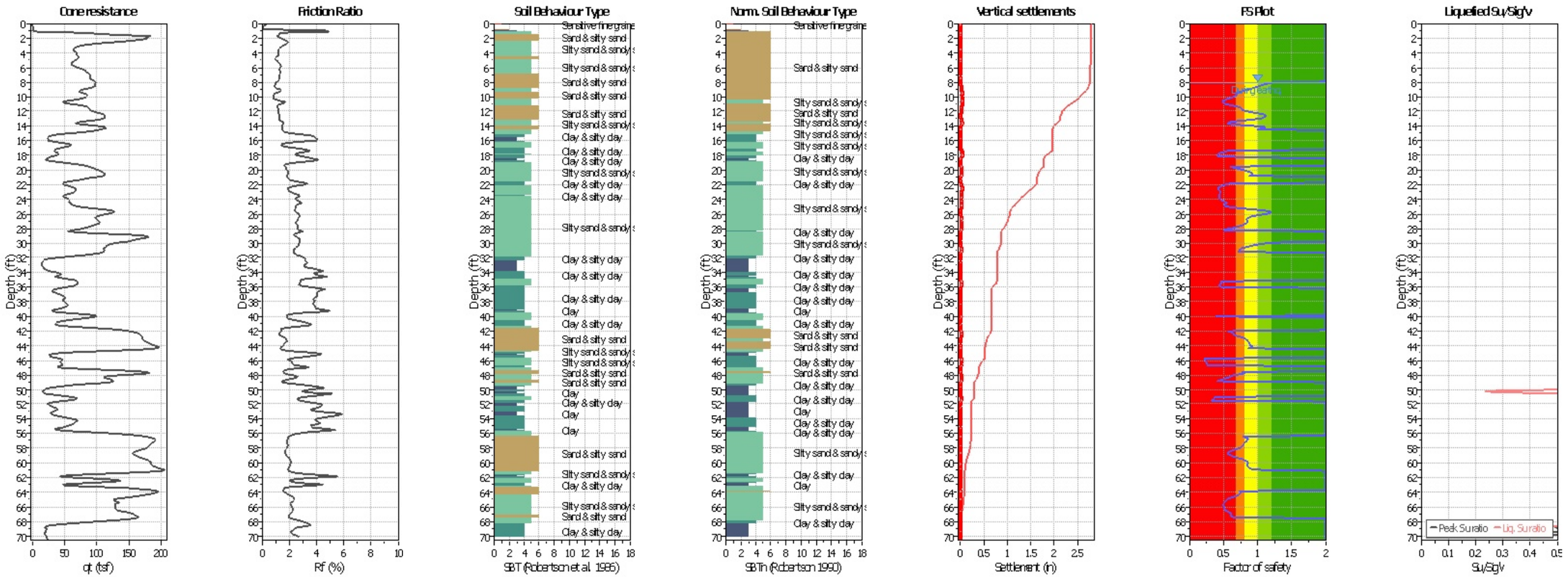


Analysis method:	NCEER (1998)	G.W.T. (in-situ):	8.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	8.00 ft	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	75.00 ft
Earthquake magnitude M_w:	6.66	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.74	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

GeoLogismiki
Geotechnical Engineers
Merarhias 56 - Serrai - Greece
http://www.geologismiki.com

Project: **LA1321 Elizabeth LC**
Location: **4811 Elizabeth Street, Cudahy, CA**

CPT: CPT-09
Total depth: 70.54 ft

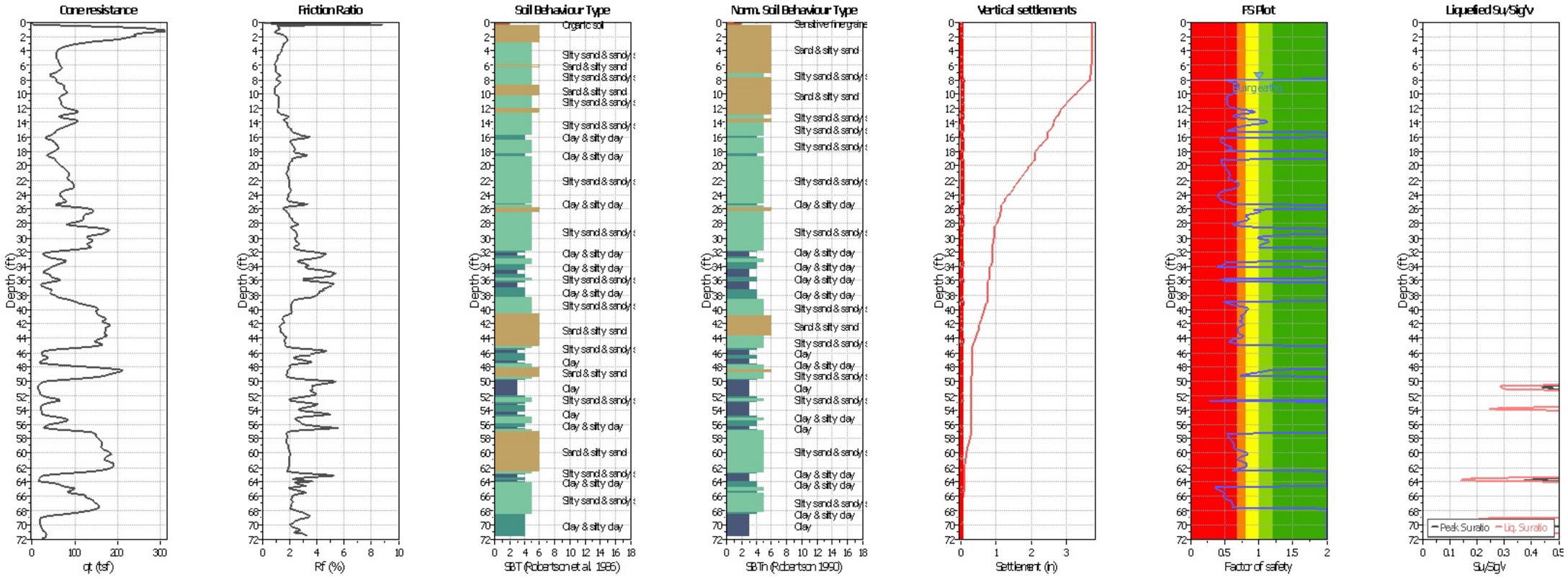


Analysis method:	NCEER (1998)	G.W.T. (in-situ):	8.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	8.00 ft	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	75.00 ft
Earthquake magnitude M_w:	6.66	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.74	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

GeoLogismiki
Geotechnical Engineers
Merarhias 56 - Serrai - Greece
http://www.geologismiki.com

Project: **LA1321 Elizabeth LC**
Location: **4811 Elizabeth Street, Cudahy, CA**

CPT: CPT-10
Total depth: 72.01 ft



Analysis method:	NCEER (1998)	G.W.T. (in-situ):	8.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	8.00 ft	Fill height:	N/A		
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w:	6.66	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	Limit depth:	75.00 ft
Peak ground acceleration:	0.74	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based

FINAL
PHASE I ENVIRONMENTAL SITE ASSESSMENT

Los Angeles Unified School District
4811 Elizabeth St., Cudahy, Los Angeles County, California, 90201

Prepared for:
Office of Environmental Health and Safety
Los Angeles Unified School District
333 South Beaudry, 21st Floor (21-224-03)
Los Angeles, California 90017

Prepared by:
Aptim Environmental & Infrastructure, Inc.
18100 Von Karman, Suite 450
Irvine, California 92612

Project No. 631229589
September 7, 2017

Final
Phase I Environmental Site Assessment

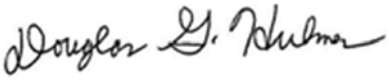
Los Angeles Unified School District
4811 Elizabeth St., Cudahy, Los Angeles County, California, 90201

September 7, 2017

In accordance with ASTM International Practice E1527-13, §12.13, APTIM provides the following statements:

"We declare that, to the best of our professional knowledge and belief, we meet the definition of environmental professional as defined in §312.10 of 40 C.F.R. Part 312 and

"We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 C.F.R. Part 312."



September 7, 2017

Douglas G. Hulmes
Project Scientist
Primary Author

Date



September 7, 2017

Todd K. Lippman, P.G.
Operations Manager
Reviewer

Date

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Acronyms and Abbreviations

AAI Rule	*Standards and Practices for All Appropriate Inquiries, Final Rule*
APTIM	Aptim Environmental & Infrastructure, Inc.
AST	aboveground storage tank
ASTM	ASTM International
AUL	Activity and Use Limitation
C.F.R.	Code of Federal Regulations
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CREC	controlled recognized environmental condition
EDR®	Environmental Data Resources, Inc.®
EP	environmental professional
ESA	Environmental Site Assessment
HREC	historical recognized environmental condition
LAUSD	Los Angeles Unified School District
PCB	polychlorinated biphenyl
RCRA	Resource Conservation and Recovery Act
REC	recognized environmental condition
U.S.C.	United States Code
USEPA	United States Environmental Protection Agency
UST	underground storage tank
VEC	vapor encroachment condition

EXECUTIVE SUMMARY

Aptim Environmental & Infrastructure, Inc. (APTIM) has completed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM International (ASTM) Designation E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM Practice E1527) of the below listed property (the Property). The scope of services, findings, opinions, and conclusions completed and presented by APTIM in this Phase I ESA report (this Report) have been developed and expressed for the sole and exclusive use of Los Angeles Unified School District.

Cited below is an overview of the project, including a summary of APTIM's significant findings:

Property Location and Legal Description		
Name/Address	Tax Key Parcel	Brief Legal/Deed Description/Comments
Elizabeth Street School 4811 Elizabeth St., Cudahy, Los Angeles County, California, 90201	Parcel Numbers: 6226-032-903 (main) 6226-024-900 6226-024-901 6226-024-902 6226-024-903 6226-024-904 6226-024-905 6226-024-906 6226-024-907 6226-024-908 6226-024-909 6226-031-900 6226-031-901 6226-025-900	Main Parcel (6226-032-903): TRACT NO 180 LOTS 136,137,138,139,140,141 AND 142 AND LOT COM AT NE COR OFLOT 143 TH W ON N LINE OF SD LOT104.59 FT TH S 7¢05'27" W TO S LINE OFSD LOT TH E THEREON 104.3 FT TH N TO BEGPART OF LOT 143TR=180 EX OF ST LOT 118;

User of this Report:	Los Angeles Unified School District
Reason for Requesting the Phase I ESA:	Pre-Modernization Due Diligence
Date Project Authorized:	June 22, 2017
Date of Site Reconnaissance:	August 3, 2017

Property General Characteristics	
	Comments
Acreage, Structure(s), and General Improvements:	The Property is situated on 14 contiguous parcels of land comprised of approximately 16.7 acres. Access to the Property is from Elizabeth Street to the south. There are

Property General Characteristics	
	Comments
	several permanent structures as well as portable buildings for classrooms. Separate buildings for a wellness center and cafeteria are also on the Property. Athletic fields/courts are present on the northwest and northeast portions. The remainder of the Property is asphalted with small landscaped areas.
Status or General Operations:	Current kindergarten through grade 12 school. A wellness clinic is present near the southwest corner.

Summary of Property History and Occupancy (approximate dates)	
Dates	Property Use
1886 to early 1920's	The Property is undeveloped.
Early 1920's to mid 1970's	The main portion (southeastern majority) of the Property is utilized for a school. Other portions of the Property contained residential, small stores and hen houses at various times during this interval.
Mid 1970's to present	School and wellness center.

Conclusions

In accordance with ASTM Practice E1527-13, §12.8, APTIM provides the following statement:

"We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-13 of a facility located at 4811 Elizabeth St., Cudahy, Los Angeles County, California, 90201 (the Property). Any exceptions to, or deletions from, this practice are described in Section 7.2 of this Report."

Recognized Environmental Conditions

This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Property.

Controlled Recognized Environmental Condition

This assessment has revealed no evidence of controlled RECs in connection with the Property.

Historical Recognized Environmental Condition

This assessment has revealed no evidence of historical RECs in connection with the Property.

Vapor Encroachment Screening Opinions

This assessment has revealed no evidence of vapor encroachment conditions in connection with the Property.

De Minimis Environmental Conditions and Opinions

Based on the findings of this Report, it is APTIM's opinion that the Phase I ESA has revealed no evidence of *de minimis* conditions in connection with the Property.

1.0 INTRODUCTION

1.1 Purpose

Los Angeles Unified School District (LAUSD) retained Aptim Environmental & Infrastructure, Inc. (APTIM) to conduct a Phase I Environmental Site Assessment (ESA) on the Property as described in Section 2.1 of this Report.

The purpose of the Phase I ESA was to identify, to the extent feasible, recognized environmental conditions (RECs) in connection with the Property.

ASTM International (ASTM), a not-for-profit writing organization and developer of voluntary consensus standards, has promulgated the industry standard for content and conducting a Phase I ESA as set forth in ASTM Designation E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM Practice E1527-13). In accordance with the U.S. Environmental Protection Agency (USEPA) *Standards and Practices for All Appropriate Inquiries, Final Rule* (AAI Rule) and by direct reference in 40 Code of Federal Regulations (C.F.R.) Section 312.11(a), the procedures of ASTM Practice E1527-05 may be used to comply with the requirements set forth in the AAI Rule. As of November 1, 2013, ASTM Practice E1527-13 supersedes ASTM Practice E1527-05 and is substantially similar to ASTM Practice E1527-05 with additional clarifications and term designations. An amendment to 40 C.F.R., §312.11(a) directly referencing and codifying the November 2013 revised standard of ASTM Practice E1527 is pending. ASTM Practice E1527-13, §3.2, defines the following related terms:

> The term *recognized environmental condition* (REC) means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to a 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 RECs.
>
> The term *controlled recognized environmental condition* (CREC) is an REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations [AULs], institutional controls, or engineering controls).
>
> The term *historical recognized environmental condition* (HREC) means 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, AULs, institutional controls, or engineering controls). Before calling the past release an

HREC, the environmental professional (EP) must determine whether the past release is an REC at the time the Phase I ESA is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be an REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as an REC.

The term *de minimis condition* means a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* conditions are neither RECs nor CRECs.

The term *material threat* means a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the EP, is threatening and might result in impact to public health or the environment. An example might include an aboveground storage tank (AST) system that contains a hazardous substance and which shows evidence of damage. The damage would represent a material threat if it is deemed serious enough that it may cause or contribute to tank integrity failure with a release of contents to the environment.

The term *hazardous substance* is a substance defined as hazardous pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code (U.S.C.) §9601(14), as interpreted by USEPA regulations and the courts.

The term *petroleum products* is defined as those substances included within the meaning of the petroleum exclusion to CERCLA 42 U.S.C. §9601(14), as interpreted by the courts and USEPA, that is: petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of CERCLA 42 U.S.C. §9601(14), natural gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).

The term *vapor encroachment condition* (VEC) is defined as the presence or likely presence of chemicals of concern vapors (ASTM Guide E2600-10, Table X6.1) in the subsurface of the target property caused by the release of vapors from contaminated soil or groundwater or both, either on or near the target property as identified by ASTM Designation E2600-10: *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*. (The presence of a VEC combined with additional information may be determined [at the discretion of the EP] to be associated with an REC in connection with the Property.)

APTIM's performance of the Phase I ESA utilizing practices that constitute all appropriate inquiry into the previous ownership and uses of the Property, consistent with good commercial and customary practice, may allow the User to satisfy one of the requirements to qualify for the innocent landowner defense, contiguous property owner, or bona fide prospective purchaser liability limitations as stated in CERCLA (42 U.S.C. §9601[35], §9607[b][3], §9607[q], and §9607[r]).

1.2 Scope of Services

The Phase I ESA was performed and completed in general accordance with ASTM Practice E1527-13 and APTIM's proposal to LAUSD dated June 5, 2017. APTIM's proposal was accepted and work was authorized by LAUSD on June 29, 2017 (the "Agreement").

The scope of services for the Phase I ESA and the format of this Report generally follow the recommended table of contents as set forth in ASTM Practice E1527-13, Appendix X4.

The Phase I ESA was conducted and reviewed by qualified EPs meeting the education, training, and experience requirements as set forth in 40 C.F.R., §312.10(b). The services performed by APTIM for the Phase I ESA consisted of the following tasks:

1.2.1 Task 1 - Records Review

This task consisted of the acquisition and review of reasonably ascertainable records in the evaluation of potential RECs during the existing and prior use, ownership, and occupancy of the Property. Specifically, this task included the following elements:

- A review of federal, state, tribal, or local environmental databases (i.e., Environmental Data Resources, Inc.® [EDR®] environmental database radius search report or equivalent)
- A review of topographic, geologic, hydrogeologic, and aerial photographic maps to evaluate the physical setting and site characteristics
- A review of street/city directories, aerial photographs, topographic maps, historical maps, and fire insurance maps (i.e., Sanborn® maps) to provide information relative to the use, ownership, or occupancy of the Property from the present back to the Property's first developed use, or back to 1940, whichever is earlier
- A review of available environmental reports and documentation prepared and provided by others, where applicable and reasonably ascertainable (i.e., user provided documentation)
- A review of available documents from county, tribal, or state environmental regulatory agencies, where applicable and reasonably ascertainable (i.e., regulatory agency file review)
- A review of available documents and records from the local regulatory units and agencies of government, where applicable and reasonably ascertainable, including but not limited to the following:
  - Local Fire Department
  - Local Building Permit/Inspection Department
  - Local Department of Health/Environmental Services

- Local Tax Assessor
- Local/Regional Pollution Control Agency
- Local/Regional Water Quality Agency

1.2.2 Task 2 - Vapor Encroachment Screening - Tier 1

This task consisted of the review of known or likely contaminated sites and an evaluation of the sites for a potential vapor-phase contaminant migration condition to exist in, on, or at the Property. The screening evaluation associated with this task was completed in general compliance with ASTM Designation E2600-10: *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions* (ASTM Guide E2600-10) using Tier 1 Screening procedures or other scientific or industry standard methodologies.

1.2.3 Task 3 - Site Reconnaissance

This task consisted of a visual and physical site reconnaissance to evaluate the potential for RECs in, on, or at the Property. A visual or physical evaluation of properties in the general vicinity of the Property was also conducted from the Property or adjacent public thoroughfares during the site reconnaissance.

1.2.4 Task 4 - Interviews

This task consisted of conducting or making reasonable attempts to conduct interviews with available current or former owners, operators, property managers, facility managers, or occupants of the Property and to obtain information regarding the historical uses, occupancy, and ownership of the Property. This task, where applicable, also consisted of interviews with representatives of federal, state, tribal, or local units and agencies of government.

1.2.5 Task 5 - Teleconference

This task consisted of maintaining communications between APTIM and the User regarding the schedule and outcome of the records review and site reconnaissance, and also any identified RECs in connection with the Property. APTIM also inquired and obtained information relative to the User's business environmental risk tolerance or risk aversion and obtained direction from User relative to the inclusion of potential business environmental risk issues within this Report, if any.

1.2.6 Task 6 - Report

Following completion of Tasks 1 through 5 as identified above, APTIM prepared this Report. The format of this Report generally follows the recommended table of contents as set forth in ASTM Practice E1527-13, Appendix X4.

This Report includes documentation to support the analysis, findings, opinions, and conclusions developed by APTIM. All sources, including those that revealed no findings, are sufficiently documented to facilitate reconstruction of the research at a later date. Deletions, deviations, and additions from the ASTM Practice E1527-13 standard, if any, are listed in detail.

1.3 Significant Assumptions

In performing the Phase I ESA and preparing this Report, APTIM made the following assumptions:

- Actual knowledge and information supplied by others is complete and accurate and has been provided in good faith.
- Information provided by local public record sources is complete and accurate.
- Information provided by the selected environmental records database vendor is complete and accurate.
- Uses of the Property, as evidenced by historical records, remained substantially unchanged during periods for which no records are available.
- Release incidents listed on USEPA or state environmental registries as having a "closed" status do not represent a direct environmental cleanup liability to the current owner or operator of the Property at this time. The identification of continuing obligations and compliance therewith, if any, is beyond the purpose and scope of the Phase I ESA.

1.4 Limitations and Exceptions

No ESA or vapor encroachment screening can wholly eliminate uncertainty regarding the potential for RECs in connection with the Property. Performing a Phase I ESA in conformance with ASTM Practice E1527-13 and a vapor encroachment screening in conformance with ASTM Guide E2600-10 is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs and VECs to exist in connection with the Property, while recognizing reasonable limits of time and cost.

The information contained in this Report, including the opinions and conclusions of APTIM, is based on the information made available to APTIM during the time period of the Phase I ESA. Because this Report is based upon information which was made available to APTIM, some of the conclusions could be different if the information upon which it is based is determined to be false, inaccurate, or contradicted by additional information.

APTIM performed services, obtained findings, and developed opinions and conclusions in accordance with generally and currently accepted professional practices and standards governing recognized firms in the area engaged in similar work.

APTIM makes no representation concerning the legal significance of the findings or the value of the Property investigation. APTIM has no contractual liability to any third party for the information or opinions in this Report.

Site- and project-specific physical limitations and exceptions relative to User- or Client-provided information, records reviews, interviews, or site reconnaissance activities are discussed in detail within respective sections of this Report.

Other Federal, State, or Local Environmental Laws

The Phase I ESA was completed in conformance with ASTM Practice E1527-13 and does not address any other requirements by state-specific or local environmental laws, if any, or any federal laws other than the all appropriate inquiry provisions and limited liability protections of the AAI Rule, 40 C.F.R., Part 312.

1.5 Special Terms and Conditions

The Phase I ESA has been completed in accordance with the APTIM proposal and requested scope of services outlined and specified in Section 1.2 of this Report and is subject to reasonable time and cost constraints and the terms, conditions, and limitations declared in the Agreement.

The scope of the Phase I ESA and this Report was mutually developed by APTIM and LAUSD. No activity, including sampling, investigation, or evaluation of any material or substance may be assumed to be included in the Phase I ESA, unless such activity was expressly considered and referenced in the Agreement and this Report. Maps and drawings in this Report are included only to aid the reader and should not be considered surveys or engineering studies.

The observations, findings, and opinions of APTIM in this Report are based on APTIM's professional judgment concerning the significance of the data gathered during the course of the Phase I ESA. Specifically, APTIM does not and cannot represent that the Property contains hazardous or toxic substances or other latent conditions beyond those observed and evaluated by APTIM during the Phase I ESA. The findings of the assessment are based on the professional judgment of APTIM, based in part on the information directly or indirectly provided by third parties as specified in this Report. APTIM does not warrant the accuracy or completeness of information and independent opinions, conclusions, and recommendations provided by others, and assumes no responsibility for documenting conditions detectable with methods or techniques not specified in the Agreement. As previously noted, if conditions

change or additional data become available, the opinions, findings, and conclusions presented in this Report may require modification.

1.6 User Reliance

The scope of services, findings, opinions, and conclusions completed and presented by APTIM in this Report have been developed and expressed for the sole and exclusive use of the User. Reliance by any third party on the facts, opinions, or conclusions in this Report is not contemplated. The scope of services for the Phase I ESA may not be appropriate for the needs of others, and the use or re-use of this Report and the findings, opinions, or conclusions expressed and presented herein by any third party is at their sole risk.

Third Party Reliance and Reliance Letters

In the event that third party reliance is requested by the User, a reliance letter may be issued under separate cover. Third parties may only rely on this Report subject to the same terms and conditions of APTIM's general terms and conditions.

Continued Viability

The viability of this Report is subject to the time limitations as set forth in ASTM Practice E1527-13, §4.6. This Report is presumed valid and may be used for the sole and exclusive use of the User if the date of the Property acquisition or the date of the intended transaction is within 180 days of the completion date of the search for environmental liens, interviews, environmental database search, or site reconnaissance, whichever is earlier (in general, the date of this Report).

If the date of acquisition or the date of the intended transaction is beyond 180 days yet within one year of the completion date of this Report, the Report is presumed valid and may be used provided that the following components are updated:

- Interviews with owners, operators, and occupants
- Searches for recorded environmental cleanup liens
- Reviews of federal, tribal, state, and local government records
- Reconnaissance of the Property and adjoining properties
- A declaration by the EP responsible for the assessment or update

2.0 PROPERTY DESCRIPTION

2.1 Location and Legal Description

Figure 1 (Site Location Map) provided in Appendix A illustrates the general location of the Property.

Location and Legal Description		
Name/Address	Tax Key Parcel	Brief Legal/Deed Description/Comments
4811 Elizabeth St., Cudahy, Los Angeles County, California, 90201	Parcel Numbers: 6226-032-903 (main) 6226-024-900 6226-024-901 6226-024-902 6226-024-903 6226-024-904 6226-024-905 6226-024-906 6226-024-907 6226-024-908 6226-024-909 6226-031-900 6226-031-901 6226-025-900	Main Parcel (6226-032-903): TRACT NO 180 LOTS 136,137,138,139,140,141 AND 142 AND LOT COM AT NE COR OFLOT 143 TH W ON N LINE OF SD LOT104.59 FT TH S 7¢05'27" W TO S LINE OFSD LOT TH E THEREON 104.3 FT TH N TO BEGPART OF LOT 143TR=180 EX OF ST LOT 118;

Source: Los Angeles County interactive GIS website.

2.2 Property and Vicinity General Characteristics

Figure 2 (Aerial Photograph) provided in Appendix A illustrates the former and current configuration of the Property. Photographs of the Property and adjacent properties are provided in Appendix B.

Property General Characteristics	
Issue	Comments
Acreage, Structure(s), and General Improvements:	The Property is situated on 14 contiguous parcels of land comprised of approximately 16.7 acres. Access to the Property is from Elizabeth Street to the south. There are several permanent structures as well as portable buildings for classrooms. Separate buildings for a wellness center and cafeteria are also on the Property. Athletic fields/courts are present on the northwest and northeast portions. The remainder of the Property is asphalted with small landscaped areas.
Status or General Operations:	Current kindergarten through grade 12 school. A wellness clinic is present near the southwest corner.

Vicinity General Characteristics	
Issue	Comments
General Setting and Age of Developments	Mixed residential/commercial use. Significant development of the area began in the 1920's.

2.3 Current Use of the Property

Current Use of Property	
Issue	Comments
Special/Unique Operations:	None
Approximate Year of Existing Operations or Development(s):	The oldest buildings onsite were constructed in the 1920's.
Hazardous Substances Present:	Small containers of janitorial supplies and 5-gallon buckets of paint.
Petroleum Products Present:	One 55-gallon drum of diesel, one 55-gallon drum of gasoline. Hydraulic fluid for elevators.

2.4 Description of Structures, Roads, and Other Improvements

Figure 2 illustrates general improvements, development, or functional areas on or near the Property. Photographs of the Property and adjacent properties are provided in Appendix B.

Description of Structures, Roads and Other Improvements		
Issue	Comments	
Building/Footprint Square Footage:	Buildings cover approximately 30% of the Property.	
Number of Stories:	One-story and two-story	
Basement:	None	
General Construction Materials:	The main building is brick, the others are primarily wood/stucco.	
Energy Source(s) for Heating:	Natural gas for heat; electric air conditioner	
Ingress/Egress: (roads, railroads, etc.)	North:	Clara Street
	South:	Elizabeth Street
	West:	None
	East	None
Estimated Percentage of Property Covered by Buildings and Pavement:	95%	
Other Improvements: (vaults, lifts, elevators, truck docks, etc.)	Two elevators	

The Property or structures are serviced by the following private or municipal utility companies:

Description of Utilities		
Utility	Utility Provider	Comments
Sewerage	City of Los Angeles	
Potable Water Source	Mutual Water Co.	
Natural Gas	So. Cal Gas Co.	
Electric:	SCE	
Emergency Power	N/A	

2.5 Current Use of Adjoining Properties

Figure 2 illustrates general improvements, development, or functional areas on or near the Property and adjoining properties. Photographs of adjoining properties are provided in Appendix B.

Current Use of Adjoining Properties			
Direction	Right-of-Way/Facility Name/Address	Comments	*Gradient from the Property
North:	Clara St./Park/Residential	None	Up-gradient
South:	Elizabeth St./Residential/Market	None	Down-gradient
West:	Commercial/Residential	None	Cross-gradient
East:	Park/Residential	None	Cross-gradient

**Hydraulic gradient based on reported groundwater data or inferred based on physical setting sources.*

3.0 USER PROVIDED INFORMATION

In accordance with ASTM Practice E1527-13, §6, the User of a Phase I ESA Report has specific obligations for performing tasks during the assessment process that will help identify the possibility of RECs in connection with the Property. These tasks (e.g., chain-of-title, environmental lien and AUL research, fair market valuations) do not require the technical expertise of an EP and are generally not performed by the EP unless explicitly added by a change in the Phase I ESA scope of work. Furthermore, these tasks may not be material to the identification of RECs in connection with the Property.

The Property contact information, known history, and environmental information was obtained by the administration of the APTIM *User Questionnaire*, derived in part from ASTM Practice E1527-13, Appendix X3 and ASTM Guide E2600-10, Appendix X3.

User Provided Information	
Issue	Comments
Title Records	Recorded land title records were not provided to APTIM for review by the User.
Environmental Liens	No environmental liens associated with the Property were provided to APTIM for review by the User. However, APTIM acquired an environmental lien and AUL report for the main parcel as part of the Phase I ESA. (No environmental liens or AULs are described in the APTIM acquired EDR® report.)
AULs	With the exception of general municipal zoning and associated land use limitations, no environmental related activity and land use limitations associated with the Property were provided to APTIM for review by the User; however, APTIM acquired an environmental lien and AUL report for the parcel as part of the Phase I ESA. (No environmental liens or AULs are described in the APTIM acquired EDR® report.)
Judicial Records	No judicial records containing environmental liens or AULs associated with the Property were provided to APTIM for review by the User.
Specialized Knowledge or Experience	No specialized knowledge or experience was noted for the Property.
Commonly Known or Reasonably Ascertainable Information	No commonly known or reasonably ascertainable information was provided to APTIM by the User.
Valuation Reduction for Environmental Issues	The Property is not known to be subject to a valuation reduction for any known environmental conditions. APTIM did not perform a review or evaluation of Property assessment or valuation records as part of the Phase I ESA.
Owner/Property Manager/Occupant Information	Owner Los Angeles Unified School District
Reason for Performing the Phase I ESA	Pre-Modernization Due Diligence

User Provided Information	
Issue	Comments
Environmental Litigation, Administrative Proceedings or Regulatory Issued Violations	No pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the Property are known or were provided to APTIM. No pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the Property are known or were provided. No pending, threatened, or past notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products in, on, or from the Property are known or were provided.
Property plans/site layouts/descriptions:	None
Previous Environmental Reports – Property	None

4.0 RECORDS REVIEW

4.1 Environmental Reports and Documentation

No previous environmental reports or documentation were provided to APTIM.

APTIM requested an environmental regulatory database search for the Property and properties within respective ASTM approximate minimum search distances. The *EDR® Radius Map with GeoCheck Report®* (Radius Report), including the date the report was prepared, the date the information was last updated, and the definition of databases searched, is provided in Appendix D.

Regulatory Database Assessment Criteria - Methodology and Limiting Conditions

In accordance with ASTM Practice E1527-13, §8.2.2, if the Property or adjoining properties are identified within standard environmental record sources (i.e., regulatory database search), pertinent and associated regulatory agency files or records should be reviewed. If, in the EP's opinion, such a review is not warranted, the EP must explain the justification for not conducting the file or records review. As an alternative, the EP may review files or records from an alternative source (for example, on-site records, User-provided records, records from local government agencies, interviews with regulatory officials or other individuals knowledgeable about the environmental conditions that resulted in the standard environmental record source listing, etc.).

APTIM reviewed the environmental database records identified in the Radius Report and evaluated each reported site with respect to the setting (residential, commercial, or industrial), the density (urban, rural, suburban), the distance that contaminants are likely to migrate based on local geological and hydrological conditions, and other reasonable factors.

Terms and database designations may differ from actual federal, state, tribal, or local environmental registry names. Where deemed necessary or applicable, supplemental database records were reviewed and file reviews or conversations with regulatory agency representatives were completed.

Vapor Encroachment Screening - Tier 1 - Methodology and Limiting Conditions

APTIM reviewed the environmental database records identified in the Radius Report and evaluated each reported site relative to a VEC, respective of the chemicals of concern, the distance that contaminants are likely to migrate based on local geological and hydrological conditions, sub-grade utility corridors and preferential pathways, structural components, mitigation devices, and other reasonable factors.

The vapor encroachment screening was completed in general compliance with ASTM Designation E2600-10: *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions* (ASTM Guide E2600-10) using Tier 1 Screening procedures. In addition, based on the inferred or known groundwater gradient as specified within this Report, APTIM adopted and implemented a reduced radius area of concern distance as calculated, suggested, and published by Buonicore, A. J., *A Smaller Intrusion*, Pollution Engineering, pp. 26-31, May 2009.

4.1.1 On-Site Environmental Regulatory Listings

The Property is included in the following EDR® database listings:

On-Site Environmental Regulatory Listing	
Facility Name/Address	LAUSD 4811 Elizabeth Street Cudahy, CA 90201
Regulatory Listing	Envirostor, SCH, FINDS, ECHO, Haznet, RCRA – LQG,
Federal/State ID	304139; 19820085, 110036985796, CAD982045494, CAR000193862
Regulatory Status	Inactive – needs evaluation
APTIM Opinion	No REC identified
Discussion:	The Property is listed in the above databases for the investigation, remediation and offsite disposal of asbestos and lead based paint; offsite disposal of soil contaminated from site clean-up, and reclamation of an aqueous solution with metals, offsite disposal of laboratory waste chemicals, asbestos containing waste, organic and inorganic solid waste. No violations are listed. LAUSD is in a Master Oversight Agreement with the California EPA and Department of Toxic Substances Control which requires LAUSD to complete a Preliminary Endangerment Assessment and/or response action, prior to construction of a project. A copy of the Master Oversight Agreement is included in Appendix E.

4.1.2 Off-Site Environmental Regulatory Listings

Listed below are environmental regulatory listings for adjacent or surrounding properties which were deemed by the EP to warrant additional environmental discussion and evaluation:

Off-Site Environmental Regulatory Listing	
Facility Name/Address	Cudahy Plaza Parcel 4 – Auto Repair Shop - Former 4600 Elizabeth Cudahy, CA 90201
Regulatory Listing	Spills, Leaks, Investigations and Cleanups (SLIC), Enforcement Action Listing (ENF)
Distance/Direction	201 feet south/southwest
Elevation/Gradient(1)	Down/Cross-gradient

Off-Site Environmental Regulatory Listing	
Facility Name/Address	Cudahy Plaza Parcel 4 – Auto Repair Shop - Former 4600 Elizabeth Cudahy, CA 90201
Federal/State ID	SL2047B1670, 216320
Regulatory Status	Completed – Case Closed
APTIM Opinion	No REC identified.
Discussion:	Information available on California EPA's Geotracker online database indicates shallow contamination in the form of hydrocarbons released from former USTs were effectively remediated. A No Further Action (NFA) letter from the California Regional Water Quality Board (CRWQB), dated February 27, 2004 is available on Geotracker at: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705180

Off-Site Environmental Regulatory Listing	
Facility Name/Address	U-Haul Co #712-022 7842 Atlantic Ave Cudahy, CA 90201
Regulatory Listing	LUST, SWEEPS UST, Hist CORTESE, Los Angeles County HMS
Distance/Direction	350 feet southwest
Elevation/Gradient(1)	Down/Cross-gradient
Federal/State ID	T0603705180
Regulatory Status	Completed – Case Closed
APTIM Opinion	No REC identified.
Discussion:	Information available on California EPA's Geotracker online database indicates there was a release that impacted soil. No Further Action (NFA) status was granted from Los Angeles County, dated August 27, 1997.

Off-Site Environmental Regulatory Listing	
Facility Name/Address	Cudahy Plaza Parcel 2 – Dry Cleaners - Former 7913 Atlantic Ave Cudahy, CA 90201
Regulatory Listing	SLIC
Distance/Direction	490 feet south/southwest
Elevation/Gradient(1)	Down/Cross-gradient
Federal/State ID	SL0603727870
Regulatory Status	Completed – Case Closed
APTIM Opinion	No REC identified.

Off-Site Environmental Regulatory Listing	
Facility Name/Address	Cudahy Plaza Parcel 2 – Dry Cleaners - Former 7913 Atlantic Ave Cudahy, CA 90201
Discussion:	Information available on California EPA's Geotracker online database indicates shallow soil contamination (primarily TCE and PCE) near drycleaning operations do not pose a threat to human contact and concentrations of VOCs are no longer detectable in the underlying groundwater. An NFA letter from the California Regional Water Quality Board (CRWQB), dated May 7, 2003 is available on Geotracker at: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=SL0603727870

A complete listing of databases, distances, the definition of databases searched, and reported sites within respective ASTM search distances is provided in Appendix D.

4.1.3 Orphan/Non-Locatable Site Listings

The Radius Report identified four sites for which a geographic location could not be pinpointed because of insufficient information on the address (the "Orphan/Non-Locatable Sites"). However, these sites do not appear to be within the ASTM search radii.

4.2 Additional Environmental Record Sources

The Radius Report identifies numerous additional and supplemental federal, state, tribal, or local databases which are beyond the standard environmental record sources required by ASTM Practice E1527-13, §8.2.1. A complete listing of additional and supplemental databases, distances, the definition of databases searched, and reported sites within respective ASTM approximate minimum search distances is provided in Appendix D.

4.3 Physical Setting and Sources

Standard Physical Setting Source	
Issue	Comments
Topography: (see Figure 1)	The Property is approximately 128 feet above mean sea level with topographic slope gently to the south/southeast.

Sources: EDR® Radius Map™ with GeoCheck®; EDR® Historical Topographic Map Report.

In accordance with ASTM Practice E1527-13, §8.2.4, one or more additional physical setting sources may be obtained at the discretion of the EP; however, additional physical setting sources are required to be obtained and reviewed when: 1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to the Property or from or within the Property into the groundwater or soil and 2) more information is generally obtained, pursuant to local good commercial and customary practices in initial ESAs in the

type of commercial real estate transaction involved, in order to assess the impact of such migration of RECs in connection with the Property.

Discretionary and Non-Standard Physical Setting Sources		
Issue	Comments	
Geology/Bedrock Description:	The geologic rock stratigraphic unit for the area of the Property is listed as being located in an area developed during the Cenozoic Era of the Quaternary system (stratified sequence of the Quaternary Series).	
Soil Description and Permeability: (http://websoilsurvey.nrcs.usda.gov)	Soil Component Name:	Urban Land
	Soil Texture:	Variable
	Soil Permeability/ Hydrologic Group:	Does not meet requirements for a hydric soil.
	Soil Drainage:	Not reported
	Corrosion Potential - Uncoated Steel:	Not reported
	Other Information	None
Hydrogeology:	Based on data from nearby LUST cases, the depth to groundwater is approximately 30 feet below ground surface with a flow direction generally to the south.	

Sources: EDR® Radius Map™ with GeoCheck®, and/or respective on-site or surrounding environmental investigation reports.

4.4 Standard Historical Sources

The objective of consulting historical sources is to develop a history of previous uses of the Property and surrounding area in order to identify conditions material to the identification of RECs in connection with the Property, if any. In accordance with ASTM Practice E1527-13, §8.3.2, all obvious uses of the Property are required to be identified from the present back to the Property's first developed use (developed use includes agricultural) or back to 1940, whichever is earlier. The review of respective historical sources requires reviewing only as many of the standard historical sources (pursuant to ASTM Practice E1527-13, §8.3.4 which includes aerial photographs, fire insurance maps, property tax files, recorded land title records, topographic maps, local street directories, building department records, zoning/land use records) as necessary and both reasonably ascertainable and likely to be useful. A summary of relevant information obtained from historical use sources is presented below.

4.4.1 Chain-of-Title

No chain-of-title was reviewed for this assessment.

4.4.2 Environmental Lien and Activity Use Limitations

Based on the request of the User, APTIM completed a search of environmental liens, AULs, or other environmental encumbering instruments as part of the Phase I ESA. An EDR® Environmental Lien and AUL Search was completed for the main parcel. No environmental liens or AULs were found for the Property address.

4.4.3 Aerial Photography

EDR® completed searches of aerial photographic maps for the Property. The *EDR® Aerial Photo Decade Package*, which includes the respective map, date, scale, and source, is provided in Appendix D. Due to the scale and resolution of select aerial photographs provided by EDR®, specific site features may be difficult to discern.

Aerial Photography Review	
Year(s)	1923, 1928
Source	EDR® Aerial Photo Decade Package
Property Description	Several small to medium sized buildings are present on the Property, as the Property is subdivided into many parcels. Undeveloped land is present on the northwest portion and graded areas are present on the northeast portion. An additional building is present near the center in 1928.
Surrounding Area Description	The surrounding area is comprised of a mixture of residential, commercial and industrial properties intermixed with vacant lots and small agricultural fields.

Aerial Photography Review	
Year(s)	1938, 1947
Source	EDR® Aerial Photo Decade Package
Property Description	Several additional small buildings are now present on the northern portion of the Property.
Surrounding Area Description	An increase in the density of development is noted.

Aerial Photography Review	
Year(s)	1954
Source	EDR® Aerial Photo Decade Package
Property Description	Based on this photograph it appears the school occupies the southeastern portion of the Property and the remaining areas contain primarily residential structures.
Surrounding Area Description	The density of residential, commercial and industrial properties continue to increase.

Aerial Photography Review	
Year(s)	1963
Source	EDR® Aerial Photo Decade Package
Property Description	Additional buildings which appear to be associated with the school are now present on the central and southeastern portion of the Property. The southwestern portion appears to have been graded and no buildings are present in this area. The northern portion appears to remain residential.
Surrounding Area Description	The density of residential, commercial and industrial properties continue to increase.

Aerial Photography Review	
Year(s)	1977, 1979
Source	EDR® Aerial Photo Decade Package
Property Description	Several long, rectangular buildings have replaced the apparent residential structures on the northwest and northeast portions of the Property.
Surrounding Area Description	The density of residential, commercial and industrial properties continue to increase modestly.

Aerial Photography Review	
Year(s)	1983, 1989
Source	EDR® Aerial Photo Decade Package
Property Description	No significant changes from the previous photograph.
Surrounding Area Description	No significant changes from the previous photograph.

Aerial Photography Review	
Year(s)	1994
Source	EDR® Aerial Photo Decade Package
Property Description	The northwestern and northeastern areas have been cleared and appear to be used for athletic purposes. Several small, additional, permanent structures are present on the central portion.
Surrounding Area Description	No significant changes from the previous photograph.

Aerial Photography Review	
Year(s)	2002
Source	EDR® Aerial Photo Decade Package
Property Description	Asphalt is now present in the central portion of the Property, and few small ancillary buildings have been added to the north central portion.
Surrounding Area Description	No significant changes from the previous photograph.

Aerial Photography Review	
Year(s)	2005, 2009, 2010, 2012
Source	EDR® Aerial Photo Decade Package
Property Description	No significant changes from the previous photograph.
Surrounding Area Description	The density of residential, commercial and industrial properties increased modestly.

4.4.4 Fire Insurance Maps

EDR® completed a search of historical Sanborn Fire Insurance maps for the Property. The *EDR® Certified Sanborn Fire Insurance Map Report* including respective map names and dates is provided in Appendix D.

Sanborn Fire Insurance Map Review	
Year(s)	1929
Source	EDR® Certified Sanborn Fire Insurance Map
Property Description	The San Antonio school occupies the southeastern portion of the Property. Several small dwellings are depicted throughout the remainder of the Property. Two of the buildings are

Sanborn Fire Insurance Map Review	
Year(s)	1929
	labeled with an “S” which indicates a store. A few, small dwellings are labeled with “A” for automobile, indicating a garage. Hen houses are depicted along the eastern boundary.
Surrounding Area Description	The surrounding area is occupied with primarily residential dwellings.

Sanborn Fire Insurance Map Review	
Year(s)	1950
Source	EDR® Certified Sanborn Fire Insurance Map
Property Description	Additional hen houses and dwellings are present on the northwest portion. Only one building labeled as “store” is present on the northeast portion. No other significant changes from the previous map.
Surrounding Area Description	An increase in the density of dwellings is noted.

Sanborn Fire Insurance Map Review	
Year(s)	1966
Source	EDR® Certified Sanborn Fire Insurance Map
Property Description	The hen houses on the northwestern and northeastern portions have been replaced with buildings that appear to be apartments with associated garages for cars. No other significant changes from the previous map.
Surrounding Area Description	An increase in the density of dwellings is noted: a trailer park is now present adjacent west, and a church is present adjacent north.

4.4.5 Topographic and Historical Maps

EDR® completed a search of public and private topographic and historical maps for the Property. The *EDR® Historical Topographic Map Report* including respective map names and dates is provided in Appendix D. A portion of the pertinent U.S. Geological Survey 7.5-minute series (topographic) map is provided as Figure 1 (Appendix A). The following observations are noted:

Topographic and Historical Map Review	
Year(s)	1896, 1899, 1902
Source	EDR® Historical Topographic Map Report
Property Description	The Property is undeveloped.

Topographic and Historical Map Review	
Year(s)	1896, 1899, 1902
Surrounding Area Description	Primitive road infrastructure is depicted, along with a railroad. A few small dwellings are also depicted. The Los Angeles river is depicted approximately one mile east of the Property.

Topographic and Historical Map Review	
Year(s)	1923, 1924, 1925
Source	EDR® Historical Topographic Map Report
Property Description	San Antonio school is depicted on the southeast portion of the Property.
Surrounding Area Description	Significant road infrastructure is depicted. Small, sparsely spaced dwellings are located along the streets in the immediate vicinity of the Property.

Topographic and Historical Map Review	
Year(s)	1936, 1937
Source	EDR® Historical Topographic Map Report
Property Description	Some additional buildings are depicted on the Property.
Surrounding Area Description	An increase in the density of development is noted. Several large industrial sized buildings are present approximately ½ mile southwest of the Property.

Topographic and Historical Map Review	
Year(s)	1942, 1943, 1947
Source	EDR® Historical Topographic Map Report
Property Description	The school remains depicted on the Property.
Surrounding Area Description	No significant changes from the previous map, other than the addition of pink shaded areas indicating urban development.

Topographic and Historical Map Review	
Year(s)	1949, 1952, 1964, 1972, 1981
Source	EDR® Historical Topographic Map Report
Property Description	The school is labeled as Elizabeth Street School in the 1949 map.
Surrounding Area Description	The entire surrounding area lies in pink shaded areas, indicating urban land.

Topographic and Historical Map Review	
Year(s)	2012
Source	EDR® Historical Topographic Map Report
Property Description	This map depicts only road infrastructure and topographical data.
Surrounding Area Description	This map depicts only road infrastructure and topographical data

4.4.6 Street/City Directories

EDR® completed searches of business directories including city, cross-reference, and telephone directories for the Property and adjacent properties. The *EDR® City Directory Abstract*, including the respective addresses, dates, and sources is provided in Appendix D. The following observations are noted:

Property

Elizabeth Street School is listed on the Property for the following years: 1951, 1976, 1990, 2000, 2006, 2010, and 2014. Health centers/clinics were listed on the Property in 2000, 2006, and 2014.

Adjacent/Surrounding Properties

Numerous listings dating back to 1951 were identified in the City Directory search for adjacent/surrounding properties. The vast majority were residential. A few non-environmentally suspect business were identified along with the following environmentally suspect businesses: Cudahy Auto Service (1962, 1967), Chevron (1967).

4.4.7 Local Government Agency Record Sources

APTIM made reasonable attempts to obtain and review local records and information within the scope and time constraints of the Phase I ESA; however, in some instances, records or information requested may not have been received from the source at the time of this Report's publication.

As set forth in ASTM Practice E1527-13, §8.1.4, records and information that are reasonably ascertainable means information that is publicly available, that is obtained from its source within reasonable time and costs constraints, and that is practically reviewable. Reasonable time and costs are further defined as information being provided (either for in-person review, electronic review, or photocopies) by the source within 20 calendar days of receiving a written, electronic mail, telephone, or in-person request (i.e., Freedom of Information Act request) at no more than a nominal cost intended to cover the source's cost of retrieving and duplicating the information.

Listings in **bold** identify an environmentally suspect characteristic or usage associated with the Property, which combined with additional information may be determined (at the discretion of the EP) to be associated with an REC in connection with the Property.

Property Tax Records and Maps/Assessor Department Records	
Agency Name/Address/Number	Description of Records/Comments
Los Angeles County GIS http://maps.assessor.lacounty.gov/GVH_2_2/Index.html?configBase=http://maps.assessor.lacounty.gov/Geocortex/Essentials/REST/sites/PAIS/viewers/PAIS_hv/virtualdirectory/Resources/Config/Default	Tax map and limited tax details provided and incorporated in this report.

In accordance with ASTM Practice E1527-13, §8.2.3 and §11.5, to enhance and supplement the standard environmental record sources, additional environmental record sources shall be checked when, in the judgment of the EP, such additional records are: 1) reasonably ascertainable; 2) sufficiently useful, accurate, and complete in light of the objective of the records review; and 3) generally obtained, pursuant to local good commercial and customary practice in initial ESAs in the type of commercial real estate transaction involved. APTIM obtained or reviewed the following additional environmental records:

Los Angeles County Fire Department Records	
Agency Name/Address/Number	Description of Records
Los Angeles County Fire Department https://www.fire.lacounty.gov/hhmd/public-records-requests/	APTIM submitted a request to the Los Angeles County Fire Department for records of fuel storage, hazmat permits/incidents, or other records of environmental concern. The Fire Department provided APTIM records which indicate LAUSD submitted a Consolidated Contingency Plan in October of 2010. Other provided documentation indicates the Property generates waste in the form of burned out light bulbs, wax and used paint generated from Maintenance; Non-RCRA hazardous liquid from student labs. The disposal method is listed as recycling. Documentation also indicated soil contaminated with arsenic was generated from construction process and disposed in landfill, based on a hazardous material inventory from 2010. The storage method listed is metallic drum and amount per year is listed as 1,000 pounds. Documentation indicates that the soil contaminated with arsenic was removed from the hazardous material inventory in 2011. The Fire Department also provided records of inspection from July of 2016. These records indicate the facility maintains a 55-gallon drum of gasoline, a 55-gallon drum of diesel and hazardous waste is generated from student labs and maintenance, and universal waste in form of lamps is present. No violations were reported in the July 2016 inspection. Fire Department records are including in Appendix E.

State Agency	
Agency Name/Address/Number	Description of Records
California EPA Geotracker online database http://geotracker.waterboards.ca.gov/map/?CMD=runreport&myaddress=4811+Elizabeth+st.%2C+cudahy%2C+ca	The Property was identified in this database as a Department of Toxic Substances Control (DTSC) Cleanup Site. A Master Oversight Agreement with the California EPA and Department of Toxic Substances Control is displayed on this database. The Master Oversight Agreement requires LAUSD to complete a Preliminary Endangerment Assessment and/or response action, prior to construction of project. A copy of the Master Oversight Agreement is included in Appendix E. No other records pertaining to the Property were identified on the Geotracker online database.

U.S. Environmental Protection Agency	
Agency Name/Address/Number	Description of Records/Comments
USEPA Region 9 https://www.epa.gov/foia	APTIM submitted a request to the EPA for any records of environmental concern at 4811 Elizabeth St., Cudahy, CA 90201. As of the date of this Report, APTIM has not received any records from the USEPA. USEPA Tracking No.: EPA-R9-2017-010809

4.4.8 Other Records and Historical Sources

No other historical sources such as community organizations, historical societies, local libraries, newspaper archives, internet sites, miscellaneous maps, etc. were reasonably ascertainable and/or as determined by the EP, provided material information relative to RECs in connection with the Property. In accordance with ASTM Practice E1527-13, §8.3.2, the review of other records and historical sources is not a requirement.

4.4.9 Data Failure

Data failure occurs when all of the standard historical sources as set forth in ASTM Practice E1527-13, §8.3.1 through §8.3.2.2, that are reasonably ascertainable and likely to be useful have been reviewed by APTIM, yet all obvious uses of the Property from the present back to the Property's first developed use, or back to 1940, whichever is earlier have not been identified or delineated.

APTIM reviewed standard historical sources as determined by ASTM that were reasonably ascertainable and likely to be useful.

It is the opinion of APTIM that the history of previous uses of the Property and surrounding areas has been identified, and the historical records in concert with the site reconnaissance and interviews have sufficiently evaluated the potential of the past uses to be associated with RECs in connection with the Property.

5.0 SITE RECONNAISSANCE

Site Assessment(s)		
Date	Environmental Professional(s)	Company Name/Address/Number
8/3/2017	Ben Falk	Aptim Environmental & Infrastructure, Inc. 18100 Von Karman, Suite 450 Irvine, California 92612 805-403-7629
Weather Conditions:	Hot, humid, 96 degrees Fahrenheit	
Ground Surface Conditions:	Dry	

Representative(s) Escorting the Site Assessor		
Name/Title	Company Name/Address/Number	Years Associated with Property
Lawrence Brown	LAUSD	Approximately two months

5.1 Methodology and Limiting Conditions

APTIM used the following methodology to observe the Property during the site reconnaissance:

- Confirmed the definition of the Property boundaries, if available and delineated
- Traversed the outer Property boundary, if delineated and discernible
- Traversed transects across the Property
- Traversed the periphery of all structures and features on the Property, if any
- Visually assessed accessible interior common areas; operations, maintenance, and repair areas; utility areas; and a representative sample of occupant spaces

APTIM did not look under floors, above ceilings, behind walls, or at other areas where gaining access may have required destructive techniques or presented unique health and safety concerns.

5.2 General Site Setting

The Property and surrounding property characteristics have been discussed in detail within Section 2.0 of this Report.

5.3 Storage Tanks/Other Features

APTIM made the following observations during the site reconnaissance:

Storage Tanks/Features	
Issue	Comments
Existing Underground Storage Tanks (USTs)	None
Former USTs	None
Existing ASTs	None. Two 55-gallon steel drums are located within a metal flammables storage cabinet, located near the southwest corner of the Property. One drum contains diesel, the other gasoline.
Former ASTs	None
Other Features (i.e., oil/water separators, reservoirs, hydraulic lifts or vaults)	Grease interceptor located outside the cafeteria near the southwest corner. One elevator is located in the main Site building, another is located in a classroom building near the center of the Property.

NOTE: APTIM's assessment of ASTs and USTs included interviews with the Property Owner/Operator and visually apparent observations including repairs to pavement, vent pipes, ancillary equipment, and fill ports as well as a review of reasonably ascertainable local and state records relating to current and historical operations and heating fuel sources.

5.4 Exterior Observations

APTIM made the following exterior observations during the site reconnaissance:

Exterior Observations	
Issue	Comments
Septic System	None
Hazardous Substances	None
Hazardous Waste	None
Petroleum Products	Two 55-gallon steel drums are located within a metal flammables storage cabinet, located near the southwest corner of the Property. One drum contains diesel, the other gasoline.
Other Drums or Containers	None other than the drums described above.
Solid Waste	Several trash dumpsters are located on the southwest portion of the Property.
Wells	None
Wastewater	None other than domestic sewage.
Storm Water	Storm water is expected to flow into the municipal storm sewer along adjacent streets.
Drains or Sumps	None other than drainage swales for storm water
Odors	None

Exterior Observations		
Issue	Comments	
Polychlorinated Biphenyl (PCB)-Containing Equipment	Type	Comments/Age/Ownership
	Transformers/ Electrical Equipment (fluid-containing)	Two pad-mounted transformers are present, both owned and operated by SCE.
	Hydraulic Equipment	None other than the two elevators
	Other	N/A
Pools of Liquid	None	
Pits, Ponds or Lagoons; the Property	None	
Pits, Ponds or Lagoons; Adjoining Properties	None	
Stained Soil or Pavement	None	
Stressed Vegetation	None	
General Exterior Housekeeping	Good	

5.5 Interior Observations

APTIM made the following interior observations during the site reconnaissance:

Interior Observations	
Issue	Comments
Potable Water Source	Mutual Water Co.
Sanitary Sewer System	City of Los Angeles
Heating Equipment Fuel Source	HVAC
Hazardous Substances	Small janitorial supplies and a few 5-gallon buckets of paint.
Hazardous Waste	Small quantity of used fluorescent light bulbs.
Petroleum Products	None other hydraulic fluid for elevators.
Other Drums or Containers	Elevators may have hydraulic tank; elevator room was inaccessible.

Interior Observations		
Issue	Comments	
Solid Waste	Waste/Re-Use Streams	Generation Process/Storage/Disposal
	Non-Regulated Solid Waste or Recycle/Re-Use	Typical domestic trash/recyclables are placed in dumpsters onsite.
	Non-Regulated Liquid Waste or Recycle/Re-Use	A few 5-gallon buckets of paint.
	Regulated Solid Waste or Recycle/Re-Use	None
	Regulated Liquid Waste or Recycle/Re-Use	None
Wells	None	
Wastewater	Type	Generation Process/Treatment/Discharge Receptor
	Domestic Sanitary Sewage	City of Los Angeles sanitary sewer
	Process Wastewater	None
Drains or Sumps	Two small sumps are present in the boiler room.	
Odors	None	
Stains or Corrosion	None	
Pools of Liquid	None	
PCB-Containing Equipment	None	
General Interior Housekeeping	Good	

6.0 INTERVIEWS

The objective of interviews is to obtain information indicative of or material to the identification of RECs. In accordance with ASTM Practice E1527-13, §10.7.2, if the environmental representative conducting the interview(s) asks questions of a person other than the User but does not receive answers or receives partial answers, the Phase I ESA shall not thereby be deemed incomplete, provided that: 1) the questions have been asked (or attempted to be asked) in person, by electronic mail, or by telephone, and written records have been kept of the person whom the questions were addressed and the response; or 2) the questions have been asked in writing sent by first class mail or by private, commercial carrier and no answer or incomplete answers have been obtained and at least one follow-up (telephone or written request) was made again asking for responses.

The Property information, known history, and environmental information was obtained by the administration of the *Owner/Occupant Questionnaire*, derived in part from ASTM Designation E1528: *Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process.*

A summary of provided information is presented below:

6.1 Interviews with Past/Present Owner(s)

Interviews with Past/Present Owner(s)	
Name/Agency/Address/ Number	Comments
	N/A

6.2 Interviews with Past/Present Site Manager(s)

Interviews with Past/Present Site Manager(s)	
Name/Agency/Address/ Number	Comments
Lawrence Brown LAUSD (213) 241-4263	Mr. Brown stated there are no environmental concerns regarding the Property, to the best of his knowledge.

6.3 Interviews with Past/Present Occupant(s)

Interviews with Past/Present Occupant(s)	
Name/Agency/Address/ Number	Comments
	N/A

6.4 Interviews with Local Government Officials

Interview(s) with Local Government Officials	
Name/Agency/Address/ Number	Comments
	N/A

6.5 Interviews with Others/Abandoned Property Interviews

Interviews with Others or Owner/Occupant of Neighboring Properties	
Name/Agency/Address/ Number	Comments
	N/A

7.0 EVALUATION

7.1 Findings and Opinions

It is APTIM's understanding that no change in Property zoning or use, grading, excavation, or construction activities are known or planned at this time. As such, APTIM has developed the following opinions relating to the known environmental conditions in connection with the Property.

7.1.1 On-Site Environmental Conditions and Opinions

On-Site Environmental Conditions and Opinions	
Location	Issue/Concern/Comments
General Property	The Property is situated on 14 contiguous parcels of land comprised of approximately 16.7 acres. Access to the Property is from Elizabeth Street to the south. There are several permanent structures as well as portable buildings for classrooms. Separate buildings for a wellness center and cafeteria are also on the Property. Athletic fields/courts are present on the northwest and northeast portions. The remainder of the Property is asphalted with small landscaped areas. The Property is listed in regulatory databases for the investigation, remediation and off-site disposal of asbestos and lead based paint; offsite disposal of soil contaminated from site clean-up, and reclamation of an aqueous solution with metals, offsite disposal of laboratory waste chemicals, asbestos containing waste, organic and inorganic solid waste. No violations are listed and based on information from the databases and additional documentation provided by the Los Angeles County Fire Department that contaminated soil and wastes were appropriately disposed offsite, these listings are not considered RECs to the Property. Based on the age of the onsite buildings, asbestos and lead based paint may be present on the Property. LAUSD maintains an asbestos management plan book, which contains all asbestos related documentation as required by AHERA. These records are available for review at LAUSD's Facilities Environmental Technical Unit (FETU) located at 1240 South Naomi Avenue, Los Angeles, CA 90021. APTIM recommends these records are reviewed prior to any demolition, remodeling or modernization projects. LAUSD is in a Master Oversight Agreement with the California EPA and Department of Toxic Substances Control which requires LAUSD to complete a Preliminary Endangerment Assessment and/or response action, prior to construction of project. A copy of the Master Oversight Agreement is included in Appendix E. No current RECs were identified as part of this Phase I.

7.1.2 Off-Site Environmental Conditions and Opinions

Off-Site Environmental Conditions and Opinions	
Location	Issue/Concern/Comments
General Surrounding Area	As none of the adjacent properties appear to be undergoing active remediation, no REC has been identified.

7.2 Deviations and Data Gaps

7.2.1 Deviations and Opinions

A review of Property appraisal or valuation records to determine a valuation reduction for any known environmental conditions, if any, was not conducted in accordance with ASTM Practice E1527-13, §6.5 as part of the Phase I ESA.

It is APTIM's opinion that the above-mentioned deviations do not significantly affect the conclusions of this Report.

7.2.2 Data Gaps and Opinions

Data failure associated with the review of reasonably ascertainable standard historical sources to determine the previous uses of the Property from the present to the first obvious developed use, or back to 1940, whichever is earlier, is one type of data gap. Other types of data gaps may include the lack of or inability to complete or obtain required information such as a site reconnaissance, standard historical sources, or interviews.

A data gap is only significant if: 1) upon review of various information sources, inconsistent and incongruous information is revealed, and 2) in the opinion of the EP, the inconsistent/ incongruous information warrants or raises reasonable concern.

Data Gaps and Opinions	
Issue	Issue/Comments/Concern
Lack of purchase price to fair market valuation	There is no known comparison between the likely purchase price and the fair market value of the Property. However, based on the available records reviewed and site reconnaissance completed, the referenced data gap does not appear significant and no additional investigation regarding historical land use or development appears warranted at this time.
Limited Site Access	It is APTIM's opinion that all relevant areas were observed.
Lack of Chain-of-Title Report	It is APTIM's opinion that a chain-of-title review is not needed to identify an REC in relation to the Property.
Lack of all agency files requested	While APTIM requested multiple files from various local, state, and federal agencies, not all responses have been received. APTIM has obtained all information that is reasonably ascertainable and practically reviewable to complete this ESA.

8.0 CONCLUSIONS

In accordance with ASTM Practice E1527-13, §12.8, APTIM provides the following statement:

"We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-13 of the facility located at 4811 Elizabeth St., Cudahy, Los Angeles County, California, 90201 (the Property). Any exceptions to, or deletions from, this practice are described in Section 7.0 of this Report."

8.1 Recognized Environmental Conditions

This assessment has revealed no evidence of RECs in connection with the Property.

8.2 Controlled Recognized Environmental Conditions

This assessment has revealed no evidence of CRECs in connection with the Property.

8.3 Historical Recognized Environmental Conditions and Opinions

Based on the findings of this Report, it is the opinion of APTIM that the Phase I ESA has revealed no HRECs in connection with the Property.

8.4 Vapor Encroachment Screening Opinions

This assessment has revealed no evidence of vapor encroachment conditions in connection with the Property.

8.5 *De Minimis* Environmental Conditions and Opinions

Based on the findings of this Report, it is APTIM's opinion that the Phase I ESA has revealed no evidence of *de minimis* conditions in connection with the Property.

9.0 NON-SCOPE/ADDITIONAL SERVICES/OTHER ENVIRONMENTAL CONSIDERATIONS

No additional services beyond the ASTM Practice E1527-13 standard scope of services was requested or completed as part of the Phase I ESA.

10.0 REFERENCES

Reports, documents and materials (i.e., previous environmental reports; environmental database records; aerial photographs; city directories; fire insurance maps; topographic maps; historical maps; federal, state, and local agencies of government; and interviews) pertinent to the Phase I ESA have been individually identified and referenced within respective sections of this Report.

ASTM Designation E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM International, West Conshohocken, PA. November 2005, www.astm.org.

ASTM Designation E2600-10, *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*, ASTM International, West Conshohocken, PA. June 2010, www.astm.org.

Buonicore, A. J., *A Smaller Intrusion*, Pollution Engineering, pp. 26-31, May 2009.

Appendix A
Figures





APTIM

Figure 1: Site Location Map

Los Angeles Unified School District
4811 Elizabeth Street
Cudahy, CA 90201

Reference: South Gate USGS Topographic Map (2012)



Source: 2017 Bing Maps

APTIM

Notes:
1. Gas and diesel 55- gallon drums (1 each)
2. Residential
3. Park

Not to Scale

Figure 2 – General Land Use Map

Los Angeles Unified School District
4811 Elizabeth St.
Cudahy, CA 90201

Appendix B
Photographic Record

APTIM

Photographic Record

Client: LAUSD
Location: Elizabeth Learning Center
Project No. 631229589

Photographer: Ben Falk
Photograph Date: 8/3/17

	
Photo No: 1 **Picture Direction**: N	**Photo No:** 2 **Picture Direction**: --
Description: Subject property main building (entrance on Elizabeth Ave.)	**Description**: Former Boiler room in main building – New tankless water heater and older out-of-service tank)
	
Photo No: 3 **Picture Direction**: --	**Photo No:** 4 **Picture Direction**: N/A
Description: Sump in former Boiler room in main building. Sump	**Description**: Paint/materials storage in boiler room (main building)

Client: LAUSD
Location: Elizabeth Learning Center
Project No. 631229589

Photographer: Ben Falk
Photograph Date: 8/3/17



Photo No: 5 **Picture Direction**: N

Description: Trash dumpster storage area



Photo No: 6 **Picture Direction**: S

Description: Fuel AST storage enclosure



Photo No: 7 **Picture Direction**: N/A



Photo No: 8 **Picture Direction**: S

Client: LAUSD
Location: Elizabeth Learning Center
Project No. 631229589

Photographer: Ben Falk
Photograph Date: 8/3/17

Description: Gas/Diesel 55-gallon ASTs	**Description**: Grease Interceptor outside cafeteria
	
Photo No: 9 **Picture Direction**: N/A	**Photo No:** 10 **Picture Direction**: N/A
Description: Flammable Storage cabinet inside Chemistry classroom	**Description**: Paint /cleaning supplies near sinks in storage room
	
Photo No: 11 **Picture Direction**: N/A	**Photo No:** 12 **Picture Direction**: S
Description: Storage room – Paint buckets	**Description**: Main building (rear)

Client: LAUSD
Location: Elizabeth Learning Center
Project No. 631229589

Photographer: Ben Falk
Photograph Date: 8/3/17

	
Photo No: 13 **Picture Direction**: N	**Photo No:** 14 **Picture Direction**: N/A
Description: View toward Gym	**Description**: View of portable classroom on east portion of property

Client: LAUSD
Location: Elizabeth Learning Center
Project No. 631229589

Photographer: Ben Falk
Photograph Date: 8/3/17



Photo No: 15 **Picture Direction**: N/A

Description: Gas main



Photo No: 16 **Picture Direction**: N

Description: Water main (Northeast side of property)

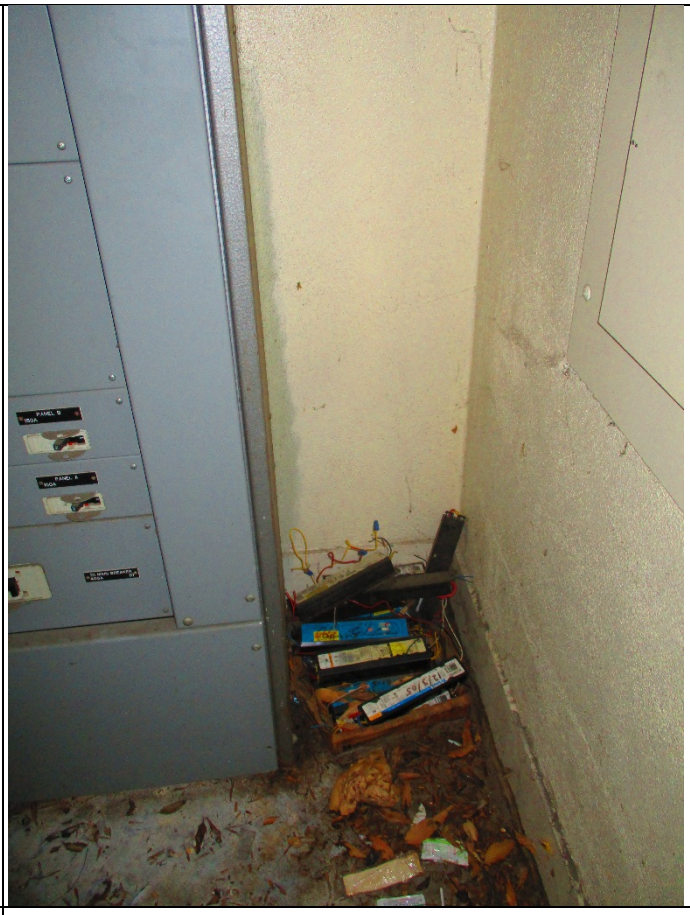
Client: LAUSD
Location: Elizabeth Learning Center
Project No. 631229589

Photographer: Ben Falk
Photograph Date: 8/3/17

	
Photo No: 17 **Picture Direction**: S	**Photo No:** 18 **Picture Direction**: N
Description: Utility owned transformer (SCE)	**Description**: View of Northeast portion of property (tennis courts)

Client: LAUSD
Location: Elizabeth Learning Center
Project No. 631229589

Photographer: Ben Falk
Photograph Date: 8/3/17

	
Photo No: 19 **Picture Direction**: --	**Photo No:** 20 **Picture Direction**: --
Description: Used fluorescent lights in storage room	**Description**: Used ballasts in storage room

Client: LAUSD
Location: Elizabeth Learning Center
Project No. 631229589

Photographer: Ben Falk
Photograph Date: 8/3/17

	
Photo No: 21 **Picture Direction**: E	**Photo No:** 22 **Picture Direction**: W
Description: Bungalow adjacent to Elizabeth Ave.	**Description**: South portion of property along Elizabeth Ave.

Client: LAUSD
Location: Elizabeth Learning Center
Project No. 631229589

Photographer: Ben Falk
Photograph Date: 8/3/17

	
Photo No: 23 **Picture Direction**: --	**Photo No:** 24 **Picture Direction**: N/A
Description: Elevator in main building	**Description**: Elevator for classroom in center of property

Client: LAUSD
Location: Elizabeth Learning Center
Project No. 631229589

Photographer: Ben Falk
Photograph Date: 8/3/17

	
Photo No: 25 **Picture Direction**: W	**Photo No:** 26 **Picture Direction**: E
Description: View to west of basketball courts, parking, and emergency supply and electronics storage containers	**Description**: View of Parking on West portion with solar panels above and utility owned transformer.

Appendix C
User Questionnaire and Conversation Record

APTIM

USER (e.g., BUYER) QUESTIONAIRRE (from ASTM E1527 – 13, §X3)

Site ID: LAUSD - Elizabeth Learning Center

User Contact Name and Phone: Lawrence Brown - (213) 241-4263

Date: 8-3-17 **APTIM Contact Name and Phone:** Ben Falk (805)403-7629

(1.) Environmental liens that are filed or recorded against the *property* (40 CFR 312.25).
Did a search of *recorded land title records* (or judicial records where appropriate, see Note 1 below) identify any environmental liens filed or recorded against the *property* under federal, tribal, state or local law?

NOTE 1—In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.

(2.) Activity and use limitations that are in place on the *property* or that have been filed or recorded against the *property* (40 CFR 312.26(a)(1)(v) and vi)).
Did a search of *recorded land title records* (or judicial records where appropriate, see Note 1 above) identify any AULs, such as *engineering controls*, land use restrictions Or *institutional controls* that are in place at the *property* and/or have been filed or recorded against the *property* under federal, tribal, state or local law?

(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).
Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an *adjoining property* so that you would have specialized knowledge of the chemicals and processes used by this type of business? NO

Use Additional Pages, as Needed

APTIM

(4.) Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).

Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*?

Remodel will be taking place

(5.) Commonly known or *reasonably ascertainable* information about the *property* (40 CFR 312.30).

Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases?

For example,

(a.) Do you know the past uses of the *property*?

School approx 1920 → present

(b.) Do you know of specific chemicals that are present or once were present at the *property*?

NO

(c.) Do you know of spills or other chemical releases that have taken place at the *property*?

No

(d.) Do you know of any environmental cleanups that have taken place at the *property*?

NO

(6.) The degree of obviousness of the presence or likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property?

Asbestos / Lead ⇒ Survey will be done soon

Use Additional Pages, as Needed

ASTM USER QUESTIONNAIRE RESPONSES

ELIZABETH LEARNING CENTER

1.) Environmental cleanup liens that are filed or recorded against the site (Pursuant to 40 CFR 312.25). Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

☐ Yes (Attach further information) ☒ No

2.) Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (Pursuant to 40 CFR 312.26). Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

☐ Yes (Attach further information) ☒ No

3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (Pursuant to 40 CFR 312.28). As the User of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☐ Yes (Attach further information) ☒ No

(4.) Relationship of the purchase price to the fair market value of the property if it were not contaminated (Pursuant to 40 CFR 312.29). Does the purchase price being paid for this property reasonably reflect the fair market value of the property?

☐ Yes (Attach further information) ☒ No NA

If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

☐ Yes (Attach further information) ☐ No

5.) Commonly known or reasonably ascertainable information about the property (Pursuant to 40 CFR 312.30). Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases?

☐ Yes (Attach further information) ☒ No

For example, as User:

(a.) Do you know the past uses of the property?
2/22/16) ☐ No ☑ Yes (Use: commerical, See Phase I Update report dated

(b.) Do you know of specific chemicals that are present or once were present at the property?

☐ Yes (chemicals:_____) ☒ No

(c.) Do you know of spills or other chemical releases that have taken place at the property?

☐ Yes (chemicals:_____) ☒ No

(d.) Do you know of any environmental cleanups that have taken place at the property?

☐ Yes (Attach further information) ☒ No

6.) The degree of obviousness of the presence of likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31). As the User of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?

☐ Yes (Indication:_____) ☒ No

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act (the "Brownfields Amendments"), the User must provide the above information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete. This questionnaire was prepared to assist the EP fulfill the requirements of 40 CFR Part 312 and ASTM E1527-05.

Appendix D
Environmental Database Records

LAUSD
4811 Elizabeth St.
Cudahy, CA 90201

Inquiry Number: 05028286.2r
August 21, 2017

The EDR Radius Map™ Report with GeoCheck®

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

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

4811 ELIZABETH ST.
CUDAHY, CA 90201

COORDINATES

Latitude (North):	33.9647300 - 33° 57' 53.02''
Longitude (West):	118.1846630 - 118° 11' 4.78''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	390548.3
UTM Y (Meters):	3758683.2
Elevation:	128 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5633765 SOUTH GATE, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
4811 ELIZABETH ST.
CUDAHY, CA 90201

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	ELIZABETH LEARNING C	4811 ELIZABETH STREE	ENVIROSTOR, SCH		TP
A2	ELIZABETH LEARNING C	4811 ELIZABETH ST	FINDS, ECHO		TP
A3	LAUSD/ ELIZABETH ST	4811 ELIZABETH ST	HAZNET		TP
A4	ELIZABETH LEARNING C	4811 ELIZABETH ST	RCRA-LQG		TP
A5	LAUSD-ELIZABETH LEAR	4811 ELIZABETH ST	HAZNET		TP
B6	CUDAHY PLAZA PARCEL	4600 ELIZABETH	SLIC, ENF	Lower	201, 0.038, SSW
B7	SOLAROLI MARIO	7900 S ATLANTIC BLVD	EDR Hist Auto	Lower	249, 0.047, SSW
B8	FICKENGER BOB	7830 ATLANTIC BLVD	EDR Hist Auto	Lower	335, 0.063, SW
B9	ATLANTIC MOVING CENT	7842 ATLANTIC BL	HIST UST	Lower	350, 0.066, SW
B10	U-HAUL CO #712-022	7842 ATLANTIC AVE	LUST, SWEEPS UST, HIST CORTESE, LOS ANGELES CO....	Lower	350, 0.066, SW
C11	PHOTOMAX ONE HOUR	7910 S ATLANTIC BLVD	RCRA-SQG, FINDS, ECHO	Lower	397, 0.075, SSW
C12	CUDAHY PLAZA PARCEL	7913 ATLANTIC AVE	SLIC	Lower	490, 0.093, SSW
C13	CUDAHY 1 HOUR MARTIN	7913 S ATLANTIC	EDR Hist Cleaner	Lower	490, 0.093, SSW
C14	KMART CORPORATION	8017 S ATLANTIC AVE	HIST UST, HAZNET	Lower	505, 0.096, SSW
C15	K MART NO 3337	8017 S ATLANTIC AVE	RCRA-SQG, FINDS, ECHO	Lower	505, 0.096, SSW
C16	KMART ENTERPRISES	8017 ATLANTIC AVE	HIST UST	Lower	505, 0.096, SSW
C17	PENSKE AUTO CENTERS	8017 ATLANTIC AVE	EDR Hist Auto	Lower	505, 0.096, SSW
18	CUDAHY AUTO SERVICE	7815 ATLANTIC	EDR Hist Auto	Lower	563, 0.107, WSW
19	JONES MOBIL SERVICE	7656 ATLANTIC AVE	EDR Hist Auto	Higher	647, 0.123, WNW
D20	SEARS ROEBUCK	7801 ATLANTIC BLVD	SWEEPS UST	Higher	649, 0.123, West
D21	SEARS ROEBUCK,CUDAHY	7801 ATLANTIC AVE	HIST UST	Higher	649, 0.123, West
D22	SEARS ROEBUCK CUDAHY	7801 S ATLANTIC AVE	HIST UST	Higher	649, 0.123, West
E23	MOBIL	8029 ATLANTIC AVE S	LUST, HIST CORTESE	Lower	798, 0.151, SSW
E24	CHOIS MOBIL	8029 ATLANTIC	RCRA-SQG, FINDS, ECHO	Lower	798, 0.151, SSW
E25	MOBIL OIL CORP	8029 ATLANTIC AVE	SWEEPS UST, LOS ANGELES CO. HMS	Lower	798, 0.151, SSW
E26	B YUEN	8029 ATLANTIC	HIST UST	Lower	798, 0.151, SSW
F27	ATLANTIC MOTORS AUTO	8100 ATLANTIC AVE	RCRA NonGen / NLR, FINDS, ECHO	Lower	920, 0.174, South
F28	PORTER SUPER SERVICE	8100 ATLANTIC AVE	LUST, HAULERS, SWEEPS UST, HIST UST	Lower	920, 0.174, South
E29	STATION 022	8111 ATLANTIC BLVD	LUST, HIST UST, HIST CORTESE	Lower	990, 0.188, SSW
E30	IMPERIAL PARK INC	8111 ATLANTIC AVE	UST	Lower	990, 0.188, SSW
E31	STATION 022	8111 ATLANTIC AVE	HIST UST	Lower	990, 0.188, SSW
E32	CALIFORNIA TARGET EN	8111 ATLANTIC AVE	SWEEPS UST, HAZNET, LOS ANGELES CO. HMS	Lower	990, 0.188, SSW
G33	M & S ENTERPRISES	5001 CLARA ST E	LUST, ENF, HIST CORTESE, LOS ANGELES CO. HMS	Lower	1048, 0.198, East
G34	DEEP KB ENTERPRISE,	5001 CLARA ST	UST	Lower	1048, 0.198, East
G35	BC FOOD MARKET	5001 CLARA ST	LUST, HIST UST	Lower	1048, 0.198, East
G36	C&H GENERAL AUTO REP	5001 CLARA ST	SWEEPS UST, LOS ANGELES CO. HMS	Lower	1048, 0.198, East
37	AAA PAPERSTOCK	4610 SANTA ANITA ST	SWEEPS UST	Lower	1173, 0.222, SSW
H38	WESTERN DIESEL ELECT	8135 ATLANTIC AVE	RCRA-SQG, FINDS, ECHO, HAZNET, LOS ANGELES CO. HMS	Lower	1252, 0.237, South
39	PARK AVENUE PRIMARY	7326 SOUTH WILCOX AV	ENVIROSTOR, SCH	Lower	1400, 0.265, ENE

MAPPED SITES SUMMARY

Target Property Address:
4811 ELIZABETH ST.
CUDAHY, CA 90201

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
H40	GRANDE VISTA STEEL A	8201 SOUTH ATLANTIC	LUST	Lower	1430, 0.271, South
41	LAUR METALS CO	7300 ATLANTIC AVE	SWRCY, LOS ANGELES CO. HMS	Higher	1475, 0.279, NNW
I42	SYSTEM DISPOSAL SERV	4841 EAST CECLIA STR	WMUDS/SWAT	Lower	1578, 0.299, SSE
43	ALFA MIRRORS INC.	4935 CECILIA ST	LUST, HIST CORTESE	Lower	1618, 0.306, SSE
I44	PIAZZA TRUCKING INC	4841 CECILIA ST	RCRA-SQG, LUST, HIST UST, FINDS, ECHO, EMI, HIST...	Lower	1620, 0.307, SSE
45	CUDAHY BUILDING MATE	8331 ATLANTIC AVE	LUST, HIST CORTESE, LOS ANGELES CO. HMS	Lower	1779, 0.337, South
46	OKEH CATERERS	7301 ATLANTIC AVE.	LUST	Higher	1792, 0.339, NW
J47	ARCO #3043	7200 ATLANTIC AVE S	LUST, HIST CORTESE	Higher	1926, 0.365, NNW
K48	TOSCO - 76 STATION #	4965 FLORENCE AVE E	LUST	Higher	2010, 0.381, NE
K49	UNOCAL STATION #3574	4965 FLORENCE	ENF, HIST CORTESE	Higher	2010, 0.381, NE
K50	CHEVRON #9-1686	5001 FLORENCE AVE E	LUST	Higher	2096, 0.397, NE
K51	CHEVRON STATION 9168	5001 FLORENCE AVE	RCRA-SQG, LUST, FINDS, ECHO	Higher	2096, 0.397, NE
K52	CHEVRON #9-1686	5001 FLORENCE	HIST CORTESE	Higher	2096, 0.397, NE
J53	SOUTH REGION ES #3 5	ATLANTIC AVENUE/FLOR	ENVIROSTOR, SCH, DEED	Higher	2112, 0.400, NNW
L54	MATLACK INC	8332 WILCOX AVE	LUST, HIST UST, HIST CORTESE, NPDES	Lower	2179, 0.413, SSE
L55	MATLACK INC	8332 WILCOX AVE	LUST, SWEEPS UST	Lower	2179, 0.413, SSE
L56	CONSOLIDATED PRECISI	8333 WILCOX AVENUE	ENVIROSTOR, SWEEPS UST	Lower	2200, 0.417, SSE
57	INCO EXPRESS, INC.	8410 SALT LAKE AVE	LUST, HIST CORTESE	Lower	2231, 0.423, SSW
M58	FORMER MIDAS MUFFLER	4406 E. FLORENCE AVE	ENVIROSTOR	Higher	2253, 0.427, NNW
M59	TUNE UP MASTERS SHOP	4404 FLORENCE AVE E	LUST, HIST CORTESE	Higher	2287, 0.433, NNW
N60	JACK'S CAR WASH	7030 ATLANTIC AVE S	LUST, HIST CORTESE	Higher	2293, 0.434, NNW
O61	WASTE MANAGEMENT SOU	4489 ARDINE STREET	SWF/LF, NPDES	Lower	2333, 0.442, SW
N62	SHELL #204-0576-0503	7121 ATLANTIC AVE S	LUST, HIST CORTESE	Higher	2354, 0.446, NNW
63	PETROCHEM MATERIALS	4242 SANTA ANA STREE	SLIC, NPDES	Lower	2359, 0.447, WSW
P64	ON ATLANTIC, LLC	8411 ATLANTIC	SLIC, ENF	Lower	2386, 0.452, South
65	QUALITY DISTRIBUTION	5042 CECILA STREET	ENVIROSTOR	Lower	2393, 0.453, SE
O66	BRENNTAG PACIFIC INC	4545 ARDINE STREET	SEMS, RCRA-LQG, ICIS, FINDS, ECHO	Lower	2433, 0.461, SSW
O67	LOS ANGELES CHEMICAL	4545 ARDINE ST	ENVIROSTOR, SLIC, TSCA, HAZNET	Lower	2433, 0.461, SSW
O68	BRENNTAG PACIFIC INC	4545 ARDINE STREET	ENVIROSTOR, LUST, SLIC, VCP, SWEEPS UST, HIST UST,...	Lower	2433, 0.461, SSW
P69	I-710 CORRIDOR DISCO	NORTHERN I-710 CORRI	ENVIROSTOR	Lower	2444, 0.463, South
Q70	W.R. GRACE & COMPANY	4244 SANTA ANA ST	LUST, SLIC, HIST CORTESE	Lower	2457, 0.465, WSW
Q71	W.R. GRACE & COMPANY	4244 SANTA ANA ST	LUST, EMI	Lower	2457, 0.465, WSW
R72	UNITED STATES GYPSUM	4500 ARDINE ST	SEMS, RCRA-SQG, FINDS, HAZNET	Lower	2472, 0.468, SSW
R73	UNITED STATES GYPSUM	4500 ARDINE STREET	ENVIROSTOR	Lower	2472, 0.468, SSW
P74	GENERAL INSPECTION L	8427 ATLANTIC AVE	SEMS, RCRA-LQG, CHMIRS, FINDS, ECHO, EMI, LOS...	Lower	2493, 0.472, South
P75	GENERAL INSPECTION L	8427 ATLANTIC AVE	ENVIROSTOR, SLIC, LA Co. Site Mitigation	Lower	2493, 0.472, South
S76	SYSTEM DISPOSAL SERV	5240 SANTA ANA AVENU	RESPONSE, ENVIROSTOR, SWF/LF, WMUDS/SWAT, LIENS,..	Lower	2499, 0.473, ESE
S77	CUDAHY DUMP	5220 SANTA ANA ST	SWF/LF	Lower	2511, 0.476, ESE
78	R & R DRIVE IN DIARY	5133 FLORENCE AVE E	LUST, HIST CORTESE	Lower	2548, 0.483, ENE

MAPPED SITES SUMMARY

Target Property Address:
4811 ELIZABETH ST.
CUDAHY, CA 90201

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
79	RHONE POULENC BASIC	4570 ARDINE ST	SEMS, RCRA-SQG, ENVIROSTOR, LUST, SWEEPS UST, HIST	Lower	2594, 0.491, SSW
P80	MIKE ROCHE INC.	8445 SOUTH ATLANTIC	SLIC	Lower	2606, 0.494, South
S81	VLOEDMAN DUMP	5240 EAST SANTA ANA	SEMS	Lower	2609, 0.494, ESE
S82	CITY OF CUDAHY PARK	5240 SANTA ANA STREE	HIST Cal-Sites	Lower	2609, 0.494, ESE
T83	AAA RECYCLING METAL	7962 SALT LAKE AVE	SWRCY	Lower	2626, 0.497, WSW
T84	RCH PAPER BOX COMPAN	7962 SALT LAKE AVE	LUST, HIST CORTESE	Lower	2626, 0.497, WSW
85	M STEPHENS MANUFACTU	4839 PATATA ST	ENVIROSTOR, LUST, SWEEPS UST, EMI, HIST CORTESE	Lower	2644, 0.501, South
86	CUDAHY RESIDENTIAL A	5260 ELIZABETH ST.	RESPONSE, ENVIROSTOR, HIST Cal-Sites, DEED	Lower	2695, 0.510, ESE
87	ARMSTRONG WORLD INDU	5037 PATATA STREET	ENVIROSTOR	Lower	2840, 0.538, SSE
U88	PARK AVENUE ELEMENTA	8020 PARK AVENUE	ENVIROSTOR, SCH, HIST CORTESE	Lower	2866, 0.543, ESE
U89	PARK AVENUE EASEMENT	8020 PARK AVENUE	ENVIROSTOR, SCH	Lower	2866, 0.543, ESE
90	NSC LONG BCH		ENVIROSTOR	Lower	2906, 0.550, WSW
91	PQ CORP.	8401 QUARTZ AVENUE	ENVIROSTOR	Lower	2908, 0.551, SW
92	PACIFIC ALTENATORS	5247 FLORENCE	ENVIROSTOR, HAZNET	Lower	3065, 0.580, ENE
93	AMERON	4635 FIRESTONE BLVD.	ENVIROSTOR, LUST, VCP, HIST UST, HAZNET, WDS	Lower	3361, 0.637, South
V94	VAPEX	8600 RHEEM AVE	HWP	Lower	3461, 0.655, SW
V95	VAPEX	8600 RHEEM AVENUE	ENVIROSTOR, LUST, SLIC, SWEEPS UST, EMI, HIST...	Lower	3461, 0.655, SW
96	BOWERS MANUFACTURING	8685 BOWERS AVENUE	ENVIROSTOR, LUST, DEED, HIST CORTESE	Lower	3494, 0.662, SSW
97	SHULTZ STEEL COMPANY	8621 S RAYO ST	ENVIROSTOR, HAZNET	Lower	3800, 0.720, SE
98	CHEM-NICKEL COMPANY,	8414 OTIS AVENUE	ENVIROSTOR, SLIC, HAZNET, LA Co. Site Mitigation	Lower	3801, 0.720, SW
99	GREENS CLEANERS	4600 FIRESTONE BLVD	RCRA-SQG, RESPONSE, ENVIROSTOR, FINDS, ECHO,...	Lower	4118, 0.780, SSW
100	RHEEM MANUFACTURING		ENVIROSTOR	Lower	4396, 0.833, WSW
101	SOUTH REGION ES #4 S	8929 KAUFFMAN AVENUE	ENVIROSTOR, SCH, DEED	Lower	4427, 0.838, SSW
102	REISNER METALS	5225 E. FIRESTONE BL	ENVIROSTOR	Lower	4600, 0.871, SSE
103	BERK OIL	5614 SHULL ST	ENVIROSTOR, LUST, SLIC, HIST CORTESE	Lower	4600, 0.871, SE
W104	JERVIS WEBB	9301 RAYO AVE.	ENVIROSTOR	Lower	4636, 0.878, SSE
W105	WEBB, JERVIS B CO OF	9301 SO. RAYO	NPL, SEMS, RCRA-SQG, FINDS, HAZNET	Lower	4636, 0.878, SSE
106	CITY OF BELL REDEVEL	6399 ATLANTIC AVE	ENVIROSTOR, LOS ANGELES CO. HMS	Higher	4725, 0.895, North
X107	WOODLAWN ELEMENTARY	6314 WOODLAWN AVENUE	ENVIROSTOR, SCH	Higher	4854, 0.919, NNE
X108	WOODLAWN ELEMENTARY	6314 WOODLAWN AVENUE	ENVIROSTOR, SCH	Higher	4854, 0.919, NNE
109	SHULTZ STEEL COMPANY	5321 FIRESTONE BLVD	RCRA-SQG, ENVIROSTOR, LUST, AST, SWEEPS UST, HIST..	Lower	4908, 0.930, SSE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
ELIZABETH LEARNING C 4811 ELIZABETH STREE CUDAHY, CA 90201	ENVIROSTOR Facility Id: 19820085 Status: Inactive - Needs Evaluation SCH Facility Id: 19820085 Status: Inactive - Needs Evaluation	N/A
ELIZABETH LEARNING C 4811 ELIZABETH ST CUDAHY, CA 90201	FINDS Registry ID:: 110036985796 ECHO	N/A
LAUSD/ ELIZABETH ST 4811 ELIZABETH ST CUDAHY, CA 90201	HAZNET GEPAID: CAD982045494	N/A
ELIZABETH LEARNING C 4811 ELIZABETH ST CUDAHY, CA 90201	RCRA-LQG EPA ID:: CAR000193862	CAR000193862
LAUSD-ELIZABETH LEAR 4811 ELIZABETH ST CUDAHY, CA 90201	HAZNET GEPAID: CAR000193862	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

EXECUTIVE SUMMARY

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

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

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

HAULERS ---- Registered Waste Tire Haulers Listing
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---- Open Dump Inventory
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
AOCONCERN ---- San Gabriel Valley Areas of Concern
CDL ---- Clandestine Drug Labs
Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CA FID UST ---- Facility Inventory Database

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information

Records of Emergency Release Reports

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

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
ICIS ---- Integrated Compliance Information System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data

COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
HIST FTTS ---- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---- Incident and Accident Data
CONSENT ---- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---- Indian Reservations
FUSRAP ---- Formerly Utilized Sites Remedial Action Program
UMTRA ---- Uranium Mill Tailings Sites
LEAD SMELTERS ---- Lead Smelter Sites
US AIRS ---- Aerometric Information Retrieval System Facility Subsystem
US MINES ---- Mines Master Index File
ABANDONED MINES ---- Abandoned Mines
UXO ---- Unexploded Ordnance Sites
DOCKET HWC ---- Hazardous Waste Compliance Docket Listing
FUELS PROGRAM ---- EPA Fuels Program Registered Listing
CA BOND EXP. PLAN ---- Bond Expenditure Plan
Cortese ---- "Cortese" Hazardous Waste & Substances Sites List
CUPA Listings ---- CUPA Resources List
DRYCLEANERS ---- Cleaner Facilities
EMI ---- Emissions Inventory Data
ENF ---- Enforcement Action Listing
Financial Assurance ---- Financial Assurance Information Listing
ICE ---- ICE
LOS ANGELES CO. HMS ---- HMS: Street Number List
HWT ---- Registered Hazardous Waste Transporter Database
MINES ---- Mines Site Location Listing
MWMP ---- Medical Waste Management Program Listing
NPDES ---- NPDES Permits Listing
PEST LIC ---- Pesticide Regulation Licenses Listing
PROC ---- Certified Processors Database
Notify 65 ---- Proposition 65 Records
LA Co. Site Mitigation ---- Site Mitigation List
UIC ---- UIC Listing
WASTEWATER PITS ---- Oil Wastewater Pits Listing
WDS ---- Waste Discharge System
WIP ---- Well Investigation Program Case List

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---- EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF ---- Recovered Government Archive Solid Waste Facilities List
RGA LUST ---- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

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 NPL site list

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 04/05/2017 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEBB, JERVIS B CO OF	***9301 SO. RAYO***	***SSE 1/2 - 1 (0.878 mi.)***	***W105***	***377***

Federal CERCLIS list

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

A review of the SEMS list, as provided by EDR, and dated 02/07/2017 has revealed that there are 5 SEMS sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BRENNTAG PACIFIC INC	***4545 ARDINE STREET***	***SSW 1/4 - 1/2 (0.461 mi.)***	***O66***	***184***
UNITED STATES GYPSUM	***4500 ARDINE ST***	***SSW 1/4 - 1/2 (0.468 mi.)***	***R72***	***226***
GENERAL INSPECTION L	***8427 ATLANTIC AVE***	***S 1/4 - 1/2 (0.472 mi.)***	***P74***	***231***
RHONE POULENC BASIC	***4570 ARDINE ST***	***SSW 1/4 - 1/2 (0.491 mi.)***	***79***	***258***
VLOEDMAN DUMP	5240 EAST SANTA ANA	ESE 1/4 - 1/2 (0.494 mi.)	S81	272

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/12/2016 has revealed that there are 4 RCRA-SQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PHOTOMAX ONE HOUR	***7910 S ATLANTIC BLVD***	***SSW 0 - 1/8 (0.075 mi.)***	***C11***	***23***
K MART NO 3337	***8017 S ATLANTIC AVE***	***SSW 0 - 1/8 (0.096 mi.)***	***C15***	***28***
CHOIS MOBIL	***8029 ATLANTIC***	***SSW 1/8 - 1/4 (0.151 mi.)***	***E24***	***35***
WESTERN DIESEL ELECT	***8135 ATLANTIC AVE***	***S 1/8 - 1/4 (0.237 mi.)***	***H38***	***67***

State- and tribal - equivalent NPL

RESPONSE: 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.

A review of the RESPONSE list, as provided by EDR, has revealed that there are 3 RESPONSE sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SYSTEM DISPOSAL SERV	***5240 SANTA ANA AVENU***	***ESE 1/4 - 1/2 (0.473 mi.)***	***S76***	***248***
Database: RESPONSE, Date of Government Version: 07/31/2017 Status: Certified O&M - Land Use Restrictions Only Facility Id: 19000010				
CUDAHY RESIDENTIAL A	***5260 ELIZABETH ST.***	***ESE 1/2 - 1 (0.510 mi.)***	***86***	***286***
Database: RESPONSE, Date of Government Version: 07/31/2017 AWP Facility Id: 19000019 Status: Certified O&M - Land Use Restrictions Only Facility Id: 19000019				
GREENS CLEANERS	***4600 FIRESTONE BLVD***	***SSW 1/2 - 1 (0.780 mi.)***	***99***	***331***
Database: RESPONSE, Date of Government Version: 07/31/2017 Status: Active Facility Id: 60002279				

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to,

identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 07/31/2017 has revealed that there are 35 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTH REGION ES #3 5 Facility Id: 60000128 Status: Certified / Operation & Maintenance	***ATLANTIC AVENUE/FLOR***	***NNW 1/4 - 1/2 (0.400 mi.)***	***J53***	***130***
FORMER MIDAS MUFFLER Facility Id: 60001861 Status: No Action Required	4406 E. FLORENCE AVE	NNW 1/4 - 1/2 (0.427 mi.)	M58	156
CITY OF BELL REDEVEL Facility Id: 19550015 Status: Refer: RWQCB	***6399 ATLANTIC AVE***	***N 1/2 - 1 (0.895 mi.)***	***106***	***384***
WOODLAWN ELEMENTARY Facility Id: 19820045 Status: No Further Action	***6314 WOODLAWN AVENUE***	***NNE 1/2 - 1 (0.919 mi.)***	***X107***	***385***
WOODLAWN ELEMENTARY Facility Id: 19820062 Status: No Action Required	***6314 WOODLAWN AVENUE***	***NNE 1/2 - 1 (0.919 mi.)***	***X108***	***389***

Lower Elevation	Address	Direction / Distance	Map ID	Page
PARK AVENUE PRIMARY Facility Id: 19590014 Status: No Further Action	***7326 SOUTH WILCOX AV***	***ENE 1/4 - 1/2 (0.265 mi.)***	***39***	***70***
CONSOLIDATED PRECISI Facility Id: 60002010 Status: No Action Required	***8333 WILCOX AVENUE***	***SSE 1/4 - 1/2 (0.417 mi.)***	***L56***	***152***
QUALITY DISTRIBUTION Facility Id: 60001785 Status: Active	5042 CECILA STREET	SE 1/4 - 1/2 (0.453 mi.)	65	182
LOS ANGELES CHEMICAL Facility Id: 60001972 Status: Active	***4545 ARDINE ST***	***SSW 1/4 - 1/2 (0.461 mi.)***	***O67***	***197***
BRENNTAG PACIFIC INC Facility Id: 60000330 Status: Active	***4545 ARDINE STREET***	***SSW 1/4 - 1/2 (0.461 mi.)***	***O68***	***199***
I-710 CORRIDOR DISCO Facility Id: 60002108 Status: Active	NORTHERN I-710 CORRI	S 1/4 - 1/2 (0.463 mi.)	P69	219
UNITED STATES GYPSUM Facility Id: 60002083 Status: Inactive - Needs Evaluation	4500 ARDINE STREET	SSW 1/4 - 1/2 (0.468 mi.)	R73	230
GENERAL INSPECTION L Facility Id: 71002336 Status: Active	***8427 ATLANTIC AVE***	***S 1/4 - 1/2 (0.472 mi.)***	***P75***	***244***
SYSTEM DISPOSAL SERV	***5240 SANTA ANA AVENU***	***ESE 1/4 - 1/2 (0.473 mi.)***	***S76***	***248***

Facility Id: 19000010 Status: Certified O&M - Land Use Restrictions Only				
RHONE POULENC BASIC Facility Id: 19280830 Status: Active	***4570 ARDINE ST***	***SSW 1/4 - 1/2 (0.491 mi.)***	***79***	***258***
M STEPHENS MANUFACTU Facility Id: 60001790 Status: Refer: EPA	***4839 PATATA ST***	***S 1/2 - 1 (0.501 mi.)***	***85***	***281***
CUDAHY RESIDENTIAL A Facility Id: 19000019 Status: Certified O&M - Land Use Restrictions Only	***5260 ELIZABETH ST.***	***ESE 1/2 - 1 (0.510 mi.)***	***86***	***286***
ARMSTRONG WORLD INDU Facility Id: 60001786 Status: Refer: EPA	5037 PATATA STREET	SSE 1/2 - 1 (0.538 mi.)	87	294
PARK AVENUE ELEMENTA Facility Id: 19490127 Status: No Further Action	***8020 PARK AVENUE***	***ESE 1/2 - 1 (0.543 mi.)***	***U88***	***295***
PARK AVENUE EASEMENT Facility Id: 19490249 Status: No Action Required	***8020 PARK AVENUE***	***ESE 1/2 - 1 (0.543 mi.)***	***U89***	***299***
NSC LONG BCH Facility Id: 80000670 Status: Inactive - Needs Evaluation		WSW 1/2 - 1 (0.550 mi.)	90	302
PQ CORP. Facility Id: 71002103 Status: No Action Required	8401 QUARTZ AVENUE	SW 1/2 - 1 (0.551 mi.)	91	303
PACIFIC ALTENATORS Facility Id: 60001975 Status: Active	***5247 FLORENCE***	***ENE 1/2 - 1 (0.580 mi.)***	***92***	***304***
AMERON Facility Id: 19320200 Status: Certified	***4635 FIRESTONE BLVD.***	***S 1/2 - 1 (0.637 mi.)***	***93***	***306***
VAPEX Facility Id: 80001577 Status: * Inactive	***8600 RHEEM AVENUE***	***SW 1/2 - 1 (0.655 mi.)***	***V95***	***315***
BOWERS MANUFACTURING Facility Id: 71002095 Status: Certified O&M - Land Use Restrictions Only	***8685 BOWERS AVENUE***	***SSW 1/2 - 1 (0.662 mi.)***	***96***	***319***
SHULTZ STEEL COMPANY Facility Id: 60001976 Status: No Further Action	***8621 S RAYO ST***	***SE 1/2 - 1 (0.720 mi.)***	***97***	***326***
CHEM-NICKEL COMPANY, Facility Id: 19340423 Status: Refer: RWQCB	***8414 OTIS AVENUE***	***SW 1/2 - 1 (0.720 mi.)***	***98***	***329***
GREENS CLEANERS Facility Id: 60002279 Status: Active	***4600 FIRESTONE BLVD***	***SSW 1/2 - 1 (0.780 mi.)***	***99***	***331***
RHEEM MANUFACTURING Facility Id: 80001132		WSW 1/2 - 1 (0.833 mi.)	100	349

Status: Inactive - Needs Evaluation

SOUTH REGION ES #4 S	***8929 KAUFFMAN AVENUE***	***SSW 1/2 - 1 (0.838 mi.)***	***101***	***350***
Facility Id: 60000123				
Status: Certified / Operation & Maintenance				
REISNER METALS	5225 E. FIRESTONE BL	SSE 1/2 - 1 (0.871 mi.)	102	368
Facility Id: 60001688				
Status: Refer: EPA				
BERK OIL	***5614 SHULL ST***	***SE 1/2 - 1 (0.871 mi.)***	***103***	***369***
Facility Id: 60001537				
Status: Inactive - Action Required				
JERVIS WEBB	9301 RAYO AVE.	SSE 1/2 - 1 (0.878 mi.)	W104	374
Facility Id: 60001714				
Facility Id: 60000332				
Status: Refer: EPA				
Status: Active				
SHULTZ STEEL COMPANY	***5321 FIRESTONE BLVD***	***SSE 1/2 - 1 (0.930 mi.)***	***109***	***391***
Facility Id: 71003718				
Status: Active				

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

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there are 3 SWF/LF sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WASTE MANAGEMENT SOU	***4489 ARDINE STREET***	***SW 1/4 - 1/2 (0.442 mi.)***	***O61***	***162***
Database: LOS ANGELES CO. LF, Date of Government Version: 04/17/2017				
Database: SWF/LF (SWIS), Date of Government Version: 02/13/2017				
Facility ID: 19-AA-0856				
Site ID: 207				
Status: Active				
Operational Status: Active				
Regulation Status: Permitted				
SYSTEM DISPOSAL SERV	***5240 SANTA ANA AVENU***	***ESE 1/4 - 1/2 (0.473 mi.)***	***S76***	***248***
Database: LOS ANGELES CO. LF, Date of Government Version: 04/17/2017				
Site ID: 2034				
Status: Closed				
CUDAHY DUMP	5220 SANTA ANA ST	ESE 1/4 - 1/2 (0.476 mi.)	S77	255
Database: SWF/LF (SWIS), Date of Government Version: 02/13/2017				
Facility ID: 19-AA-5292				

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 27 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OKEH CATERERS	7301 ATLANTIC AVE.	NW 1/4 - 1/2 (0.339 mi.)	46	86
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/13/2017 Status: Open - Verification Monitoring Facility Id: R-03600 Status: Leak being confirmed Global Id: T0603717337 Global ID: T0603717337				
ARCO #3043	***7200 ATLANTIC AVE S***	***NNW 1/4 - 1/2 (0.365 mi.)***	***J47***	***94***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/13/2017 Status: Open - Remediation Facility Id: I-00474 Status: Remedial action (cleanup) Underway Global Id: T0603702713 Global ID: T0603702713				
TOSCO - 76 STATION #	4965 FLORENCE AVE E	NE 1/4 - 1/2 (0.381 mi.)	K48	107
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/13/2017 Status: Completed - Case Closed Facility Id: I-11003 Status: Remedial action (cleanup) Underway Global Id: T0603703710 Global ID: T0603703710				
CHEVRON #9-1686	5001 FLORENCE AVE E	NE 1/4 - 1/2 (0.397 mi.)	K50	121
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/13/2017 Status: Completed - Case Closed Facility Id: I-09910A Status: Preliminary site assessment underway Global Id: T0603703520 Global Id: T0603703521 Global ID: T0603703521				
CHEVRON STATION 9168	***5001 FLORENCE AVE***	***NE 1/4 - 1/2 (0.397 mi.)***	***K51***	***126***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: I-09910 Status: Case Closed Global ID: T0603703520				
TUNE UP MASTERS SHOP	***4404 FLORENCE AVE E***	***NNW 1/4 - 1/2 (0.433 mi.)***	***M59***	***157***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/13/2017 Status: Completed - Case Closed Facility Id: I-15453				

Status: Case Closed
Global Id: T0603704307
Global ID: T0603704307

JACK'S CAR WASH ***7030 ATLANTIC AVE S*** ***NNW 1/4 - 1/2 (0.434 mi.)*** ***N60*** ***159***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/13/2017
Status: Completed - Case Closed
Facility Id: R-15794
Status: Pollution Characterization
Global Id: T0603705265
Global ID: T0603705265

SHELL #204-0576-0503 ***7121 ATLANTIC AVE S*** ***NNW 1/4 - 1/2 (0.446 mi.)*** ***N62*** ***166***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/13/2017
Status: Completed - Case Closed
Facility Id: I-09497
Status: Remedial action (cleanup) Underway
Global Id: T0603703434
Global ID: T0603703434

Lower Elevation	Address	Direction / Distance	Map ID	Page

U-HAUL CO #712-022 ***7842 ATLANTIC AVE*** ***SW 0 - 1/8 (0.066 mi.)*** ***B10*** ***19***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/13/2017
Status: Completed - Case Closed
Facility Id: R-13178
Status: Case Closed
Global Id: T0603705180
Global ID: T0603705180

MOBIL ***8029 ATLANTIC AVE S*** ***SSW 1/8 - 1/4 (0.151 mi.)*** ***E23*** ***33***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/13/2017
Status: Completed - Case Closed
Facility Id: I-03054
Status: Case Closed
Global Id: T0603702885
Global ID: T0603702885

PORTER SUPER SERVICE ***8100 ATLANTIC AVE*** ***S 1/8 - 1/4 (0.174 mi.)*** ***F28*** ***40***
Database: LUST, Date of Government Version: 03/13/2017
Status: Completed - Case Closed
Global Id: T0603736845

STATION 022 ***8111 ATLANTIC BLVD*** ***SSW 1/8 - 1/4 (0.188 mi.)*** ***E29*** ***44***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/13/2017
Status: Completed - Case Closed
Facility Id: I-13847
Status: Preliminary site assessment underway
Global Id: T0603704111
Global ID: T0603704111

M & S ENTERPRISES ***5001 CLARA ST E*** ***E 1/8 - 1/4 (0.198 mi.)*** ***G33*** ***52***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/13/2017

Status: Completed - Case Closed
Facility Id: I-03812
Status: Pollution Characterization
Global Id: T0603702940
Global ID: T0603702940

BC FOOD MARKET ***5001 CLARA ST*** ***E 1/8 - 1/4 (0.198 mi.)*** ***G35*** ***63***
Database: LUST, Date of Government Version: 03/13/2017
Status: Open - Site Assessment
Global Id: T10000007271

GRANDE VISTA STEEL A 8201 SOUTH ATLANTIC S 1/4 - 1/2 (0.271 mi.) H40 72
Database: LUST, Date of Government Version: 03/13/2017
Status: Completed - Case Closed
Global Id: T0603795770

ALFA MIRRORS INC. ***4935 CECILIA ST*** ***SSE 1/4 - 1/2 (0.306 mi.)*** ***43*** ***75***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/13/2017
Status: Completed - Case Closed
Facility Id: I-15837
Status: Case Closed
Global Id: T0603704356
Global ID: T0603704356

PIAZZA TRUCKING INC ***4841 CECILIA ST*** ***SSE 1/4 - 1/2 (0.307 mi.)*** ***I44*** ***78***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/13/2017
Status: Completed - Case Closed
Facility Id: I-03296
Status: Case Closed
Global Id: T0603702902
Global ID: T0603702902

CUDAHY BUILDING MATE ***8331 ATLANTIC AVE*** ***S 1/4 - 1/2 (0.337 mi.)*** ***45*** ***84***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/13/2017
Status: Completed - Case Closed
Facility Id: I-15953
Status: Case Closed
Global Id: T0603704371
Global ID: T0603704371

MATLACK INC ***8332 WILCOX AVE*** ***SSE 1/4 - 1/2 (0.413 mi.)*** ***L54*** ***142***
Database: LUST, Date of Government Version: 03/13/2017
Status: Completed - Case Closed
Global Id: T0603703785

MATLACK INC ***8332 WILCOX AVE*** ***SSE 1/4 - 1/2 (0.413 mi.)*** ***L55*** ***149***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: I-11357
Status: Case Closed
Global ID: T0603703785

INCO EXPRESS, INC. ***8410 SALT LAKE AVE*** ***SSW 1/4 - 1/2 (0.423 mi.)*** ***57*** ***153***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/13/2017
Status: Completed - Case Closed
Facility Id: I-15115
Status: Case Closed

Global Id: T0603704261
Global ID: T0603704261

BRENNTAG PACIFIC INC ***4545 ARDINE STREET*** ***SSW 1/4 - 1/2 (0.461 mi.)*** ***O68*** ***199***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: 902800034
Status: Remedial action (cleanup) Underway
Global ID: T0603701321

W.R. GRACE & COMPANY ***4244 SANTA ANA ST*** ***WSW 1/4 - 1/2 (0.465 mi.)*** ***Q70*** ***220***
Database: LUST, Date of Government Version: 03/13/2017
Status: Completed - Case Closed
Global Id: T0603704237
Global Id: T10000002638
Global Id: T0603757913

W.R. GRACE & COMPANY ***4244 SANTA ANA ST*** ***WSW 1/4 - 1/2 (0.465 mi.)*** ***Q71*** ***224***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: I-14966
Status: Case Closed
Global ID: T0603704237

R & R DRIVE IN DIARY ***5133 FLORENCE AVE E*** ***ENE 1/4 - 1/2 (0.483 mi.)*** ***78*** ***255***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/13/2017
Status: Completed - Case Closed
Facility Id: R-26544
Status: Leak being confirmed
Global Id: T0603705542
Global ID: T0603705542

RHONE POULENC BASIC ***4570 ARDINE ST*** ***SSW 1/4 - 1/2 (0.491 mi.)*** ***79*** ***258***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/13/2017
Status: Completed - Case Closed
Facility Id: I-00524
Status: Case Closed
Global Id: T0603702717
Global ID: T0603702717

RCH PAPER BOX COMPAN ***7962 SALT LAKE AVE*** ***WSW 1/4 - 1/2 (0.497 mi.)*** ***T84*** ***279***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/13/2017
Status: Completed - Case Closed
Facility Id: I-15265
Status: Case Closed
Global Id: T0603704282
Global ID: T0603704282

SLIC: 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.

A review of the SLIC list, as provided by EDR, has revealed that there are 9 SLIC sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CUDAHY PLAZA PARCEL	***4600 ELIZABETH***	***SSW 0 - 1/8 (0.038 mi.)***	***B6***	***16***

Database: SLIC REG 4, Date of Government Version: 11/17/2004
Database: SLIC, Date of Government Version: 03/13/2017

Facility Status: Completed - Case Closed
Facility Status: No further action required
Global Id: SL2047B1670

CUDAHY PLAZA PARCEL | 7913 ATLANTIC AVE | SSW 0 - 1/8 (0.093 mi.) | C12 | 25
Database: SLIC REG 4, Date of Government Version: 11/17/2004
Database: SLIC, Date of Government Version: 03/13/2017
Facility Status: Completed - Case Closed
Facility Status: No further action required
Global Id: SL0603727870

PETROCHEM MATERIALS | 4242 SANTA ANA STREE | WSW 1/4 - 1/2 (0.447 mi.) | 63 | 174
Database: SLIC, Date of Government Version: 03/13/2017
Facility Status: Completed - Case Closed
Global Id: T10000000314

ON ATLANTIC, LLC | 8411 ATLANTIC | S 1/4 - 1/2 (0.452 mi.) | P64 | 180
Database: SLIC REG 4, Date of Government Version: 11/17/2004
Database: SLIC, Date of Government Version: 03/13/2017
Facility Status: Open - Site Assessment
Facility Status: Site Assessment
Global Id: SL0603783105

LOS ANGELES CHEMICAL | 4545 ARDINE ST | SSW 1/4 - 1/2 (0.461 mi.) | O67 | 197
Database: SLIC REG 4, Date of Government Version: 11/17/2004
Facility Status: Remediation

BRENNTAG PACIFIC INC | 4545 ARDINE STREET | SSW 1/4 - 1/2 (0.461 mi.) | O68 | 199
Database: SLIC, Date of Government Version: 03/13/2017
Facility Status: Open - Inactive
Global Id: SL204671639

W.R. GRACE & COMPANY | 4244 SANTA ANA ST | WSW 1/4 - 1/2 (0.465 mi.) | Q70 | 220
Database: SLIC REG 4, Date of Government Version: 11/17/2004
Database: SLIC, Date of Government Version: 03/13/2017
Facility Status: Completed - Case Closed
Facility Status: No further action required
Global Id: SLT4308684

GENERAL INSPECTION L | 8427 ATLANTIC AVE | S 1/4 - 1/2 (0.472 mi.) | P75 | 244
Database: SLIC REG 4, Date of Government Version: 11/17/2004
Database: SLIC, Date of Government Version: 03/13/2017
Facility Status: Open - Inactive
Facility Status: Site Assessment
Global Id: SL0603749673

MIKE ROCHE INC. | 8445 SOUTH ATLANTIC | S 1/4 - 1/2 (0.494 mi.) | P80 | 272
Database: SLIC, Date of Government Version: 03/13/2017
Facility Status: Completed - Case Closed
Global Id: T10000002946

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 2 UST sites within

approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
IMPERIAL PARK INC Database: UST, Date of Government Version: 03/12/2017 Facility Id: LACoFA0003748 Facility Id: 27072	8111 ATLANTIC AVE	SSW 1/8 - 1/4 (0.188 mi.)	E30	48
DEEP KB ENTERPRISE, Database: UST, Date of Government Version: 03/12/2017 Facility Id: 31648 Facility Id: LACoFA0007558	5001 CLARA ST	E 1/8 - 1/4 (0.198 mi.)	G34	62

State and tribal voluntary cleanup sites

VCP: 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.

A review of the VCP list, as provided by EDR, and dated 07/31/2017 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BRENNTAG PACIFIC INC Status: Active Facility Id: 60000330	***4545 ARDINE STREET***	***SSW 1/4 - 1/2 (0.461 mi.)***	***O68***	***199***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there are 2 WMUDS/SWAT sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SYSTEM DISPOSAL SERV	4841 EAST CECLIA STR	SSE 1/4 - 1/2 (0.299 mi.)	I42	74
SYSTEM DISPOSAL SERV	***5240 SANTA ANA AVENU***	***ESE 1/4 - 1/2 (0.473 mi.)***	***S76***	***248***

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 03/13/2017 has revealed that there are 2 SWRCY sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LAUR METALS CO	***7300 ATLANTIC AVE***	***NNW 1/4 - 1/2 (0.279 mi.)***	***41***	***73***

Cert Id: RC12104

Lower Elevation	Address	Direction / Distance	Map ID	Page
AAA RECYCLING METAL Cert Id: RC154604.001	7962 SALT LAKE AVE	WSW 1/4 - 1/2 (0.497 mi.)	T83	278

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there are 2 HIST Cal-Sites sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF CUDAHY PARK	5240 SANTA ANA STREE	ESE 1/4 - 1/2 (0.494 mi.)	S82	275
CUDAHY RESIDENTIAL A	***5260 ELIZABETH ST.***	***ESE 1/2 - 1 (0.510 mi.)***	***86***	***286***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 7 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SEARS ROEBUCK Status: A Comp Number: 11628	7801 ATLANTIC BLVD	W 0 - 1/8 (0.123 mi.)	D20	31

Lower Elevation	Address	Direction / Distance	Map ID	Page
U-HAUL CO #712-022 Status: A Tank Status: A Comp Number: 13178	***7842 ATLANTIC AVE***	***SW 0 - 1/8 (0.066 mi.)***	***B10***	***19***
MOBIL OIL CORP Status: A Tank Status: A Comp Number: 3054	***8029 ATLANTIC AVE***	***SSW 1/8 - 1/4 (0.151 mi.)***	***E25***	***36***
PORTER SUPER SERVICE Status: A Comp Number: 11449	***8100 ATLANTIC AVE***	***S 1/8 - 1/4 (0.174 mi.)***	***F28***	***40***
CALIFORNIA TARGET EN	***8111 ATLANTIC AVE***	***SSW 1/8 - 1/4 (0.188 mi.)***	***E32***	***50***

Status: A
Tank Status: A
Comp Number: 13847

C&H GENERAL AUTO REP	***5001 CLARA ST***	***E 1/8 - 1/4 (0.198 mi.)***	***G36***	***65***
Status: A Tank Status: A Comp Number: 3812				
AAA PAPERSTOCK	4610 SANTA ANITA ST	SSW 1/8 - 1/4 (0.222 mi.)	37	67
Status: A Comp Number: 13479				

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 10 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SEARS ROEBUCK,CUDAHY Facility Id: 00000005455	7801 ATLANTIC AVE	W 0 - 1/8 (0.123 mi.)	D21	31
SEARS ROEBUCK CUDAHY	7801 S ATLANTIC AVE	W 0 - 1/8 (0.123 mi.)	D22	32

Lower Elevation	Address	Direction / Distance	Map ID	Page
ATLANTIC MOVING CENT Facility Id: 00000003549	7842 ATLANTIC BL	SW 0 - 1/8 (0.066 mi.)	B9	19
KMART CORPORATION	***8017 S ATLANTIC AVE***	***SSW 0 - 1/8 (0.096 mi.)***	***C14***	***26***
KMART ENTERPRISES Facility Id: 00000017213	8017 ATLANTIC AVE	SSW 0 - 1/8 (0.096 mi.)	C16	30
B YUEN Facility Id: 00000039955	8029 ATLANTIC	SSW 1/8 - 1/4 (0.151 mi.)	E26	38
PORTER SUPER SERVICE Facility Id: 00000060994	***8100 ATLANTIC AVE***	***S 1/8 - 1/4 (0.174 mi.)***	***F28***	***40***
STATION 022	***8111 ATLANTIC BLVD***	***SSW 1/8 - 1/4 (0.188 mi.)***	***E29***	***44***
STATION 022 Facility Id: 00000005233	8111 ATLANTIC AVE	SSW 1/8 - 1/4 (0.188 mi.)	E31	49
BC FOOD MARKET Facility Id: 00000055889	***5001 CLARA ST***	***E 1/8 - 1/4 (0.198 mi.)***	***G35***	***63***

Local Land Records

DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the DEED list, as provided by EDR, and dated 06/05/2017 has revealed that there are 2 DEED sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTH REGION ES #3 5	***ATLANTIC AVENUE/FLOR***	***NNW 1/4 - 1/2 (0.400 mi.)***	***J53***	***130***

Status: CERTIFIED / OPERATION & MAINTENANCE
Envirostor ID: 60000128

Lower Elevation	Address	Direction / Distance	Map ID	Page
SYSTEM DISPOSAL SERV	***5240 SANTA ANA AVENU***	***ESE 1/4 - 1/2 (0.473 mi.)***	***S76***	***248***

Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Envirostor ID: 19000010

Other Ascertainable Records

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/12/2016 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ATLANTIC MOTORS AUTO	***8100 ATLANTIC AVE***	***S 1/8 - 1/4 (0.174 mi.)***	***F27***	***39***

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

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 20 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARCO #3043	***7200 ATLANTIC AVE S***	***NNW 1/4 - 1/2 (0.365 mi.)***	***J47***	***94***
Reg Id: I-00474				
UNOCAL STATION #3574	***4965 FLORENCE***	***NE 1/4 - 1/2 (0.381 mi.)***	***K49***	***118***
Reg Id: I-11003				
CHEVRON #9-1686	5001 FLORENCE	NE 1/4 - 1/2 (0.397 mi.)	K52	129
Reg Id: I-09910				
Reg Id: I-09910A				
TUNE UP MASTERS SHOP	***4404 FLORENCE AVE E***	***NNW 1/4 - 1/2 (0.433 mi.)***	***M59***	***157***
Reg Id: I-15453				
JACK'S CAR WASH	***7030 ATLANTIC AVE S***	***NNW 1/4 - 1/2 (0.434 mi.)***	***N60***	***159***
Reg Id: R-15794				
SHELL #204-0576-0503	***7121 ATLANTIC AVE S***	***NNW 1/4 - 1/2 (0.446 mi.)***	***N62***	***166***
Reg Id: I-09497				

Lower Elevation	Address	Direction / Distance	Map ID	Page
U-HAUL CO #712-022	***7842 ATLANTIC AVE***	***SW 0 - 1/8 (0.066 mi.)***	***B10***	***19***

Reg Id: R-13178				
MOBIL Reg Id: I-03054	***8029 ATLANTIC AVE S***	***SSW 1/8 - 1/4 (0.151 mi.)***	***E23***	***33***
STATION 022 Reg Id: I-13847	***8111 ATLANTIC BLVD***	***SSW 1/8 - 1/4 (0.188 mi.)***	***E29***	***44***
M & S ENTERPRISES Reg Id: I-03812	***5001 CLARA ST E***	***E 1/8 - 1/4 (0.198 mi.)***	***G33***	***52***
ALFA MIRRORS INC. Reg Id: I-15837	***4935 CECILIA ST***	***SSE 1/4 - 1/2 (0.306 mi.)***	***43***	***75***
PIAZZA TRUCKING INC Reg Id: I-03296	***4841 CECILIA ST***	***SSE 1/4 - 1/2 (0.307 mi.)***	***I44***	***78***
CUDAHY BUILDING MATE Reg Id: I-15953	***8331 ATLANTIC AVE***	***S 1/4 - 1/2 (0.337 mi.)***	***45***	***84***
MATLACK INC Reg Id: I-11357	***8332 WILCOX AVE***	***SSE 1/4 - 1/2 (0.413 mi.)***	***L54***	***142***
INCO EXPRESS, INC. Reg Id: I-15115	***8410 SALT LAKE AVE***	***SSW 1/4 - 1/2 (0.423 mi.)***	***57***	***153***
BRENNTAG PACIFIC INC Reg Id: 902800034	***4545 ARDINE STREET***	***SSW 1/4 - 1/2 (0.461 mi.)***	***O68***	***199***
W.R. GRACE & COMPANY Reg Id: I-14966	***4244 SANTA ANA ST***	***WSW 1/4 - 1/2 (0.465 mi.)***	***Q70***	***220***
R & R DRIVE IN DIARY Reg Id: R-26544	***5133 FLORENCE AVE E***	***ENE 1/4 - 1/2 (0.483 mi.)***	***78***	***255***
RHONE POULENC BASIC Reg Id: I-00524 Reg Id: 524	***4570 ARDINE ST***	***SSW 1/4 - 1/2 (0.491 mi.)***	***79***	***258***
RCH PAPER BOX COMPAN Reg Id: I-15265	***7962 SALT LAKE AVE***	***WSW 1/4 - 1/2 (0.497 mi.)***	***T84***	***279***

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 05/22/2017 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
VAPEX EPA Id: CAD008385791 Cleanup Status: PROTECTIVE FILER	8600 RHEEM AVE	SW 1/2 - 1 (0.655 mi.)	V94	314

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EXECUTIVE SUMMARY

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 5 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JONES MOBIL SERVICE	7656 ATLANTIC AVE	WNW 0 - 1/8 (0.123 mi.)	19	31

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOLAROLI MARIO	7900 S ATLANTIC BLVD	SSW 0 - 1/8 (0.047 mi.)	B7	18
FICKENGER BOB	7830 ATLANTIC BLVD	SW 0 - 1/8 (0.063 mi.)	B8	18
PENSKE AUTO CENTERS	8017 ATLANTIC AVE	SSW 0 - 1/8 (0.096 mi.)	C17	30
CUDAHY AUTO SERVICE	7815 ATLANTIC	WSW 0 - 1/8 (0.107 mi.)	18	30

EDR Hist Cleaner: 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.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

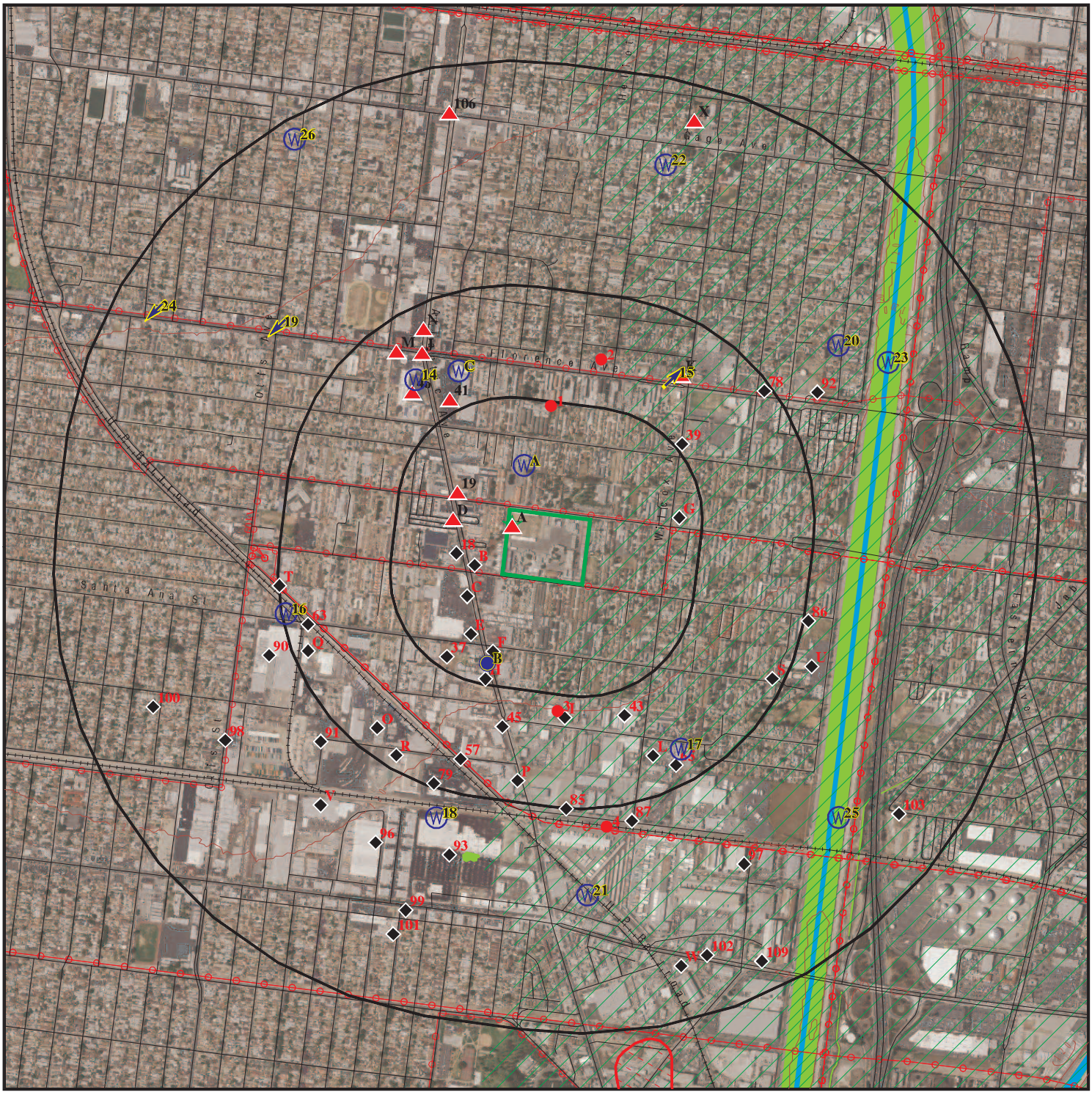
Lower Elevation	Address	Direction / Distance	Map ID	Page
CUDAHY 1 HOUR MARTIN	7913 S ATLANTIC	SSW 0 - 1/8 (0.093 mi.)	C13	25

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

Site Name	Database(s)
MARRS FABULOUS CLEANERS	SLIC
SOUTH REGION MIDDLE SCHOOL #2	ENVIROSTOR, SCH
BELL NEW ELEMENTARY SCHOOL NO. 3	ENVIROSTOR, SCH
STANFORD NEW PRIMARY CENTER	ENVIROSTOR, SCH

OVERVIEW MAP - 05028286.2R



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: LAUSD	CLIENT: APTIM
ADDRESS: 4811 Elizabeth St. Cudahy CA 90201	CONTACT: Doug Hulmes
LAT/LONG: 33.96473 / 118.184663	INQUIRY #: 05028286.2r
	DATE: August 21, 2017 5:14 pm

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DETAIL MAP - 05028286.2R



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- 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: LAUSD	CLIENT: APTIM
ADDRESS: 4811 Elizabeth St. Cudahy CA 90201	CONTACT: Doug Hulmes
LAT/LONG: 33.96473 / 118.184663	INQUIRY #: 05028286.2r
	DATE: August 21, 2017 5:21 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	1	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	5	NR	NR	5
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250	1	0	0	NR	NR	NR	1
RCRA-SQG	0.250		2	2	NR	NR	NR	4
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	1	2	NR	3
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000	1	0	0	12	23	NR	36
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	3	NR	NR	3
State and tribal leaking storage tank lists								
LUST	0.500		1	5	21	NR	NR	27

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
SLIC	0.500		2	0	7	NR	NR	9
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	2	NR	NR	NR	2
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	1	NR	NR	1
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	2	NR	NR	2
SWRCY	0.500		0	0	2	NR	NR	2
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
AOCONCERN	1.000		0	0	0	0	NR	0
HIST Cal-Sites	1.000		0	0	1	1	NR	2
SCH	0.250	1	0	0	NR	NR	NR	1
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		2	5	NR	NR	NR	7
HIST UST	0.250		5	5	NR	NR	NR	10
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	2	NR	NR	2

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	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	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP	1	NR	NR	NR	NR	NR	1
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	2	NR	NR	NR	NR	NR	2
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		1	3	16	NR	NR	20
LOS ANGELES CO. HMS	TP		NR	NR	NR	NR	NR	0
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	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		5	NR	NR	NR	NR	5
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		7	19	23	73	28	0	150

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **ELIZABETH LEARNING CENTER** **ENVIROSTOR** **S104574627**
Target **4811 ELIZABETH STREET** **SCH** **N/A**
Property **CUDAHY, CA 90201**

Site 1 of 5 in cluster A

Actual:
128 ft.

ENVIROSTOR:

Facility ID:	19820085
Status:	Inactive - Needs Evaluation
Status Date:	11/15/2005
Site Code:	304139
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	1.6
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	63
Senate:	33
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.96337
Longitude:	-118.1819
APN:	NONE SPECIFIED
Past Use:	* EDUCATIONAL SERVICES
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	ELIZABETH LEARNING CENTER
Alias Type:	Alternate Name
Alias Name:	LAUSD-ELIZABETH LEARNING CTR.
Alias Type:	Alternate Name
Alias Name:	LAUSD-ELIZABETH LEARNING CTR/VCA
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	304024
Alias Type:	Project Code (Site Code)
Alias Name:	304139
Alias Type:	Project Code (Site Code)
Alias Name:	19820085
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:	02/04/2000
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported

ELIZABETH LEARNING CENTER (Continued) **S104574627**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	04/22/2003
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	03/20/2000
Comments:	Not reported

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Facility ID:	19820085
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	1.6
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304139
Assembly:	63
Senate:	33
Special Program Status:	Not reported
Status:	Inactive - Needs Evaluation
Status Date:	11/15/2005
Restricted Use:	NO
Funding:	School District
Latitude:	33.96337
Longitude:	-118.1819
APN:	NONE SPECIFIED
Past Use:	* EDUCATIONAL SERVICES
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	ELIZABETH LEARNING CENTER
Alias Type:	Alternate Name
Alias Name:	LAUSD-ELIZABETH LEARNING CTR.
Alias Type:	Alternate Name
Alias Name:	LAUSD-ELIZABETH LEARNING CTR/VCA
Alias Type:	Alternate Name

ELIZABETH LEARNING CENTER (Continued) **S104574627**

Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 304024
Alias Type: Project Code (Site Code)
Alias Name: 304139
Alias Type: Project Code (Site Code)
Alias Name: 19820085
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: 02/04/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/22/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/20/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

A2 **ELIZABETH LEARNING CENTER** **FINDS 1008303638**
Target **4811 ELIZABETH ST** **ECHO N/A**
Property **CUDAHY, CA 90201**

Site 2 of 5 in cluster A

Actual: 128 ft.

FINDS:

Registry ID: 110036985796

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

ELIZABETH LEARNING CENTER (Continued) **1008303638**

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1008303638
Registry ID:	110036985796
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110036985796

A3 **LAUSD/ ELIZABETH ST ELEM** **HAZNET** **S113013485**
Target **4811 ELIZABETH ST** **N/A**
Property **CUDAHY, CA 90201**

Site 3 of 5 in cluster A

Actual: 128 ft.

HAZNET:

envid:	S113013485
Year:	2005
GEPAID:	CAD982045494
Contact:	YI HWA KIM DEPUTY DIRECTOR
Telephone:	2137435086
Mailing Name:	Not reported
Mailing Address:	333 S Beaudry Ave 20th Fl
Mailing City,St,Zip:	Los Angeles, CA 900170000
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Laboratory waste chemicals
Disposal Method:	Not reported
Tons:	0.05
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113013485
Year:	2004
GEPAID:	CAD982045494
Contact:	YI HWA KIM DEPUTY DIRECTOR
Telephone:	2137435086
Mailing Name:	Not reported
Mailing Address:	333 S Beaudry Ave 20th Fl
Mailing City,St,Zip:	Los Angeles, CA 900170000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Tons:	0.01
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

LAUSD/ ELIZABETH ST ELEM (Continued) **S113013485**

envid: S113013485
Year: 2003
GEPAID: CAD982045494
Contact: YI HWA KIM DEPUTY DIRECTOR
Telephone: 2137435086
Mailing Name: Not reported
Mailing Address: 333 S Beaudry Ave 20th Fl
Mailing City,St,Zip: Los Angeles, CA 900170000
Gen County: Not reported
TSD EPA ID: AZC950823111
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Not reported
Tons: 0.75
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113013485
Year: 2002
GEPAID: CAD982045494
Contact: YI HWA KIM DEPUTY DIRECTOR
Telephone: 2137435086
Mailing Name: Not reported
Mailing Address: 333 S Beaudry Ave 20th Fl
Mailing City,St,Zip: Los Angeles, CA 900170000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Not reported
Tons: 0
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113013485
Year: 2001
GEPAID: CAD982045494
Contact: YI HWA KIM DEPUTY DIRECTOR
Telephone: 2137435086
Mailing Name: Not reported
Mailing Address: 333 S Beaudry Ave 20th Fl
Mailing City,St,Zip: Los Angeles, CA 900170000
Gen County: Not reported
TSD EPA ID: WAD991281767
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Land Fill
Tons: 0.15
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

A4 Target Property — **ELIZABETH LEARNING CENTER**, **4811 ELIZABETH ST**, **CUDAHY, CA 90201** — **RCRA-LQG** — **1011488227** / **CAR000193862**

Site 4 of 5 in cluster A

Actual: 128 ft.

RCRA-LQG:

Date form received by agency:	07/17/2008
Facility name:	ELIZABETH LEARNING CENTER
Facility address:	4811 ELIZABETH ST CUDAHY, CA 90201
EPA ID:	CAR000193862
Mailing address:	333 S BEAUDRY AVE LAUSD OEHS 20TH FL LOS ANGELES, CA 90017
Contact:	SOE AUNG
Contact address:	333 S BEAUDRY AVE LAUSD OEHS 20TH FL LOS ANGELES, CA 90017
Contact country:	US
Contact telephone:	213-241-3904
Contact email:	SOE.AUNG@LAUSD.NET
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	ELIZABETH LEARNING CENTER
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	District
Owner/Operator Type:	Operator
Owner/Op start date:	06/17/1988
Owner/Op end date:	Not reported
Owner/operator name:	LOS ANGELES UNIFIED SCHOOL DIST
Owner/operator address:	333 S BEAUDRY AVE LOS ANGELES, CA 90017
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	District
Owner/Operator Type:	Owner
Owner/Op start date:	06/17/1988
Owner/Op end date:	Not reported

Handler Activities Summary:

ELIZABETH LEARNING CENTER (Continued) **1011488227**

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

A5 **LAUSD-ELIZABETH LEARNING CENTER** **HAZNET** **S113178658**
Target **4811 ELIZABETH ST** **N/A**
Property **CUDAHY, CA 90201**

Site 5 of 5 in cluster A

Actual: 128 ft.

HAZNET:

envid:	S113178658
Year:	2011
GEPAID:	CAR000193862
Contact:	SOE AUNG / ECM
Telephone:	2132413199
Mailing Name:	Not reported
Mailing Address:	333 S BEAUDRY AVE FL 27
Mailing City,St,Zip:	LOS ANGELES, CA 900170000
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	1.2
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113178658
Year:	2011
GEPAID:	CAR000193862
Contact:	SOE AUNG / ECM
Telephone:	2132413199
Mailing Name:	Not reported
Mailing Address:	333 S BEAUDRY AVE FL 27
Mailing City,St,Zip:	LOS ANGELES, CA 900170000
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste

LAUSD-ELIZABETH LEARNING CENTER (Continued) **S113178658**

Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	1.2
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles
envid:	S113178658
Year:	2009
GEPAID:	CAR000193862
Contact:	SOE AUNG / ECM
Telephone:	2132413199
Mailing Name:	Not reported
Mailing Address:	333 S BEAUDRY AVE 20TH FLOOR
Mailing City,St,Zip:	LOS ANGELES, CA 900170000
Gen County:	Not reported
TSD EPA ID:	CAD008302903
TSD County:	Not reported
Waste Category:	Contaminated soil from site clean-up
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.15
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles
envid:	S113178658
Year:	2009
GEPAID:	CAR000193862
Contact:	SOE AUNG / ECM
Telephone:	2132413199
Mailing Name:	Not reported
Mailing Address:	333 S BEAUDRY AVE 20TH FLOOR
Mailing City,St,Zip:	LOS ANGELES, CA 900170000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Aqueous solution with metals (< restricted levels and (Alkaline solution (pH >= 12.5) with metals))
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.06255
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles
envid:	S113178658
Year:	2009
GEPAID:	CAR000193862
Contact:	SOE AUNG / ECM
Telephone:	2132413199
Mailing Name:	Not reported
Mailing Address:	333 S BEAUDRY AVE 20TH FLOOR
Mailing City,St,Zip:	LOS ANGELES, CA 900170000
Gen County:	Not reported
TSD EPA ID:	CAD097030993
TSD County:	Not reported

LAUSD-ELIZABETH LEARNING CENTER (Continued) **S113178658**

Waste Category: Contaminated soil from site clean-up
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.35
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

B6 **CUDAHY PLAZA PARCEL 4 - AUTO REPAIR SHOP (FORMER)** **SLIC** **S106387155**
SSW **4600 ELIZABETH** **ENF** **N/A**
< 1/8 **CUDAHY, CA 90201**
0.038 mi.
201 ft. **Site 1 of 5 in cluster B**

Relative:
Lower

Actual:
127 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	02/27/2004
Global Id:	SL2047B1670
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.9628286603774
Longitude:	-118.186006471698
Case Type:	Cleanup Program Site
Case Worker:	GJH
Local Agency:	Not reported
RB Case Number:	0871B
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:

Region:	4
Facility Status:	No further action required
SLIC:	0871B
Substance:	VOCs
Staff:	GJH

ENF:

Region:	4
Facility Id:	216320
Agency Name:	Albert B Glickman & Associate
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.963203
Place Longitude:	-118.186247
SIC Code 1:	Not reported
SIC Desc 1:	Not reported

CUDAHY PLAZA PARCEL 4 - AUTO REPAIR SHOP (FORMER) (Continued) **S106387155**

SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SLIC
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	4SLIC871
Reg Measure Id:	167366
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	230068
Region:	4
Order / Resolution Number:	SEL
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	04/20/2000
Adoption/Issuance Date:	Not reported

CUDAHY PLAZA PARCEL 4 - AUTO REPAIR SHOP (FORMER) (Continued) **S106387155**

Achieve Date:	2000-05-22
Termination Date:	04/20/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4SLIC871
Description:	Notice of Noncompliance sent 4/20/00 for FTS groundwater monitoring well installation workplan.
Program:	SLIC
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

B7 **SOLAROLI MARIO** **EDR Hist Auto** **1021044326**
SSW **7900 S ATLANTIC BLVD** **N/A**
< 1/8 **BELL, CA 90201**
0.047 mi.
249 ft. **Site 2 of 5 in cluster B**

Relative: EDR Hist Auto
Lower

Actual: **126 ft.**

Year:	Name:	Type:
1969	DUSATKO WILLIAM	Gasoline Service Stations
1970	DUSATKO WILLIAM	Gasoline Service Stations
1971	PETZOLD JAMES	Gasoline Service Stations
1972	SOLAROLI MARIO	Gasoline Service Stations
1973	SOLAROLI MARIO	Gasoline Service Stations
1974	SOLAROLI MARIO	Gasoline Service Stations
1975	SOLAROLI MARIO	Gasoline Service Stations
1976	SOLAROLI MARIO	Gasoline Service Stations

B8 **FICKENGER BOB** **EDR Hist Auto** **1021818516**
SW **7830 ATLANTIC BLVD** **N/A**
< 1/8 **BELL, CA 90201**
0.063 mi.
335 ft. **Site 3 of 5 in cluster B**

Relative: EDR Hist Auto
Lower

Actual: **127 ft.**

Year:	Name:	Type:
1971	FICKENGER BOB	Gasoline Service Stations
1972	FICKENGER BOB	Gasoline Service Stations
1973	FICKENGER BOB	Gasoline Service Stations
1974	FICKENGER BOB	Gasoline Service Stations

B9 **ATLANTIC MOVING CENTER** **HIST UST** **U001562569**
SW **7842 ATLANTIC BL** **N/A**
< 1/8 **LOS ANGELES, CA 90201**
0.066 mi.
350 ft. **Site 4 of 5 in cluster B**

Relative:
Lower

Actual:
127 ft.

HIST UST:

File Number:	00028E54
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028E54.pdf
Region:	STATE
Facility ID:	00000003549
Facility Type:	Other
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	2137719339
Owner Name:	U-HAUL CO
Owner Address:	657 S ATLANTIC
Owner City,St,Zip:	EAST LOS ANGELES, CA 90022
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	1970
Tank Capacity:	00009950
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, None
Tank Num:	002
Container Num:	2
Year Installed:	1982
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	10
Leak Detection:	Stock Inventor, None

Click here for Geo Tracker PDF:

B10 **U-HAUL CO #712-022** **LUST** **S102060929**
SW **7842 ATLANTIC AVE** **SWEEPS UST** **N/A**
< 1/8 **CUDAHY, CA 90201** **HIST CORTESE**
0.066 mi. **LOS ANGELES CO. HMS**
350 ft. **Site 5 of 5 in cluster B**

Relative:
Lower

Actual:
127 ft.

LUST:

Region:	STATE
Global Id:	T0603705180
Latitude:	33.9639344
Longitude:	-118.1864494
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/27/1997
Lead Agency:	LOS ANGELES COUNTY
Case Worker:	JOA
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	R-13178
LOC Case Number:	Not reported
File Location:	Not reported

U-HAUL CO #712-022 (Continued) **S102060929**

Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603705180
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603705180
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0603705180
Status: Completed - Case Closed
Status Date: 08/27/1997

Global Id: T0603705180
Status: Open - Case Begin Date
Status Date: 08/27/1997

Regulatory Activities:
Global Id: T0603705180
Action Type: Other
Date: 08/27/1997
Action: Leak Reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-13178
Status: Case Closed
Substance: 1
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603705180
W Global ID: Not reported
Staff: UNK
Local Agency: 19000

U-HAUL CO #712-022 (Continued) **S102060929**

Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		8/27/1997
Date Leak Record Entered:	3/20/1998	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		8/27/1997
Date the Case was Closed:		8/27/1997
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1366.937630205367289399306801 2
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	AMERCO REAL ESTATE/U-HAUL INT.	
RP Address:	2721 N. CENTRAL AVE., STE 700, PHOENIX, CA 85007	
Program:	LUST	
Lat/Long:	33.9638864 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

SWEEPS UST:

Status:	Active
Comp Number:	13178
Number:	9
Board Of Equalization:	44-010083
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013178-000001
Tank Status:	A
Capacity:	Not reported

U-HAUL CO #712-022 (Continued) **S102060929**

Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 4

Status: Active
Comp Number: 13178
Number: 9
Board Of Equalization: 44-010083
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013178-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 13178
Number: 9
Board Of Equalization: 44-010083
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013178-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 13178
Number: 9
Board Of Equalization: 44-010083
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013178-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

U-HAUL CO #712-022 (Continued) **S102060929**

HIST CORTESE:
- Region: CORTESE
- Facility County Code: 19
- Reg By: LTNKA
- Reg Id: R-13178

LOS ANGELES CO. HMS:
- Region: LA
- Permit Category: T
- Facility Id: 012934-013178
- Facility Type: 0
- Facility Status: Removed
- Area: 2Y
- Permit Number: 00004908T
- Permit Status: Removed

C11 **PHOTOMAX ONE HOUR** **RCRA-SQG 1000415984**
SSW **7910 S ATLANTIC BLVD** **FINDS CAD982344681**
< 1/8 **CUDAHY, CA 90201** **ECHO**
0.075 mi.
397 ft. **Site 1 of 7 in cluster C**

Relative:
Lower

Actual:
126 ft.

RCRA-SQG:
- Date form received by agency: 01/13/1988
- Facility name: PHOTOMAX ONE HOUR
- Facility address: 7910 S ATLANTIC BLVD
  CUDAHY, CA 90201
- EPA ID: CAD982344681
- Mailing address: S ATLANTIC BLVD
  CUDAHY, CA 90201
- Contact: ENVIRONMENTAL MANAGER
- Contact address: 7910 S ATLANTIC BLVD
  CUDAHY, CA 90201
- Contact country: US
- Contact telephone: (213) 562-3976
- Contact email: Not reported
- EPA Region: 09
- Classification: Small Small Quantity Generator
- Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
- Owner/operator name: SAMUEL KIM
- Owner/operator address: NOT REQUIRED
  NOT REQUIRED, ME 99999
- Owner/operator country: Not reported
- Owner/operator telephone: (415) 555-1212
- Legal status: Private
- Owner/Operator Type: Owner
- Owner/Op start date: Not reported
- Owner/Op end date: Not reported

- Owner/operator name: NOT REQUIRED

PHOTOMAX ONE HOUR (Continued) **1000415984**

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002797144

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000415984
Registry ID: 110002797144
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002797144

C12
SSW
< 1/8
0.093 mi.
490 ft.

CUDAHY PLAZA PARCEL 2 - DRY CLEANERS (FORMER)
7913 ATLANTIC AVE
CUDAHY, CA 90201

Site 2 of 7 in cluster C

SLIC **S106387154**
N/A

Relative:
Lower

Actual:
126 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	06/30/1999
Global Id:	SL0603727870
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.962515
Longitude:	-118.186259
Case Type:	Cleanup Program Site
Case Worker:	GJH
Local Agency:	Not reported
RB Case Number:	2047B00
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:

Region:	4
Facility Status:	No further action required
SLIC:	0871A
Substance:	VOCs
Staff:	GJH

C13
SSW
< 1/8
0.093 mi.
490 ft.

CUDAHY 1 HOUR MARTINIZING
7913 S ATLANTIC
BELL, CA 90201

Site 3 of 7 in cluster C

EDR Hist Cleaner **1018565085**
N/A

Relative:
Lower

Actual:
126 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1969	CUDAHY 1 HOUR MARTINIZING	Drycleaning Plants, Except Rugs
1970	CUDAHY 1 HOUR MARTINIZING	Drycleaning Plants, Except Rugs
1971	CUDAHY 1 HOUR MARTINIZING	Drycleaning Plants, Except Rugs
1972	CUDAHY PLAZA 1 HOUR DRY CLNG	Drycleaning Plants, Except Rugs
1973	CUDAHY PLAZA 1 HOUR DRY CLNG	Drycleaning Plants, Except Rugs
1974	CUDAHY PLAZA 1 HOUR DRY CLNG	Drycleaning Plants, Except Rugs
1975	CUDAHY PLAZA 1 HOUR DRY CLG	Drycleaning Plants, Except Rugs
1976	CUDAHY PLAZA 1 HOUR DRY CLG	Drycleaning Plants, Except Rugs
1977	CUDAHY PLAZA 1 HOUR DRY CLG	Drycleaning Plants, Except Rugs
1978	CUDAHY PLAZA 1 HOUR DRY CLG	Drycleaning Plants, Except Rugs
1979	CUDAHY PLAZA 1 HOUR DRY CLG	Drycleaning Plants, Except Rugs
1980	CUDAHY PLAZA 1 HOUR DRY CLG	Drycleaning Plants, Except Rugs
1982	CUDAHY PLAZA 1 HOUR DRY CLG	Drycleaning Plants, Except Rugs
1983	CUDAHY PLAZA 1 HOUR DRY CLG	Drycleaning Plants, Except Rugs
1985	CUDAHY PLAZA 1 HOUR DRY CLG	Drycleaning Plants, Except Rugs
1986	CUDAHY PLAZA 1 HOUR DRY CLG	Drycleaning Plants, Except Rugs
1987	CUDAHY PLAZA 1 HOUR DRY CLG	Drycleaning Plants, Except Rugs

CUDAHY 1 HOUR MARTINIZING (Continued) **1018565085**

1988	CUDAHY PLAZA 1 HOUR DRY CLG	Drycleaning Plants, Except Rugs
1989	CUDAHY PLAZA 1 HOUR DRY CLG	Drycleaning Plants, Except Rugs

---

C14 **KMART CORPORATION** **HIST UST** **S113028202**
SSW **8017 S ATLANTIC AVE** **HAZNET** **N/A**
< 1/8 **CUDAHY, CA 90201**
0.096 mi.
505 ft. **Site 4 of 7 in cluster C**

Relative:
Lower

Actual:
126 ft.

HIST UST:

File Number:	000273B7
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000273B7.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

HAZNET:

envid:	S113028202
Year:	2015
GEPAID:	CAL000018665
Contact:	CYNTHIA MILLER
Telephone:	8472860037
Mailing Name:	Not reported
Mailing Address:	3333 BEVERLY RD B5-348A
Mailing City,St,Zip:	HOFFMAN ESTATES, IL 601790000
Gen County:	Los Angeles
TSD EPA ID:	INR000110197
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0055
Cat Decode:	Not reported
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles
envid:	S113028202
Year:	2015

KMART CORPORATION (Continued) **S113028202**

GEPAID:	CAL000018665
Contact:	CYNTHIA MILLER
Telephone:	8472860037
Mailing Name:	Not reported
Mailing Address:	3333 BEVERLY RD B5-348A
Mailing City,St,Zip:	HOFFMAN ESTATES, IL 601790000
Gen County:	Los Angeles
TSD EPA ID:	NVD980895338
TSD County:	99
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.115
Cat Decode:	Off-specification, aged or surplus organics
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

envid:	S113028202
Year:	2015
GEPAID:	CAL000018665
Contact:	CYNTHIA MILLER
Telephone:	8472860037
Mailing Name:	Not reported
Mailing Address:	3333 BEVERLY RD B5-348A
Mailing City,St,Zip:	HOFFMAN ESTATES, IL 601790000
Gen County:	Los Angeles
TSD EPA ID:	NVD980895338
TSD County:	99
Waste Category:	Off-specification, aged or surplus inorganics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0065
Cat Decode:	Off-specification, aged or surplus inorganics
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

envid:	S113028202
Year:	2015
GEPAID:	CAL000018665
Contact:	CYNTHIA MILLER
Telephone:	8472860037
Mailing Name:	Not reported
Mailing Address:	3333 BEVERLY RD B5-348A
Mailing City,St,Zip:	HOFFMAN ESTATES, IL 601790000
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.007
Cat Decode:	Not reported
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

KMART CORPORATION (Continued) **S113028202**

envid: S113028202
Year: 2015
GEPAID: CAL000018665
Contact: CYNTHIA MILLER
Telephone: 8472860037
Mailing Name: Not reported
Mailing Address: 3333 BEVERLY RD B5-348A
Mailing City,St,Zip: HOFFMAN ESTATES, IL 601790000
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.5025
Cat Decode: Off-specification, aged or surplus organics
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
60 additional CA_HAZNET: record(s) in the EDR Site Report.

C15 **K MART NO 3337** **RCRA-SQG** **1000886210**
SSW **8017 S ATLANTIC AVE** **FINDS** **CA0000133488**
< 1/8 **CUDAHY, CA 90201** **ECHO**
0.096 mi.
505 ft. **Site 5 of 7 in cluster C**

Relative:
Lower

Actual:
126 ft.

RCRA-SQG:
Date form received by agency: 02/11/1994
Facility name: K MART NO 3337
Facility address: 8017 S ATLANTIC AVE
CUDAHY, CA 90201
EPA ID: CA0000133488
Mailing address: S ATLANTIC AVE
CUDAHY, CA 90201
Contact: W P WOODHOUSE
Contact address: 8017 S ATLANTIC AVE
CUDAHY, CA 90201
Contact country: US
Contact telephone: (213) 771-9500
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: CUDAHY PLAZA CO
Owner/operator address: 9864 WILSHIRE BLVD
BEVERLY HILLS, CA 90210
Owner/operator country: Not reported
Owner/operator telephone: (213) 771-9500

K MART NO 3337 (Continued) **1000886210**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110055866317

Environmental Interest/Information System
STATE MASTER

Registry ID: 110002613404

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000886210
Registry ID: 110002613404
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002613404

C16 **KMART ENTERPRISES** **HIST UST** **U001562591**
SSW **8017 ATLANTIC AVE** **N/A**
< 1/8 **CUDAHY, CA 90201**
0.096 mi.
505 ft. **Site 6 of 7 in cluster C**

Relative: **Lower**

Actual: **126 ft.**

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000017213
Facility Type:	Other
Other Type:	GARAGE
Contact Name:	Not reported
Telephone:	2137715598
Owner Name:	KMART CORPORATION
Owner Address:	P.O. BOX 3150
Owner City,St,Zip:	TROY, MI 48084
Total Tanks:	0001
Tank Num:	001
Container Num:	3337
Year Installed:	1976
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	3/16
Leak Detection:	Pressure Test

C17 **PENSKE AUTO CENTERS INC** **EDR Hist Auto** **1022151115**
SSW **8017 ATLANTIC AVE** **N/A**
< 1/8 **BELL, CA 90201**
0.096 mi.
505 ft. **Site 7 of 7 in cluster C**

Relative: **Lower**

Actual: **126 ft.**

EDR Hist Auto

Year:	Name:	Type:
1996	PENSKE AUTO CENTERS INC	General Automotive Repair Shops
1997	PENSKE AUTO CENTERS INC	General Automotive Repair Shops
1998	PENSKE AUTO CENTERS INC	General Automotive Repair Shops
1999	PENSKE AUTO CENTERS INC	General Automotive Repair Shops
2000	PENSKE AUTO CENTERS INC	General Automotive Repair Shops
2001	PENSKE AUTO CENTERS INC	General Automotive Repair Shops
2002	PAC I INC	General Automotive Repair Shops

---

18 **CUDAHY AUTO SERVICE** **EDR Hist Auto** **1020333330**
WSW **7815 ATLANTIC** **N/A**
< 1/8 **BELL, CA 90201**
0.107 mi.
563 ft.

Relative: **Lower**

Actual: **127 ft.**

EDR Hist Auto

Year:	Name:	Type:
1969	CUDAHY AUTO SERVICE	General Automotive Repair Shops
1970	CUDAHY AUTO SERVICE	General Automotive Repair Shops
1971	CUDAHY AUTO SERVICE	General Automotive Repair Shops

CUDAHY AUTO SERVICE (Continued) **1020333330**

1972	CUDAHY AUTO SERVICE	General Automotive Repair Shops
1973	CUDAHY AUTO SERVICE	General Automotive Repair Shops
1974	CUDAHY AUTO SERVICE	General Automotive Repair Shops
1975	CUDAHY AUTO SERVICE	General Automotive Repair Shops

---

19 **JONES MOBIL SERVICE** **EDR Hist Auto** **1020246749**
WNW **7656 ATLANTIC AVE** **N/A**
< 1/8 **BELL, CA 90201**
0.123 mi.
647 ft.

Relative: **Higher**

Actual: **130 ft.**

EDR Hist Auto

Year:	Name:	Type:
1969	JONES MOBIL SERVICE	Gasoline Service Stations
1969	JONES MOBIL SERVICE	Gasoline Service Stations
1970	JONES MOBIL SERVICE	Gasoline Service Stations
1971	JONES MOBIL SERVICE	Gasoline Service Stations

D20 **SEARS ROEBUCK** **SWEEPS UST** **S106932006**
West **7801 ATLANTIC BLVD** **N/A**
< 1/8 **CUDAHY, CA**
0.123 mi.
649 ft. **Site 1 of 3 in cluster D**

Relative: **Higher**

Actual: **128 ft.**

SWEEPS UST:

Status:	Active
Comp Number:	11628
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

D21 **SEARS ROEBUCK,CUDAHY CENTRAL S** **HIST UST** **1000369024**
West **7801 ATLANTIC AVE** **N/A**
< 1/8 **CUDAHY, CA 90201**
0.123 mi.
649 ft. **Site 2 of 3 in cluster D**

Relative: **Higher**

Actual: **128 ft.**

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000005455
Facility Type:	Other

SEARS ROEBUCK,CUDAHY CENTRAL S (Continued) **1000369024**

Other Type:	SERVICE REPAIR
Contact Name:	MR. M ROBB
Telephone:	2137734100
Owner Name:	SEARS ROEBUCK&CO
Owner Address:	7801 S. ATLANTIC AVE
Owner City,St,Zip:	CUDAHY, CA 90201
Total Tanks:	0001
Tank Num:	001
Container Num:	1001
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None

D22 **SEARS ROEBUCK CUDAHY CENTRAL S** **HIST UST** **S118415217**
West **7801 S ATLANTIC AVE** **N/A**
< 1/8 **CUDAHY, CA 90201**
0.123 mi.
649 ft. **Site 3 of 3 in cluster D**

Relative:
Higher

Actual:
128 ft.

HIST UST:

File Number:	00028258
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028258.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

E23 **MOBIL** **LUST** **S102433504**
SSW **8029 ATLANTIC AVE S** **HIST CORTESE** **N/A**
1/8-1/4 **CUDAHY, CA 90201**
0.151 mi.
798 ft. **Site 1 of 8 in cluster E**

Relative:
Lower

Actual:
124 ft.

LUST:

Region:	STATE
Global Id:	T0603702885
Latitude:	33.9616805
Longitude:	-118.1860843
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	09/27/1993
Lead Agency:	LOS ANGELES COUNTY
Case Worker:	JOA
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	I-03054
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603702885
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603702885
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603702885
Status:	Completed - Case Closed
Status Date:	09/27/1993

Global Id:	T0603702885
Status:	Open - Case Begin Date
Status Date:	01/19/1993

Regulatory Activities:

Global Id:	T0603702885
Action Type:	Other
Date:	01/19/1993
Action:	Leak Discovery

MOBIL (Continued) **S102433504**

Global Id: T0603702885
Action Type: Other
Date: 02/18/1993
Action: Leak Reported

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-03054	
Status:	Case Closed	
Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		UK
Global ID:	T0603702885	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	1/19/1993	
Date Leak First Reported:		2/18/1993
Date Leak Record Entered:	2/20/1993	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		9/27/1993
Date the Case was Closed:		9/27/1993
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	LEE, BACK MOON	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		579.85453699235658035553026099
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		No
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	PENNY PINCHER LIQUOR STORE	
RP Address:	6430 WEST BLVD., LOS ANGELES, 90043	
Program:	LUST	

MOBIL (Continued) **S102433504**

Lat/Long: 33.9616805 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: OLD CASE #032993-15

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-03054

E24 CHOIS MOBIL **RCRA-SQG 1000262283**
SSW 8029 ATLANTIC **FINDS CAD982047706**
1/8-1/4 CUDAHY, CA 90201 **ECHO**
0.151 mi.
798 ft. **Site 2 of 8 in cluster E**

Relative:
Lower

Actual:
124 ft.

RCRA-SQG:
Date form received by agency: 10/05/1987
Facility name: CHOIS MOBIL
Facility address: 8029 ATLANTIC
CUDAHY, CA 90201
EPA ID: CAD982047706
Mailing address: ATLANTIC
CUDAHY, CA 90201
Contact: ENVIRONMENTAL MANAGER
Contact address: 8029 ATLANTIC
CUDAHY, CA 90201
Contact country: US
Contact telephone: (415) 555-1212
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: CHUNG WOO YUNG
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

CHOIS MOBIL (Continued) **1000262283**

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002787253

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000262283
Registry ID: 110002787253
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002787253

E25 **MOBIL OIL CORP** **SWEEPS UST** **U003059260**
SSW **8029 ATLANTIC AVE** **LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **CUDAHY, CA 90201**
0.151 mi.
798 ft. **Site 3 of 8 in cluster E**

Relative:
Lower

Actual:
124 ft.

SWEEPS UST:
Status: Active
Comp Number: 3054
Number: 9

MOBIL OIL CORP (Continued) **U003059260**

Board Of Equalization: 44-000400
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-003054-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 4

Status: Active
Comp Number: 3054
Number: 9
Board Of Equalization: 44-000400
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-003054-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 3054
Number: 9
Board Of Equalization: 44-000400
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-003054-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 3054
Number: 9
Board Of Equalization: 44-000400
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-003054-000004

MOBIL OIL CORP (Continued) **U003059260**

Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Region: LA
Permit Category: I
Facility Id: 002952-I03054
Facility Type: 01
Facility Status: Removed
Area: 2Y
Permit Number: 000002650
Permit Status: Removed

E26 **B YUEN** **HIST UST** **U001562570**
SSW **8029 ATLANTIC** **N/A**
1/8-1/4 **CUDAHY, CA 90201**
0.151 mi.
798 ft. **Site 4 of 8 in cluster E**

Relative:
Lower

Actual:
124 ft.

HIST UST:
File Number: 00027DBF
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027DBF.pdf
Region: STATE
Facility ID: 00000039955
Facility Type: Gas Station
Other Type: Not reported
Contact Name: SAME
Telephone: 2137735402
Owner Name: MOBIL OIL CORP
Owner Address: 612 S. FLOWER ST.
Owner City,St,Zip: LOS ANGELES, CA 90017
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: 1968
Tank Capacity: 00000280
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 4
Year Installed: 1968
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003

B YUEN (Continued) **U001562570**

Container Num:	3
Year Installed:	1968
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	2
Year Installed:	1968
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

F27 **ATLANTIC MOTORS AUTO** **RCRA NonGen / NLR** **1000153719**
South **8100 ATLANTIC AVE** **FINDS** **CAD982047565**
1/8-1/4 **CUDAHY, CA 90201** **ECHO**
0.174 mi.
920 ft. **Site 1 of 2 in cluster F**

Relative:
Lower

Actual:
123 ft.

RCRA NonGen / NLR:

Date form received by agency:	10/05/1987
Facility name:	ATLANTIC MOTORS AUTO
Facility address:	8100 ATLANTIC AVE CUDAHY, CA 90201
EPA ID:	CAD982047565
Mailing address:	ATLANTIC AVE CUDAHY, CA 90201
Contact:	ENVIRONMENTAL MANAGER
Contact address:	8100 ATLANTIC AVE CUDAHY, CA 90201
Contact country:	US
Contact telephone:	(213) 560-3956
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	BRUCE N PORTER
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999

ATLANTIC MOTORS AUTO (Continued) **1000153719**

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002787164

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000153719
Registry ID: 110002787164
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002787164

F28 **PORTER SUPER SERVICE** **LUST** **U001562603**
South **8100 ATLANTIC AVE** **HAULERS** **N/A**
1/8-1/4 **CUDAHY, CA 90201** **SWEEPS UST**
0.174 mi. **HIST UST**
920 ft. **Site 2 of 2 in cluster F**

Relative:
Lower

Actual:
123 ft.

LUST:
Region: STATE
Global Id: T0603736845
Latitude: 33.9607135182732

PORTER SUPER SERVICE (Continued) **U001562603**

Longitude:	-118.185487572739
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	04/06/2016
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	YL
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	R-11449
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603736845
Contact Type:	Regional Board Caseworker
Contact Name:	ALBERTO GRAJEDA
Organization Name:	LOS ANGELES COUNTY
Address:	900 S. FREMONT AVE.
City:	ALHAMBRA
Email:	algrajeda@dpw.lacounty.gov
Phone Number:	Not reported

Global Id:	T0603736845
Contact Type:	Regional Board Caseworker
Contact Name:	YI LU
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	Not reported
City:	R4 UNKNOWN
Email:	ylu@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603736845
Status:	Completed - Case Closed
Status Date:	04/06/2016

Global Id:	T0603736845
Status:	Open - Case Begin Date
Status Date:	07/12/2006

Global Id:	T0603736845
Status:	Open - Eligible for Closure
Status Date:	07/15/2013

Global Id:	T0603736845
Status:	Open - Eligible for Closure
Status Date:	08/19/2015

Global Id:	T0603736845
Status:	Open - Site Assessment
Status Date:	07/12/2006

PORTER SUPER SERVICE (Continued) **U001562603**

Regulatory Activities:

Global Id:	T0603736845
Action Type:	ENFORCEMENT
Date:	01/03/2013
Action:	Referral to Regional Board - #000732856
Global Id:	T0603736845
Action Type:	ENFORCEMENT
Date:	05/07/2015
Action:	Notification - Public Participation Document
Global Id:	T0603736845
Action Type:	ENFORCEMENT
Date:	03/25/2016
Action:	Email Correspondence
Global Id:	T0603736845
Action Type:	ENFORCEMENT
Date:	04/06/2016
Action:	Closure/No Further Action Letter
Global Id:	T0603736845
Action Type:	RESPONSE
Date:	03/25/2013
Action:	Other Report / Document
Global Id:	T0603736845
Action Type:	ENFORCEMENT
Date:	02/25/2013
Action:	Staff Letter
Global Id:	T0603736845
Action Type:	Other
Date:	07/12/2006
Action:	Leak Reported
Global Id:	T0603736845
Action Type:	ENFORCEMENT
Date:	08/19/2015
Action:	State Water Board Closure Order
Global Id:	T0603736845
Action Type:	Other
Date:	07/12/2006
Action:	Leak Discovery
Global Id:	T0603736845
Action Type:	REMEDIATION
Date:	07/12/2006
Action:	Not reported

HAULERS:

Facility ID:	1079404
Facility Phone:	(323) 771-7155
Business Email Address:	Not reported

PORTER SUPER SERVICE (Continued) **U001562603**

Contact Person: Orlando Castro, Maricela Flores, Cecillio Castro
Mailing Address: 8100 Atlantic Ave
Mailing City: Cudahy
Mailing State: CA
Mailing Zip: 90201-5804
Mailing County: Los Angeles
Mailing Phone: (323) 771-7155
Waste Tire Permit Summary: No Permit record for this business.

SWEEPS UST:
Status: Active
Comp Number: 11449
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
File Number: 00027DA4
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027DA4.pdf
Region: STATE
Facility ID: 00000060994
Facility Type: Other
Other Type: Not reported
Contact Name: BRUCE N. PORTER
Telephone: 2135603956
Owner Name: PORTER SUPER SERVICE
Owner Address: 8100 ATLANTIC AVE.
Owner City,St,Zip: CUDAHY, CA 90201
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: REGULAR

PORTER SUPER SERVICE (Continued) **U001562603**

Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00006500
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

E29 **STATION 022** **LUST** **S101296029**
SSW **8111 ATLANTIC BLVD** **HIST UST** **N/A**
1/8-1/4 **CUDAHY, CA 90201** **HIST CORTESE**
0.188 mi.
990 ft. **Site 5 of 8 in cluster E**

Relative:
Lower

Actual:
123 ft.

LUST:
Region: STATE
Global Id: T0603704111
Latitude: 33.9607185
Longitude: -118.1858202
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/12/2012
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JW
Local Agency: LOS ANGELES COUNTY
RB Case Number: R-27072
LOC Case Number: 13478-27072
File Location: Regional Board
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603704111
Contact Type: Regional Board Caseworker
Contact Name: JIMMIE WOO
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: jwoo@waterboards.ca.gov
Phone Number: 2135766600

STATION 022 (Continued) **S101296029**

Global Id: T0603704111
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Status History:
Global Id: T0603704111
Status: Completed - Case Closed
Status Date: 01/12/2012

Global Id: T0603704111
Status: Open - Case Begin Date
Status Date: 05/16/1991

Global Id: T0603704111
Status: Open - Site Assessment
Status Date: 11/26/1991

Global Id: T0603704111
Status: Open - Site Assessment
Status Date: 01/28/2008

Regulatory Activities:
Global Id: T0603704111
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603704111
Action Type: ENFORCEMENT
Date: 09/16/2008
Action: Notice to Comply

Global Id: T0603704111
Action Type: RESPONSE
Date: 10/28/2005
Action: Other Report / Document

Global Id: T0603704111
Action Type: RESPONSE
Date: 05/19/2006
Action: Soil and Water Investigation Workplan

Global Id: T0603704111
Action Type: ENFORCEMENT
Date: 09/08/2005
Action: Staff Letter

Global Id: T0603704111
Action Type: Other
Date: 05/16/1991
Action: Leak Discovery

STATION 022 (Continued) **S101296029**

Global Id: T0603704111
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603704111
Action Type: Other
Date: 05/16/1991
Action: Leak Stopped

Global Id: T0603704111
Action Type: Other
Date: 11/26/1991
Action: Leak Reported

Global Id: T0603704111
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603704111
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603704111
Action Type: RESPONSE
Date: 04/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603704111
Action Type: RESPONSE
Date: 12/10/2012
Action: Well Destruction Report

Global Id: T0603704111
Action Type: ENFORCEMENT
Date: 02/16/2006
Action: Staff Letter

Global Id: T0603704111
Action Type: ENFORCEMENT
Date: 12/12/2011
Action: Notification - Preclosure

Global Id: T0603704111
Action Type: ENFORCEMENT
Date: 01/12/2012
Action: Closure/No Further Action Letter

Global Id: T0603704111
Action Type: ENFORCEMENT
Date: 03/28/2008
Action: Staff Letter

Global Id: T0603704111
Action Type: RESPONSE

STATION 022 (Continued) **S101296029**

Date: 07/15/2008
Action: Well Installation Report

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-13847	
Status:	Preliminary site assessment underway	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704111	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	SANTA ANA	
Enforcement Type:	Not reported	
Date Leak Discovered:	5/16/1991	
Date Leak First Reported:		11/26/1991
Date Leak Record Entered:	12/22/1991	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	5/16/1991	
Date Case Last Changed on Database:		4/14/1993
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	BOYER, KEITH	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		305.27547653957963384770076671
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		11/26/1991
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CAL TARGET ENT.	
RP Address:	12739 LAKEWOOD BLVD., DOWNEY, 90242	
Program:	LUST	
Lat/Long:	33.9607185 / -1	
Local Agency Staff:	Not reported	

STATION 022 (Continued) **S101296029**

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: OLD CASE #010292-12

HIST UST:
File Number: 000269CB
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000269CB.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-13847

E30 **IMPERIAL PARK INC** **UST** **U004049549**
SSW **8111 ATLANTIC AVE** **N/A**
1/8-1/4 **CUDAHY, CA 90201**
0.188 mi.
990 ft. **Site 6 of 8 in cluster E**

Relative:
Lower

Actual:
123 ft.

UST:
Facility ID: 27072
Permitting Agency: LOS ANGELES COUNTY
Latitude: 33.9618922
Longitude: -118.1846472

Facility ID: LACoFA0003748
Permitting Agency: Los Angeles County Fire Department
Latitude: 33.96056
Longitude: -118.18598

E31
SSW
1/8-1/4
0.188 mi.
990 ft.

STATION 022
8111 ATLANTIC AVE
CUDAHY, CA 90201

Site 7 of 8 in cluster E

HIST UST **U001562610**
N/A

Relative:
Lower

Actual:
123 ft.

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000005233
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	2139275339
Owner Name:	CALIFORNIA TARGET ENTERPRISES,
Owner Address:	12739 LAKEWOOD BLVD.
Owner City,St,Zip:	DOWNEY, CA 90242
Total Tanks:	0004
Tank Num:	001
Container Num:	222
Year Installed:	Not reported
Tank Capacity:	00005000
Tank Used for:	WASTE
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	223
Year Installed:	Not reported
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	224
Year Installed:	Not reported
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	221
Year Installed:	Not reported
Tank Capacity:	00020000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

E32 **CALIFORNIA TARGET ENT #022** **SWEEPS UST** **S106669548**
SSW **8111 ATLANTIC AVE** **HAZNET** **N/A**
1/8-1/4 **CUDAHY, CA 90201** **LOS ANGELES CO. HMS**
0.188 mi.
990 ft. **Site 8 of 8 in cluster E**

Relative:
Lower

Actual:
123 ft.

SWEEPS UST:

Status:	Active
Comp Number:	13847
Number:	9
Board Of Equalization:	44-010258
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013847-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	4

Status:	Active
Comp Number:	13847
Number:	9
Board Of Equalization:	44-010258
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013847-000002
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	13847
Number:	9
Board Of Equalization:	44-010258
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013847-000003
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Status: Active

CALIFORNIA TARGET ENT #022 (Continued) **S106669548**

Comp Number: 13847
Number: 9
Board Of Equalization: 44-010258
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013847-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HAZNET:
envid: S106669548
Year: 2015
GEPAID: CAL000287521
Contact: ANTHONY CHAU
Telephone: 3237712551
Mailing Name: Not reported
Mailing Address: 8111 S ATLANTIC AVE
Mailing City,St,Zip: CUDAHY, CA 902010000
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 2.1
Cat Decode: Aqueous solution with total organic residues less than 10 percent
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: Los Angeles

LOS ANGELES CO. HMS:
Region: LA
Permit Category: T
Facility Id: 013478-013847
Facility Type: 0
Facility Status: Closed
Area: 2Y
Permit Number: 00005469T
Permit Status: Closed

G33 **M & S ENTERPRISES** **LUST** **S102432832**
East **5001 CLARA ST E** **ENF** **N/A**
1/8-1/4 **CUDAHY, CA 90201** **HIST CORTESE**
0.198 mi. **LOS ANGELES CO. HMS**
1048 ft. **Site 1 of 4 in cluster G**

Relative:
Lower

Actual:
124 ft.

LUST:

Region:	STATE
Global Id:	T0603702940
Latitude:	33.9647963
Longitude:	-118.1785161
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	02/14/2012
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	AT
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	I-03812
LOC Case Number:	Not reported
File Location:	Regional Board
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603702940
Contact Type:	Regional Board Caseworker
Contact Name:	ARMAN TOUMARI
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	atoumari@waterboards.ca.gov
Phone Number:	2135766708

Global Id:	T0603702940
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Status History:

Global Id:	T0603702940
Status:	Completed - Case Closed
Status Date:	02/14/2012

Global Id:	T0603702940
Status:	Open - Case Begin Date
Status Date:	09/21/1987

Global Id:	T0603702940
Status:	Open - Remediation
Status Date:	03/15/2006

Global Id:	T0603702940

M & S ENTERPRISES (Continued) **S102432832**

Status: Open - Remediation
Status Date: 01/16/2007

Global Id: T0603702940
Status: Open - Remediation
Status Date: 04/12/2007

Global Id: T0603702940
Status: Open - Site Assessment
Status Date: 12/05/1995

Global Id: T0603702940
Status: Open - Site Assessment
Status Date: 10/27/2005

Global Id: T0603702940
Status: Open - Site Assessment
Status Date: 03/15/2006

Regulatory Activities:
Global Id: T0603702940
Action Type: ENFORCEMENT
Date: 10/31/2007
Action: Staff Letter

Global Id: T0603702940
Action Type: ENFORCEMENT
Date: 02/14/2012
Action: Closure/No Further Action Letter

Global Id: T0603702940
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603702940
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603702940
Action Type: RESPONSE
Date: 04/21/2011
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0603702940
Action Type: RESPONSE
Date: 04/15/2010
Action: Conceptual Site Model

Global Id: T0603702940
Action Type: ENFORCEMENT
Date: 01/18/2007
Action: Staff Letter

Global Id: T0603702940
Action Type: ENFORCEMENT

M & S ENTERPRISES (Continued) **S102432832**

Date: 06/15/2009
Action: Staff Letter

Global Id: T0603702940
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603702940
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603702940
Action Type: RESPONSE
Date: 01/15/2008
Action: Conceptual Site Model

Global Id: T0603702940
Action Type: RESPONSE
Date: 01/15/2008
Action: Remedial Progress Report

Global Id: T0603702940
Action Type: RESPONSE
Date: 01/15/2008
Action: Electronic Reporting Submittal Due

Global Id: T0603702940
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603702940
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603702940
Action Type: RESPONSE
Date: 04/15/2011
Action: Conceptual Site Model

Global Id: T0603702940
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603702940
Action Type: RESPONSE
Date: 10/15/2010
Action: Conceptual Site Model

Global Id: T0603702940
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

M & S ENTERPRISES (Continued) **S102432832**

Global Id: T0603702940
Action Type: RESPONSE
Date: 07/15/2005
Action: Interim Remedial Action Plan

Global Id: T0603702940
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603702940
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603702940
Action Type: RESPONSE
Date: 04/15/2007
Action: Remedial Progress Report

Global Id: T0603702940
Action Type: RESPONSE
Date: 04/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603702940
Action Type: ENFORCEMENT
Date: 07/19/2002
Action: Staff Letter

Global Id: T0603702940
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603702940
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603702940
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603702940
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603702940
Action Type: RESPONSE
Date: 07/15/2010
Action: Conceptual Site Model

Global Id: T0603702940
Action Type: RESPONSE

M & S ENTERPRISES (Continued) **S102432832**

Date: 01/15/2006
Action: Soil and Water Investigation Workplan

Global Id: T0603702940
Action Type: RESPONSE
Date: 01/15/2006
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603702940
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603702940
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603702940
Action Type: ENFORCEMENT
Date: 08/14/2000
Action: Staff Letter

Global Id: T0603702940
Action Type: RESPONSE
Date: 04/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603702940
Action Type: ENFORCEMENT
Date: 03/29/2005
Action: Staff Letter

Global Id: T0603702940
Action Type: ENFORCEMENT
Date: 10/27/2005
Action: Staff Letter

Global Id: T0603702940
Action Type: Other
Date: 09/21/1987
Action: Leak Discovery

Global Id: T0603702940
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603702940
Action Type: Other
Date: 02/26/1990
Action: Leak Reported

Global Id: T0603702940
Action Type: RESPONSE
Date: 07/15/2009
Action: Remedial Progress Report

M & S ENTERPRISES (Continued) **S102432832**

Global Id: T0603702940
Action Type: RESPONSE
Date: 10/15/2009
Action: Conceptual Site Model

Global Id: T0603702940
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603702940
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603702940
Action Type: RESPONSE
Date: 01/15/2011
Action: Conceptual Site Model

Global Id: T0603702940
Action Type: RESPONSE
Date: 04/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603702940
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603702940
Action Type: RESPONSE
Date: 07/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603702940
Action Type: RESPONSE
Date: 08/16/2002
Action: Other Report / Document

Global Id: T0603702940
Action Type: RESPONSE
Date: 04/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0603702940
Action Type: ENFORCEMENT
Date: 09/23/2003
Action: 13267 Requirement

Global Id: T0603702940
Action Type: RESPONSE
Date: 01/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603702940
Action Type: RESPONSE

M & S ENTERPRISES (Continued) **S102432832**

Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603702940
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603702940
Action Type: RESPONSE
Date: 07/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603702940
Action Type: REMEDIATION
Date: 05/01/2007
Action: Soil Vapor Extraction (SVE)

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-03812
Status: Pollution Characterization
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603702940
W Global ID: Not reported
Staff: AT
Local Agency: 19000
Cross Street: WILCOX AVE
Enforcement Type: DLLET
Date Leak Discovered: 9/21/1987
Date Leak First Reported: 2/26/1990
Date Leak Record Entered: 2/19/1990
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 7/1/2002
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Tank
Operator: STILLMAN, DOUGLAS
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 1607.841492587206516282161020 2
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 12/5/1995
Pollution Characterization Began: 8/14/2000
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported

M & S ENTERPRISES (Continued) **S102432832**

Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	6/23/2003
Hist Max MTBE Conc in Groundwater:	146
Hist Max MTBE Conc in Soil:	.02
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	=
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	MS. ANGELA BONGIOVANNI
RP Address:	2543 CANYON DR.
Program:	LUST
Lat/Long:	33.9647963 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	RECEIVED LETTER DATED 1/12/98 STATING THAT RP HAD APPLIED STATE UST CLEANUP FUND. STATE BOARD HAS NOT APPROVED THE APPLICATION.; 11/7/00 REVISED HEALTH & SAFETY PLAN & PROPOSAL FOR ABANDONMENT & REINS; 4/17/01 1ST QTR

ENF:

Region:	4
Facility Id:	238919
Agency Name:	M & S Enterprises
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Not reported
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.964706
Place Longitude:	-118.178472
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported

M & S ENTERPRISES (Continued) **S102432832**

Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	I-03812
Reg Measure Id:	168105
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	230169
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	05/05/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	2000-06-23
Termination Date:	05/05/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Notice of Violation sent 5/5/00 for overdue SAP. - I-03812
Description:	Notice of Violation sent 5/5/00 for overdue SAP.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	4

M & S ENTERPRISES (Continued) **S102432832**

Facility Id:	238919
Agency Name:	M & S Enterprises
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Not reported
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.964706
Place Longitude:	-118.178472
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	I-03812
Reg Measure Id:	168105
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported

M & S ENTERPRISES (Continued) **S102432832**

WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	230168
Region:	4
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	09/24/1997
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	09/24/1997
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - I-03812
Description:	Level 1 enforcement letter sent 9/24/97 for overdue SAP.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-03812

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	T
Facility Id:	003687-058793
Facility Type:	0
Facility Status:	Permit
Area:	2Y
Permit Number:	000777313
Permit Status:	Permit

G34 **DEEP KB ENTERPRISE, CIRCLE K** **UST** **U003778212**
East **5001 CLARA ST** **N/A**
1/8-1/4 **CUDAHY, CA 90201**
0.198 mi.
1048 ft. **Site 2 of 4 in cluster G**

Relative:
Lower

Actual:
124 ft.

UST:

Facility ID:	31648
Permitting Agency:	LOS ANGELES COUNTY
Latitude:	33.966349
Longitude:	-118.176834

DEEP KB ENTERPRISE, CIRCLE K (Continued) **U003778212**

Facility ID: LACoFA0007558
Permitting Agency: Los Angeles County Fire Department
Latitude: 33.965
Longitude: -118.17818

G35 **BC FOOD MARKET** **LUST** **U001562592**
East **5001 CLARA ST** **HIST UST** **N/A**
1/8-1/4 **CUDAHY, CA 90201**
0.198 mi.
1048 ft. **Site 3 of 4 in cluster G**

Relative:
Lower

Actual:
124 ft.

LUST:
Region: STATE
Global Id: T10000007271
Latitude: 33.96515
Longitude: -118.17818
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 09/08/2015
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: MB
Local Agency: Not reported
RB Case Number: I-03812A
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T10000007271
Contact Type: Regional Board Caseworker
Contact Name: MAGDY BAIADY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: mbaiady@waterboards.ca.gov
Phone Number: 2135766699

Status History:
Global Id: T10000007271
Status: Open - Case Begin Date
Status Date: 08/03/2015

Global Id: T10000007271
Status: Open - Inactive
Status Date: 08/03/2015

Global Id: T10000007271
Status: Open - Site Assessment
Status Date: 09/08/2015

Regulatory Activities:
Global Id: T10000007271
Action Type: Other

BC FOOD MARKET (Continued) **U001562592**

Date: 08/03/2015
Action: Leak Discovery

Global Id: T10000007271
Action Type: RESPONSE
Date: 10/08/2015
Action: Other Report / Document

Global Id: T10000007271
Action Type: Other
Date: 08/03/2015
Action: Leak Began

Global Id: T10000007271
Action Type: ENFORCEMENT
Date: 09/08/2015
Action: Staff Letter

Global Id: T10000007271
Action Type: ENFORCEMENT
Date: 08/03/2015
Action: Referral to Regional Board

Global Id: T10000007271
Action Type: Other
Date: 08/03/2015
Action: Leak Reported

HIST UST:
File Number: 0002796A
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002796A.pdf
Region: STATE
Facility ID: 00000055889
Facility Type: Gas Station
Other Type: Not reported
Contact Name: Not reported
Telephone: 2137717659
Owner Name: M & S ENTERPRISES
Owner Address: 5001 CLARA ST.
Owner City,St,Zip: CUDAHY, CA 90201
Total Tanks: 0006

Tank Num: 001
Container Num: 101
Year Installed: 1977
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 102
Year Installed: 1977
Tank Capacity: 00010000
Tank Used for: PRODUCT

BC FOOD MARKET (Continued) **U001562592**

Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	103
Year Installed:	1977
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	81
Year Installed:	Not reported
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	005
Container Num:	82
Year Installed:	Not reported
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	006
Container Num:	83
Year Installed:	Not reported
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

G36 **C&H GENERAL AUTO REPAIR** **SWEEPS UST** **S102059961**
East **5001 CLARA ST** **LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **CUDAHY, CA 90201**
0.198 mi.
1048 ft. **Site 4 of 4 in cluster G**

Relative:
Lower

Actual:
124 ft.

SWEEPS UST:

Status:	Active
Comp Number:	3812
Number:	9
Board Of Equalization:	44-007768
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-003812-000001

C&H GENERAL AUTO REPAIR (Continued) **S102059961**

Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 3

Status: Active
Comp Number: 3812
Number: 9
Board Of Equalization: 44-007768
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-003812-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 3812
Number: 9
Board Of Equalization: 44-007768
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-003812-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Region: LA
Permit Category: Not reported
Facility Id: 003687-047236
Facility Type: Not reported
Facility Status: OPEN
Area: 2Y
Permit Number: Not reported
Permit Status: Not reported

Region: LA
Permit Category: I
Facility Id: 003687-046125
Facility Type: 01
Facility Status: Closed

C&H GENERAL AUTO REPAIR (Continued) **S102059961**

Area: 2Y
Permit Number: 000466967
Permit Status: Closed

37
SSW
1/8-1/4
0.222 mi.
1173 ft.

AAA PAPERSTOCK **SWEEPS UST** **S106922353**
4610 SANTA ANITA ST **N/A**
CUDAHY, CA

Relative:
Lower

Actual:
123 ft.

SWEEPS UST:
Status: Active
Comp Number: 13479
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

H38
South
1/8-1/4
0.237 mi.
1252 ft.

WESTERN DIESEL ELECTRIC **RCRA-SQG** **1000403082**
8135 ATLANTIC AVE **FINDS** **CAD981683857**
CUDAHY, CA 90201 **ECHO**
HAZNET
Site 1 of 2 in cluster H **LOS ANGELES CO. HMS**

Relative:
Lower

Actual:
121 ft.

RCRA-SQG:
Date form received by agency: 10/17/1986
Facility name: WESTERN DIESEL ELECTRIC
Facility address: 8135 ATLANTIC AVE
CUDAHY, CA 90201
EPA ID: CAD981683857
Mailing address: ATLANTIC AVE
CUDAHY, CA 90201
Contact: ENVIRONMENTAL MANAGER
Contact address: 8135 ATLANTIC AVE
CUDAHY, CA 90201
Contact country: US
Contact telephone: (213) 771-4300
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

WESTERN DIESEL ELECTRIC (Continued) **1000403082**

Owner/Operator Summary:
Owner/operator name: TOM POWELL
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002751317

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

WESTERN DIESEL ELECTRIC (Continued) **1000403082**

ECHO:
Envid: 1000403082
Registry ID: 110002751317
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002751317

HAZNET:
envid: 1000403082
Year: 1999
GEPAID: CAD981683857
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 8135 ATLANTIC AVE
Mailing City,St,Zip: CUDAHY, CA 902010000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: .9382
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000403082
Year: 1998
GEPAID: CAD981683857
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 8135 ATLANTIC AVE
Mailing City,St,Zip: CUDAHY, CA 902010000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: .6672
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

LOS ANGELES CO. HMS:
Region: LA
Permit Category: Not reported
Facility Id: 009091-I08093
Facility Type: Not reported
Facility Status: OPEN
Area: 2Y
Permit Number: Not reported
Permit Status: Not reported

39
ENE
1/4-1/2
0.265 mi.
1400 ft.

PARK AVENUE PRIMARY CENTER
7326 SOUTH WILCOX AVENUE
CUDAHY, CA 90201

ENVIROSTOR
SCH

S107737011
N/A

Relative:
Lower

Actual:
126 ft.

ENVIROSTOR:

Facility ID:	19590014
Status:	No Further Action
Status Date:	03/09/2000
Site Code:	300763
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	13
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	63
Senate:	33
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.96722
Longitude:	-118.1716
APN:	NONE SPECIFIED
Past Use:	* RETIAL - MISC.
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NMA
Alias Name:	BELL #3 NEW PRIMARY CENTER
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	PARK AVENUE PRIMARY CENTER
Alias Type:	Alternate Name
Alias Name:	PARK AVENUE PRIMARY CENTER
Alias Type:	Alternate Name
Alias Name:	WILCOX MARKET
Alias Type:	Alternate Name
Alias Name:	300763
Alias Type:	Project Code (Site Code)
Alias Name:	19590014
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	03/09/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported

PARK AVENUE PRIMARY CENTER (Continued) **S107737011**

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:

Facility ID:	19590014
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	13
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:	300763
Assembly:	63
Senate:	33
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	03/09/2000
Restricted Use:	NO
Funding:	School District
Latitude:	33.96722
Longitude:	-118.1716
APN:	NONE SPECIFIED
Past Use:	* RETIAL - MISC.
Potential COC:	NONE SPECIFIED, No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NMA
Alias Name:	BELL #3 NEW PRIMARY CENTER
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	PARK AVENUE PRIMARY CENTER
Alias Type:	Alternate Name
Alias Name:	PARK AVENUE PRIMARY CENTER
Alias Type:	Alternate Name
Alias Name:	WILCOX MARKET
Alias Type:	Alternate Name
Alias Name:	300763
Alias Type:	Project Code (Site Code)
Alias Name:	19590014
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

PARK AVENUE PRIMARY CENTER (Continued) **S107737011**

Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	03/09/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

H40 **GRANDE VISTA STEEL AND METAL CO.** **LUST** **S108997054**
South **8201 SOUTH ATLANTIC** **N/A**
1/4-1/2 **CUDAHY, CA 90201**
0.271 mi.
1430 ft. **Site 2 of 2 in cluster H**

Relative:
Lower

Actual:
120 ft.

LUST:

Region:	STATE
Global Id:	T0603795770
Latitude:	33.95948
Longitude:	-118.185833
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	04/07/2008
Lead Agency:	LOS ANGELES COUNTY
Case Worker:	PGT
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	Not reported
LOC Case Number:	031826-050079
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Xylene
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603795770
Contact Type:	Local Agency Caseworker
Contact Name:	PHILLIP GHARIBIANS-TABRIZI
Organization Name:	LOS ANGELES COUNTY
Address:	900 S. FREMONT AVE.
City:	ALHAMBRA
Email:	pgharibians@dpw.lacounty.gov
Phone Number:	Not reported
Global Id:	T0603795770
Contact Type:	Regional Board Caseworker

GRANDE VISTA STEEL AND METAL CO. (Continued) **S108997054**

Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0603795770
Status: Completed - Case Closed
Status Date: 04/07/2008

Global Id: T0603795770
Status: Open - Case Begin Date
Status Date: 09/05/2007

Global Id: T0603795770
Status: Open - Site Assessment
Status Date: 04/06/2008

Regulatory Activities:
Global Id: T0603795770
Action Type: ENFORCEMENT
Date: 04/07/2008
Action: Closure/No Further Action Letter

Global Id: T0603795770
Action Type: Other
Date: 11/14/2007
Action: Leak Reported

Global Id: T0603795770
Action Type: Other
Date: 09/05/2007
Action: Leak Discovery

41
NNW
1/4-1/2
0.279 mi.
1475 ft.

Relative:
Higher

Actual:
132 ft.

LAUR METALS CO **SWRCY** **S102060760**
7300 ATLANTIC AVE **LOS ANGELES CO. HMS** **N/A**
CUDAHY, CA 90201

SWRCY:
Reg Id: 25108
Cert Id: RC12104
Mailing Address: P O Box 226907
Mailing City: Los Angeles
Mailing State: CA
Mailing Zip Code: 90022
Website: Not reported
Email: joshlaor@hotmail.com
Phone Number: (213) 240-5054
Grand Father: N
Rural: N
Operation Begin Date: 03/06/2004
Aluminium: Y

LAUR METALS CO (Continued) **S102060760**

Glass:	Y
Plastic:	Y
Bimetal:	Y
Agency:	N/A
Monday Hours Of Operation:	10:00 am - 4:00 pm
Tuesday Hours Of Operation:	10:00 am - 4:00 pm
Wednesday Hours Of Operation:	CLOSED
Thursday Hours Of Operation:	10:00 am - 4:00 pm
Friday Hours Of Operation:	10:00 am - 4:00 pm
Saturday Hours Of Operation:	10:00 am - 4:00 pm
Sunday Hours Of Operation:	10:00 am - 4:00 pm
Organization ID:	19291
Organization Name:	Laur Metals Co

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	I
Facility Id:	017096-022943
Facility Type:	01
Facility Status:	Permit
Area:	2Y
Permit Number:	000144354
Permit Status:	Removed

Region:	LA
Permit Category:	I
Facility Id:	017096-022943
Facility Type:	01
Facility Status:	Permit
Area:	2Y
Permit Number:	000147417
Permit Status:	Permit

I42 **SYSTEM DISPOSAL SERVICE COMPAN** **WMUDS/SWAT** **S104156372**
SSE **4841 EAST CECLIA STREET** **N/A**
1/4-1/2 **CUDAHY, CA**
0.299 mi.
1578 ft. **Site 1 of 2 in cluster I**

Relative:
Lower

Actual:
119 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	SYSTEM DISPOSAL SERVICE COMPAN
Agency Department:	Not reported

SYSTEM DISPOSAL SERVICE COMPAN (Continued) **S104156372**

Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	SYSTEM DISPOSAL SERVICE COMPANY
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	LT
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190376NUR
Solid Waste Information ID:	Not reported

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43 **ALFA MIRRORS INC.** **LUST** **S100272173**
SSE **4935 CECILIA ST** **HIST CORTESE** **N/A**
1/4-1/2 **CUDAHY, CA 90201**
0.306 mi.
1618 ft.

Relative:
Lower

Actual:
119 ft.

LUST:

Region:	STATE
Global Id:	T0603704356
Latitude:	33.9580283
Longitude:	-118.1803904
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	04/06/1992
Lead Agency:	LOS ANGELES COUNTY
Case Worker:	JOA
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	I-15837
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

ALFA MIRRORS INC. (Continued) **S100272173**

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603704356
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603704356
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603704356
Status:	Completed - Case Closed
Status Date:	04/06/1992

Global Id:	T0603704356
Status:	Open - Case Begin Date
Status Date:	10/30/1990

Global Id:	T0603704356
Status:	Open - Site Assessment
Status Date:	12/30/1991

Regulatory Activities:

Global Id:	T0603704356
Action Type:	Other
Date:	10/30/1990
Action:	Leak Discovery

Global Id:	T0603704356
Action Type:	Other
Date:	10/30/1990
Action:	Leak Stopped

Global Id:	T0603704356
Action Type:	Other
Date:	11/27/1990
Action:	Leak Reported

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles

ALFA MIRRORS INC. (Continued) **S100272173**

Facility Id:	I-15837	
Status:	Case Closed	
Substance:	Diesel	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704356	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	WILCOX AVE	
Enforcement Type:	Informal Enforcement Actions,including Notices of Violations and Staff Enforcement Letters	
Date Leak Discovered:	10/30/1990	
Date Leak First Reported:		11/27/1990
Date Leak Record Entered:	1/17/1991	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	10/30/1990	
Date Case Last Changed on Database:		4/6/1992
Date the Case was Closed:		4/6/1992
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	CLARK, ROBERT	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1065.31596345210326604356939 94
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		12/30/1991
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		1/1/1965
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CUDAHY PROPERTIES	
RP Address:	3008 S SAN PEDRO ST, LOS ANGELES, CA 90011	
Program:	LUST	
Lat/Long:	33.9581035 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	OLD CASE #011791-04	

ALFA MIRRORS INC. (Continued) **S100272173**

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-15837

I44 **PIAZZA TRUCKING INC** **RCRA-SQG 1000400215**
SSE **4841 CECILIA ST** **LUST CAD067740316**
1/4-1/2 **CUDAHY, CA 90201** **HIST UST**
0.307 mi. **FINDS**
1620 ft. **Site 2 of 2 in cluster I** **ECHO**
EMI
Relative: **HIST CORTESE**
Lower **LOS ANGELES CO. HMS**

Actual: **119 ft.**

RCRA-SQG:
Date form received by agency: 07/10/1991
Facility name: PIAZZA TRUCKING INC
Facility address: 4841 CECILIA ST
CUDAHY, CA 90201
EPA ID: CAD067740316
Mailing address: 4841 CECELIA ST
CUDAHY, CA 90201
Contact: PIAZZA BILLY
Contact address: 4841 CECILIA ST
CUDAHY, CA 90201
Contact country: US
Contact telephone: (213) 560-5522
Contact email: Not reported
EPA Region: 09
Land type: Other land type
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: BILL PIAZZA SR
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported

PIAZZA TRUCKING INC (Continued) **1000400215**

Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 04/30/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/30/1985
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

LUST:
Region: STATE
Global Id: T0603702902
Latitude: 33.9583145
Longitude: -118.1823921
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/22/1992
Lead Agency: LOS ANGELES COUNTY
Case Worker: JOA
Local Agency: LOS ANGELES COUNTY
RB Case Number: I-03296
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603702902
Contact Type: Local Agency Caseworker

PIAZZA TRUCKING INC (Continued) **1000400215**

Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603702902
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0603702902
Status: Completed - Case Closed
Status Date: 09/22/1992

Global Id: T0603702902
Status: Open - Case Begin Date
Status Date: 07/27/1990

Regulatory Activities:
Global Id: T0603702902
Action Type: Other
Date: 07/27/1990
Action: Leak Discovery

Global Id: T0603702902
Action Type: Other
Date: 07/27/1990
Action: Leak Stopped

Global Id: T0603702902
Action Type: Other
Date: 08/20/1990
Action: Leak Reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-03296
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603702902
W Global ID: Not reported
Staff: UNK

PIAZZA TRUCKING INC (Continued) **1000400215**

Local Agency:	19000	
Cross Street:	ATLANTIC AVE.	
Enforcement Type:	Not reported	
Date Leak Discovered:	7/27/1990	
Date Leak First Reported:		8/20/1990
Date Leak Record Entered:	9/13/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	7/27/1990	
Date Case Last Changed on Database:		9/22/1992
Date the Case was Closed:		9/22/1992
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	BEAVER, JIM	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1420.594232475302906797885 4803
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	SYSTEM DISPOSAL SERVICE, INC.	
RP Address:	678 003TH AVE., #307, CHULA VISTA, 92010	
Program:	LUST	
Lat/Long:	33.9583145 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

HIST UST:

File Number:	00028204
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028204.pdf
Region:	STATE
Facility ID:	00000003178
Facility Type:	Other
Other Type:	REFUSE REMOVAL
Contact Name:	Not reported
Telephone:	2135834657
Owner Name:	SCA SERVICES, INC.
Owner Address:	60 STATE STREET

PIAZZA TRUCKING INC (Continued) **1000400215**

Owner City,St,Zip: BOSTON, MA 02109
Total Tanks: 0000

Tank Num: 001
Container Num: 1 ONE
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2 TWO
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 3 THREE
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 4 FOUR
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: Not reported
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

FINDS:

Registry ID: 110002655369

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

PIAZZA TRUCKING INC (Continued) **1000400215**

ECHO:
Envid: 1000400215
Registry ID: 110002655369
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002655369

EMI:
Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 2576
Air District Name: SC
SIC Code: 7629
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 59761
Air District Name: SC
SIC Code: 4953
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-03296

LOS ANGELES CO. HMS:
Region: LA
Permit Category: I
Facility Id: 003182-I03296
Facility Type: 01
Facility Status: Closed
Area: 2Y
Permit Number: 000001375
Permit Status: Closed

45
South
1/4-1/2
0.337 mi.
1779 ft.

CUDAHY BUILDING MATERIALS
8331 ATLANTIC AVE
CUDAHY, CA 90201

LUST
HIST CORTESE
LOS ANGELES CO. HMS

S101296026
N/A

Relative:
Lower

Actual:
118 ft.

LUST:

Region:	STATE
Global Id:	T0603704371
Latitude:	33.9581928
Longitude:	-118.1849387
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	11/25/1992
Lead Agency:	LOS ANGELES COUNTY
Case Worker:	JOA
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	I-15953
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603704371
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603704371
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603704371
Status:	Completed - Case Closed
Status Date:	11/25/1992

Global Id:	T0603704371
Status:	Open - Case Begin Date
Status Date:	12/12/1990

Global Id:	T0603704371
Status:	Open - Site Assessment
Status Date:	01/02/1991

Global Id:	T0603704371

CUDAHY BUILDING MATERIALS (Continued) **S101296026**

Status: Open - Site Assessment
Status Date: 02/25/1992

Regulatory Activities:
Global Id: T0603704371
Action Type: Other
Date: 12/12/1990
Action: Leak Discovery

Global Id: T0603704371
Action Type: Other
Date: 12/12/1990
Action: Leak Stopped

Global Id: T0603704371
Action Type: Other
Date: 01/28/1991
Action: Leak Reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-15953
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704371
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: CECELIA ST
Enforcement Type: Informal Enforcement Actions,including Notices of Violations and Staff Enforcement Letters
Date Leak Discovered: 12/12/1990
Date Leak First Reported: 1/28/1991
Date Leak Record Entered: 2/8/1991
Date Confirmation Began: Not reported
Date Leak Stopped: 12/12/1990
Date Case Last Changed on Database: 9/30/1993
Date the Case was Closed: 11/25/1992
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: GUTTO, MARK
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 838.54746752857531087023548 56
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 1/2/1991
Pollution Characterization Began: 2/25/1992

CUDAHY BUILDING MATERIALS (Continued) **S101296026**

Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: 1/1/1965
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CUDAHY BUILDING MATERIALS
RP Address: 8331 ATLANTIC AVE., CUDAHY, CA 90201
Program: LUST
Lat/Long: 33.9582695 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: OLD CASE #020891-21

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-15953

LOS ANGELES CO. HMS:
Region: LA
Permit Category: Not reported
Facility Id: 015042-015953
Facility Type: Not reported
Facility Status: Removed
Area: 2Y
Permit Number: Not reported
Permit Status: Not reported

46
NW
1/4-1/2
0.339 mi.
1792 ft.

OKEH CATERERS **LUST** **S106175935**
7301 ATLANTIC AVE. **N/A**
CUDAHY, CA 90201

Relative:
Higher

Actual:
133 ft.

LUST:
Region: STATE
Global Id: T0603717337
Latitude: 33.969045
Longitude: -118.188531
Case Type: LUST Cleanup Site
Status: Open - Verification Monitoring
Status Date: 05/23/2016
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: AT
Local Agency: LOS ANGELES COUNTY

OKEH CATERERS (Continued) **S106175935**

RB Case Number: R-03600
LOC Case Number: 003481-003600
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603717337
Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

Global Id: T0603717337
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Status History:
Global Id: T0603717337
Status: Open - Assessment & Interim Remedial Action
Status Date: 02/26/2009

Global Id: T0603717337
Status: Open - Case Begin Date
Status Date: 07/31/2003

Global Id: T0603717337
Status: Open - Remediation
Status Date: 11/01/2010

Global Id: T0603717337
Status: Open - Site Assessment
Status Date: 11/25/2003

Global Id: T0603717337
Status: Open - Site Assessment
Status Date: 12/15/2004

Global Id: T0603717337
Status: Open - Site Assessment
Status Date: 04/26/2005

Global Id: T0603717337
Status: Open - Site Assessment
Status Date: 01/07/2010

OKEH CATERERS (Continued) **S106175935**

Global Id: T0603717337
Status: Open - Verification Monitoring
Status Date: 05/23/2016

Regulatory Activities:
Global Id: T0603717337
Action Type: RESPONSE
Date: 01/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603717337
Action Type: RESPONSE
Date: 10/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603717337
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603717337
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603717337
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603717337
Action Type: RESPONSE
Date: 04/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0603717337
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0603717337
Action Type: RESPONSE
Date: 12/15/2004
Action: Interim Remedial Action Plan

Global Id: T0603717337
Action Type: RESPONSE
Date: 07/15/2014
Action: Conceptual Site Model

Global Id: T0603717337
Action Type: ENFORCEMENT
Date: 09/24/2009
Action: Staff Letter

Global Id: T0603717337
Action Type: RESPONSE

OKEH CATERERS (Continued) **S106175935**

Date: 04/15/2009
Action: Conceptual Site Model

Global Id: T0603717337
Action Type: RESPONSE
Date: 12/15/2004
Action: Soil and Water Investigation Workplan

Global Id: T0603717337
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0603717337
Action Type: RESPONSE
Date: 07/15/2015
Action: Conceptual Site Model

Global Id: T0603717337
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603717337
Action Type: RESPONSE
Date: 04/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603717337
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603717337
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603717337
Action Type: ENFORCEMENT
Date: 09/21/2010
Action: Notice to Comply

Global Id: T0603717337
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603717337
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603717337
Action Type: RESPONSE
Date: 07/29/2008
Action: Well Destruction Report

OKEH CATERERS (Continued) **S106175935**

Global Id: T0603717337
Action Type: RESPONSE
Date: 04/15/2009
Action: Interim Remedial Action Plan

Global Id: T0603717337
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603717337
Action Type: RESPONSE
Date: 03/19/2009
Action: Well Destruction Report

Global Id: T0603717337
Action Type: ENFORCEMENT
Date: 01/07/2010
Action: Staff Letter

Global Id: T0603717337
Action Type: ENFORCEMENT
Date: 03/09/2017
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0603717337
Action Type: RESPONSE
Date: 02/14/2008
Action: Soil and Water Investigation Workplan

Global Id: T0603717337
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603717337
Action Type: RESPONSE
Date: 01/15/2012
Action: Conceptual Site Model

Global Id: T0603717337
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603717337
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603717337
Action Type: RESPONSE
Date: 01/15/2017
Action: Conceptual Site Model

Global Id: T0603717337
Action Type: ENFORCEMENT

OKEH CATERERS (Continued) **S106175935**

Date: 02/26/2009
Action: Staff Letter

Global Id: T0603717337
Action Type: ENFORCEMENT
Date: 02/24/2004
Action: 13267 Requirement

Global Id: T0603717337
Action Type: RESPONSE
Date: 07/15/2012
Action: Conceptual Site Model

Global Id: T0603717337
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603717337
Action Type: ENFORCEMENT
Date: 04/26/2005
Action: Staff Letter

Global Id: T0603717337
Action Type: RESPONSE
Date: 01/15/2010
Action: Conceptual Site Model

Global Id: T0603717337
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603717337
Action Type: RESPONSE
Date: 01/15/2007
Action: Conceptual Site Model

Global Id: T0603717337
Action Type: RESPONSE
Date: 10/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603717337
Action Type: RESPONSE
Date: 01/15/2013
Action: Conceptual Site Model

Global Id: T0603717337
Action Type: RESPONSE
Date: 01/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603717337
Action Type: RESPONSE
Date: 07/15/2016
Action: Conceptual Site Model

OKEH CATERERS (Continued) **S106175935**

Global Id: T0603717337
Action Type: ENFORCEMENT
Date: 01/11/2005
Action: Staff Letter

Global Id: T0603717337
Action Type: ENFORCEMENT
Date: 10/05/2009
Action: Waste Discharge Requirements

Global Id: T0603717337
Action Type: RESPONSE
Date: 07/15/2013
Action: Conceptual Site Model

Global Id: T0603717337
Action Type: Other
Date: 10/03/2003
Action: Leak Reported

Global Id: T0603717337
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603717337
Action Type: RESPONSE
Date: 03/05/2008
Action: Well Destruction Report

Global Id: T0603717337
Action Type: RESPONSE
Date: 01/15/2014
Action: Conceptual Site Model

Global Id: T0603717337
Action Type: ENFORCEMENT
Date: 11/25/2003
Action: Staff Letter

Global Id: T0603717337
Action Type: Other
Date: 07/31/2003
Action: Leak Discovery

Global Id: T0603717337
Action Type: RESPONSE
Date: 04/15/2005
Action: Well Installation Report

Global Id: T0603717337
Action Type: RESPONSE
Date: 04/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603717337
Action Type: RESPONSE

OKEH CATERERS (Continued) **S106175935**

Date: 07/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603717337
Action Type: RESPONSE
Date: 01/15/2004
Action: Other Report / Document

Global Id: T0603717337
Action Type: RESPONSE
Date: 04/15/2015
Action: Conceptual Site Model

Global Id: T0603717337
Action Type: REMEDIATION
Date: 04/04/2008
Action: Excavation

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-03600
Status: Leak being confirmed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: 003481-003600
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603717337
W Global ID: Not reported
Staff: AT
Local Agency: 19000
Cross Street: FLORENCE AND ATLANTIC
Enforcement Type: DLLET
Date Leak Discovered: 7/31/2003
Date Leak First Reported: 10/3/2003
Date Leak Record Entered: Not reported
Date Confirmation Began: 11/25/2003
Date Leak Stopped: Not reported
Date Case Last Changed on Database: Not reported
Date the Case was Closed: Not reported
How Leak Discovered: Subsurface Monitoring
How Leak Stopped: Other Means
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): Not reported
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported

OKEH CATERERS (Continued) **S106175935**

Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	JOHN G. SISKOWIC
RP Address:	7221 S. ATLANTIC AVE.
Program:	LUST
Lat/Long:	0 / 0
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

J47 **ARCO #3043** **LUST** **S101296027**
NNW **7200 ATLANTIC AVE S** **HIST CORTESE** **N/A**
1/4-1/2 **CUDAHY, CA 90201**
0.365 mi.
1926 ft. **Site 1 of 2 in cluster J**

Relative:
Higher

Actual:
134 ft.

LUST:

Region:	STATE
Global Id:	T0603702713
Latitude:	33.970006987
Longitude:	-118.1877745
Case Type:	LUST Cleanup Site
Status:	Open - Remediation
Status Date:	08/28/2008
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	JW
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	I-00474
LOC Case Number:	Not reported
File Location:	Regional Board
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603702713
Contact Type:	Regional Board Caseworker
Contact Name:	JIMMIE WOO
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	jwoo@waterboards.ca.gov
Phone Number:	2135766600

ARCO #3043 (Continued) **S101296027**

Global Id: T0603702713
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Status History:
Global Id: T0603702713
Status: Open - Case Begin Date
Status Date: 04/26/1991

Global Id: T0603702713
Status: Open - Remediation
Status Date: 03/15/2001

Global Id: T0603702713
Status: Open - Remediation
Status Date: 09/25/2001

Global Id: T0603702713
Status: Open - Remediation
Status Date: 03/20/2003

Global Id: T0603702713
Status: Open - Remediation
Status Date: 07/31/2003

Global Id: T0603702713
Status: Open - Remediation
Status Date: 10/15/2003

Global Id: T0603702713
Status: Open - Remediation
Status Date: 08/28/2008

Global Id: T0603702713
Status: Open - Site Assessment
Status Date: 03/31/1993

Global Id: T0603702713
Status: Open - Site Assessment
Status Date: 02/02/1998

Global Id: T0603702713
Status: Open - Site Assessment
Status Date: 02/01/2000

Global Id: T0603702713
Status: Open - Site Assessment
Status Date: 01/26/2005

Regulatory Activities:
Global Id: T0603702713

ARCO #3043 (Continued) **S101296027**

Action Type: ENFORCEMENT
Date: 07/31/2003
Action: Staff Letter

Global Id: T0603702713
Action Type: RESPONSE
Date: 10/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2011
Action: Conceptual Site Model

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: RESPONSE
Date: 07/15/2008
Action: Other Report / Document

Global Id: T0603702713
Action Type: RESPONSE
Date: 04/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2015
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: RESPONSE
Date: 07/15/2014
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: ENFORCEMENT
Date: 09/02/2008

ARCO #3043 (Continued) **S101296027**

Action: Staff Letter

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603702713
Action Type: RESPONSE
Date: 10/30/2009
Action: Conceptual Site Model

Global Id: T0603702713
Action Type: RESPONSE
Date: 07/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 07/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: RESPONSE
Date: 07/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 10/15/2008
Action: Remedial Progress Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2016
Action: Monitoring Report - Semi-Annually

Global Id: T0603702713
Action Type: ENFORCEMENT
Date: 10/27/2009
Action: Staff Letter

Global Id: T0603702713
Action Type: RESPONSE
Date: 12/15/2001
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603702713
Action Type: RESPONSE
Date: 10/15/2003
Action: Remedial Progress Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

ARCO #3043 (Continued) **S101296027**

Global Id: T0603702713
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 10/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: RESPONSE
Date: 04/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2010
Action: Conceptual Site Model

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2010
Action: Interim Remedial Action Plan

Global Id: T0603702713
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603702713
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: ENFORCEMENT
Date: 04/30/2002
Action: Site Visit / Inspection / Sampling

Global Id: T0603702713
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603702713
Action Type: ENFORCEMENT
Date: 06/30/2016
Action: Staff Letter

Global Id: T0603702713
Action Type: RESPONSE

ARCO #3043 (Continued) **S101296027**

Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: RESPONSE
Date: 04/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603702713
Action Type: RESPONSE
Date: 04/15/2009
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0603702713
Action Type: RESPONSE
Date: 04/15/2009
Action: Conceptual Site Model

Global Id: T0603702713
Action Type: Other
Date: 12/11/1991
Action: Leak Discovery

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 10/15/2005
Action: Well Installation Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2005
Action: Soil and Water Investigation Workplan

ARCO #3043 (Continued) **S101296027**

Global Id: T0603702713
Action Type: RESPONSE
Date: 10/15/2011
Action: Conceptual Site Model

Global Id: T0603702713
Action Type: RESPONSE
Date: 07/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603702713
Action Type: RESPONSE
Date: 07/15/2016
Action: Monitoring Report - Semi-Annually

Global Id: T0603702713
Action Type: RESPONSE
Date: 08/11/2016
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0603702713
Action Type: ENFORCEMENT
Date: 02/27/2009
Action: Staff Letter

Global Id: T0603702713
Action Type: ENFORCEMENT
Date: 07/15/2011
Action: Staff Letter

Global Id: T0603702713
Action Type: RESPONSE
Date: 07/15/2009
Action: Conceptual Site Model

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2009
Action: Conceptual Site Model

Global Id: T0603702713
Action Type: RESPONSE
Date: 10/15/2002
Action: Other Report / Document

Global Id: T0603702713
Action Type: RESPONSE
Date: 04/15/2008
Action: Other Report / Document

Global Id: T0603702713
Action Type: RESPONSE
Date: 06/13/2008
Action: Interim Remedial Action Plan

Global Id: T0603702713
Action Type: RESPONSE

ARCO #3043 (Continued) **S101296027**

Date: 10/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: RESPONSE
Date: 07/15/2012
Action: Conceptual Site Model

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2017
Action: Monitoring Report - Semi-Annually

Global Id: T0603702713
Action Type: ENFORCEMENT
Date: 02/27/2009
Action: Staff Letter

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603702713
Action Type: Other
Date: 04/26/1991
Action: Leak Reported

Global Id: T0603702713
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603702713
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: RESPONSE
Date: 04/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

ARCO #3043 (Continued) **S101296027**

Global Id: T0603702713
Action Type: RESPONSE
Date: 07/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 07/15/2010
Action: Conceptual Site Model

Global Id: T0603702713
Action Type: RESPONSE
Date: 04/15/2011
Action: Conceptual Site Model

Global Id: T0603702713
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603702713
Action Type: RESPONSE
Date: 10/15/2012
Action: Conceptual Site Model

Global Id: T0603702713
Action Type: ENFORCEMENT
Date: 09/28/2004
Action: Staff Letter

Global Id: T0603702713
Action Type: ENFORCEMENT
Date: 09/25/2001
Action: 13267 Requirement

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: RESPONSE
Date: 07/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: RESPONSE
Date: 10/15/2002
Action: Soil and Water Investigation Report

Global Id: T0603702713
Action Type: RESPONSE

ARCO #3043 (Continued) **S101296027**

Date:	10/15/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0603702713
Action Type:	RESPONSE
Date:	04/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603702713
Action Type:	RESPONSE
Date:	04/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603702713
Action Type:	RESPONSE
Date:	04/15/2005
Action:	Soil and Water Investigation Report
Global Id:	T0603702713
Action Type:	RESPONSE
Date:	07/15/2011
Action:	Conceptual Site Model
Global Id:	T0603702713
Action Type:	RESPONSE
Date:	07/15/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603702713
Action Type:	RESPONSE
Date:	01/15/2013
Action:	Conceptual Site Model
Global Id:	T0603702713
Action Type:	RESPONSE
Date:	01/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603702713
Action Type:	RESPONSE
Date:	07/15/2013
Action:	Monitoring Report - Quarterly
Global Id:	T0603702713
Action Type:	RESPONSE
Date:	10/15/2013
Action:	Monitoring Report - Quarterly
Global Id:	T0603702713
Action Type:	RESPONSE
Date:	04/15/2013
Action:	Conceptual Site Model
Global Id:	T0603702713
Action Type:	RESPONSE
Date:	07/15/2013
Action:	Conceptual Site Model

ARCO #3043 (Continued) **S101296027**

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2012
Action: Conceptual Site Model

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603702713
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2014
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: ENFORCEMENT
Date: 05/31/2005
Action: Staff Letter

Global Id: T0603702713
Action Type: ENFORCEMENT
Date: 04/03/2008
Action: Staff Letter

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2008
Action: Soil and Water Investigation Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: RESPONSE

ARCO #3043 (Continued) **S101296027**

Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 10/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 01/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 07/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603702713
Action Type: RESPONSE
Date: 04/15/2014
Action: Monitoring Report - Quarterly

Global Id: T0603702713
Action Type: REMEDIATION
Date: 10/02/1998
Action: Soil Vapor Extraction (SVE)

Global Id: T0603702713
Action Type: REMEDIATION
Date: 05/23/1996
Action: Free Product Removal

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-00474
Status: Remedial action (cleanup) Underway
Substance: Gasoline
Substance Quantity: Not reported

ARCO #3043 (Continued) **S101296027**

Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		AS VE
Global ID:	T0603702713	
W Global ID:	Not reported	
Staff:	JW	
Local Agency:	19000	
Cross Street:	FLORENCE	
Enforcement Type:	DLSEL	
Date Leak Discovered:	12/11/1991	
Date Leak First Reported:		4/26/1991
Date Leak Record Entered:	7/12/1992	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		7/12/2002
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		221.184733167672264717037505 36
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		3/31/1993
Preliminary Site Assessment Began:		2/2/1998
Pollution Characterization Began:		2/1/2000
Remediation Plan Submitted:		3/20/2003
Remedial Action Underway:		10/15/2003
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		9/25/2001
Historical Max MTBE Date:		4/23/2003
Hist Max MTBE Conc in Groundwater:		300000
Hist Max MTBE Conc in Soil:		53
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	=	
Soil Qualifier:	=	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	RAY VOSE	
RP Address:	4 CENTER POINTE DR.	
Program:	LUST	
Lat/Long:	33.97000699 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	1/31/00 AMENDMENT TO REMEDIAL ACTION PLAN; 7/14/00 2ND QTR GW MON RPT 2000; 10/13/00 3RD QTR GW MON RPT 2000; 4/13/01 1ST QTR GW MON RPT 2001	

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19

ARCO #3043 (Continued) **S101296027**

Reg By: LTNKA
Reg Id: I-00474

K48 **TOSCO - 76 STATION #3574** **LUST** **S105693835**
NE **4965 FLORENCE AVE E** **N/A**
1/4-1/2 **BELL, CA 90201**
0.381 mi.
2010 ft. **Site 1 of 5 in cluster K**

Relative:
Higher

Actual:
128 ft.

LUST:

Region:	STATE
Global Id:	T0603703710
Latitude:	33.9693822
Longitude:	-118.1785621
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/03/2015
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	MB
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	I-11003
LOC Case Number:	Not reported
File Location:	Regional Board
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603703710
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603703710
Contact Type:	Regional Board Caseworker
Contact Name:	MAGDY BAIADY
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	LOS ANGELES
Email:	mbaiady@waterboards.ca.gov
Phone Number:	2135766699

Status History:

Global Id:	T0603703710
Status:	Completed - Case Closed
Status Date:	07/03/2015

Global Id:	T0603703710
Status:	Open - Case Begin Date
Status Date:	11/07/1988

Global Id:	T0603703710

TOSCO - 76 STATION #3574 (Continued) **S105693835**

Status: Open - Eligible for Closure
Status Date: 06/20/2014

Global Id: T0603703710
Status: Open - Remediation
Status Date: 11/08/2006

Global Id: T0603703710
Status: Open - Remediation
Status Date: 05/02/2008

Global Id: T0603703710
Status: Open - Site Assessment
Status Date: 01/11/2002

Global Id: T0603703710
Status: Open - Site Assessment
Status Date: 01/24/2006

Regulatory Activities:
Global Id: T0603703710
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603703710
Action Type: RESPONSE
Date: 04/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 07/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603703710
Action Type: RESPONSE
Date: 01/15/2010
Action: Conceptual Site Model

Global Id: T0603703710
Action Type: RESPONSE
Date: 10/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603703710
Action Type: RESPONSE
Date: 07/15/2011
Action: Sensitive Receptor Survey Report

Global Id: T0603703710
Action Type: RESPONSE

TOSCO - 76 STATION #3574 (Continued) **S105693835**

Date: 07/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603703710
Action Type: RESPONSE
Date: 05/08/2014
Action: Site Assessment Report

Global Id: T0603703710
Action Type: Other
Date: 11/07/1988
Action: Leak Discovery

Global Id: T0603703710
Action Type: RESPONSE
Date: 01/15/2009
Action: Conceptual Site Model

Global Id: T0603703710
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603703710
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603703710
Action Type: RESPONSE
Date: 07/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603703710
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603703710
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603703710
Action Type: RESPONSE
Date: 04/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603703710
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Semi-Annually

TOSCO - 76 STATION #3574 (Continued) **S105693835**

Global Id:	T0603703710
Action Type:	RESPONSE
Date:	10/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603703710
Action Type:	RESPONSE
Date:	10/15/2010
Action:	Conceptual Site Model
Global Id:	T0603703710
Action Type:	ENFORCEMENT
Date:	10/13/2014
Action:	Notification - Preclosure
Global Id:	T0603703710
Action Type:	RESPONSE
Date:	12/08/2003
Action:	Soil and Water Investigation Report
Global Id:	T0603703710
Action Type:	RESPONSE
Date:	04/15/2004
Action:	Soil and Water Investigation Report
Global Id:	T0603703710
Action Type:	RESPONSE
Date:	07/12/2007
Action:	Sensitive Receptor Survey Report
Global Id:	T0603703710
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603703710
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Soil and Water Investigation Report
Global Id:	T0603703710
Action Type:	RESPONSE
Date:	01/24/2006
Action:	Interim Remedial Action Plan
Global Id:	T0603703710
Action Type:	RESPONSE
Date:	01/15/2008
Action:	Well Installation Report
Global Id:	T0603703710
Action Type:	RESPONSE
Date:	04/15/2008
Action:	Soil and Water Investigation Report
Global Id:	T0603703710
Action Type:	RESPONSE

TOSCO - 76 STATION #3574 (Continued) **S105693835**

Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603703710
Action Type: ENFORCEMENT
Date: 05/02/2008
Action: Staff Letter

Global Id: T0603703710
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603703710
Action Type: RESPONSE
Date: 07/15/2009
Action: Conceptual Site Model

Global Id: T0603703710
Action Type: RESPONSE
Date: 07/01/2009
Action: Corrective Action Plan / Remedial Action Plan - Addendum

Global Id: T0603703710
Action Type: RESPONSE
Date: 04/15/2009
Action: Conceptual Site Model

Global Id: T0603703710
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603703710
Action Type: RESPONSE
Date: 01/15/2011
Action: Conceptual Site Model

Global Id: T0603703710
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603703710
Action Type: RESPONSE
Date: 09/17/2008
Action: Well Installation Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 10/15/2008
Action: Remedial Progress Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 01/15/2005
Action: Soil and Water Investigation Report

TOSCO - 76 STATION #3574 (Continued) **S105693835**

Global Id:	T0603703710
Action Type:	RESPONSE
Date:	04/15/2010
Action:	Conceptual Site Model
Global Id:	T0603703710
Action Type:	RESPONSE
Date:	01/15/2004
Action:	Soil and Water Investigation Report
Global Id:	T0603703710
Action Type:	RESPONSE
Date:	07/15/2004
Action:	Soil and Water Investigation Report
Global Id:	T0603703710
Action Type:	RESPONSE
Date:	01/15/2003
Action:	Soil and Water Investigation Report
Global Id:	T0603703710
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Soil and Water Investigation Report
Global Id:	T0603703710
Action Type:	RESPONSE
Date:	01/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603703710
Action Type:	RESPONSE
Date:	01/15/2006
Action:	Soil and Water Investigation Workplan
Global Id:	T0603703710
Action Type:	ENFORCEMENT
Date:	07/03/2015
Action:	Closure/No Further Action Letter
Global Id:	T0603703710
Action Type:	RESPONSE
Date:	07/15/2008
Action:	NPDES / WDR Reports
Global Id:	T0603703710
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603703710
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Remedial Progress Report
Global Id:	T0603703710
Action Type:	RESPONSE

TOSCO - 76 STATION #3574 (Continued) **S105693835**

Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603703710
Action Type: RESPONSE
Date: 10/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 01/15/2008
Action: Soil and Water Investigation Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 07/15/2012
Action: Remedial Progress Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603703710
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603703710
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603703710
Action Type: Other
Date: 11/07/1988
Action: Leak Reported

Global Id: T0603703710
Action Type: RESPONSE
Date: 07/15/2010
Action: Conceptual Site Model

Global Id: T0603703710
Action Type: RESPONSE
Date: 10/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603703710
Action Type: RESPONSE
Date: 10/15/2009
Action: Conceptual Site Model

Global Id: T0603703710
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

TOSCO - 76 STATION #3574 (Continued) **S105693835**

Global Id: T0603703710
Action Type: RESPONSE
Date: 01/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603703710
Action Type: RESPONSE
Date: 04/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 04/15/2011
Action: Conceptual Site Model

Global Id: T0603703710
Action Type: ENFORCEMENT
Date: 03/16/2004
Action: Site Visit / Inspection / Sampling

Global Id: T0603703710
Action Type: ENFORCEMENT
Date: 07/06/2009
Action: Waste Discharge Requirements

Global Id: T0603703710
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603703710
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603703710
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603703710
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603703710
Action Type: RESPONSE

TOSCO - 76 STATION #3574 (Continued) **S105693835**

Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603703710
Action Type: RESPONSE
Date: 01/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 10/15/2002
Action: Soil and Water Investigation Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 04/15/2002
Action: Soil and Water Investigation Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 07/15/2002
Action: Soil and Water Investigation Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 04/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 01/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603703710
Action Type: RESPONSE
Date: 10/15/2012
Action: Remedial Progress Report - Regulator Responded

Global Id: T0603703710
Action Type: RESPONSE
Date: 03/15/2013
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603703710
Action Type: RESPONSE
Date: 12/09/2011
Action: Soil and Water Investigation Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603703710
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Semi-Annually

TOSCO - 76 STATION #3574 (Continued) **S105693835**

Global Id: T0603703710
Action Type: ENFORCEMENT
Date: 01/27/2003
Action: 13267 Requirement

Global Id: T0603703710
Action Type: ENFORCEMENT
Date: 03/06/2006
Action: Staff Letter

Global Id: T0603703710
Action Type: ENFORCEMENT
Date: 05/14/2008
Action: Waste Discharge Requirements

Global Id: T0603703710
Action Type: RESPONSE
Date: 07/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 10/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 06/15/2004
Action: Well Installation Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 04/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603703710
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603703710
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603703710
Action Type: RESPONSE
Date: 01/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603703710
Action Type: REMEDIATION

TOSCO - 76 STATION #3574 (Continued) **S105693835**

Date: 01/01/1995
Action: Excavation

Global Id: T0603703710
Action Type: REMEDIATION
Date: 01/03/1988
Action: Free Product Removal

Global Id: T0603703710
Action Type: REMEDIATION
Date: 09/01/2008
Action: Soil Vapor Extraction (SVE)

Global Id: T0603703710
Action Type: REMEDIATION
Date: 01/01/1995
Action: Excavation

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-11003
Status: Remedial action (cleanup) Underway
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: FPED
Global ID: T0603703710
W Global ID: Not reported
Staff: MB
Local Agency: 19000
Cross Street: WILCOX AVE
Enforcement Type: SI
Date Leak Discovered: 11/7/1988
Date Leak First Reported: 11/7/1988
Date Leak Record Entered: Not reported
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 7/24/2002
Date the Case was Closed: Not reported
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: Other Source
Operator: LUZZI, JERRY
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 1507.814044682762341928521 7514
Source of Cleanup Funding: Other Source
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 1/11/2002
Remediation Plan Submitted: 1/11/2002
Remedial Action Underway: 4/4/2003

TOSCO - 76 STATION #3574 (Continued) **S105693835**

Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	10/9/2002
Hist Max MTBE Conc in Groundwater:	600000
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Yes
GW Qualifier:	=
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	ROSS WILLIAMS
RP Address:	911 S. PRIMROSE AVE., SUITE K
Program:	LUST
Lat/Long:	33.9693822 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	LEAK MAY HAVE BEEN RELATED TO RECENT TANK/LINE TESTING.; 6/29/00 2ND QTR GW MON RPT 2000; 10/11/00 3RD QTR GW RPT 2000; 12/5/00 ADDEN. TO SUBSURFACE INVESTIGATION RPT; 2/5/01 4TH QTR GW MON RPT 2000

K49 **UNOCAL STATION #3574** **ENF** **S102590649**
NE **4965 FLORENCE** **HIST CORTESE** **N/A**
1/4-1/2 **BELL, CA 90201**
0.381 mi.
2010 ft. **Site 2 of 5 in cluster K**

Relative:
Higher

Actual:
128 ft.

ENF:

Region:	4
Facility Id:	269293
Agency Name:	Tosco 76 Products Team
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.969313
Place Longitude:	-118.178503
SIC Code 1:	5541
SIC Desc 1:	Gasoline Service Stations
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported

UNOCAL STATION #3574 (Continued) **S102590649**

Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	I-11003
Reg Measure Id:	168670
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	229511
Region:	4
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	10/19/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	10/19/1999
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - I-11003
Description:	Level 1 enforcement letter sent 10/19/99 for FTS groundwater monitoring report.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0

UNOCAL STATION #3574 (Continued) **S102590649**

Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	4
Facility Id:	269293
Agency Name:	Tosco 76 Products Team
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.969313
Place Longitude:	-118.178503
SIC Code 1:	5541
SIC Desc 1:	Gasoline Service Stations
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	I-11003
Reg Measure Id:	168670
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported

UNOCAL STATION #3574 (Continued) **S102590649**

WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	229510
Region:	4
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	08/10/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	08/10/1999
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - I-11003
Description:	Staff phoned discharger 8/10/99 for FTS groundwater monitoring well installation report.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-11003

K50 **CHEVRON #9-1686** **LUST** **S104234376**
NE **5001 FLORENCE AVE E** **N/A**
1/4-1/2 **BELL, CA 90201**
0.397 mi.
2096 ft. **Site 3 of 5 in cluster K**

Relative:
Higher

Actual:
128 ft.

LUST:

Region:	STATE
Global Id:	T0603703520
Latitude:	33.9692419
Longitude:	-118.1777544
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/16/1992
Lead Agency:	LOS ANGELES COUNTY
Case Worker:	JOA

CHEVRON #9-1686 (Continued) **S104234376**

Local Agency: LOS ANGELES COUNTY
RB Case Number: I-09910
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603703520
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603703520
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0603703520
Status: Completed - Case Closed
Status Date: 06/16/1992

Global Id: T0603703520
Status: Open - Case Begin Date
Status Date: 10/31/1989

Global Id: T0603703520
Status: Open - Site Assessment
Status Date: 05/06/1992

Regulatory Activities:
Global Id: T0603703520
Action Type: Other
Date: 10/31/1989
Action: Leak Discovery

Global Id: T0603703520
Action Type: Other
Date: 10/31/1989
Action: Leak Stopped

Global Id: T0603703520
Action Type: Other
Date: 05/06/1992
Action: Leak Reported

CHEVRON #9-1686 (Continued) **S104234376**

Region:	STATE
Global Id:	T0603703521
Latitude:	33.9693202
Longitude:	-118.1779111
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	04/10/2013
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	JW
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	I-09910A
LOC Case Number:	Not reported
File Location:	Regional Board
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603703521
Contact Type:	Regional Board Caseworker
Contact Name:	JIMMIE WOO
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	jwoo@waterboards.ca.gov
Phone Number:	2135766600

Global Id:	T0603703521
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Status History:

Global Id:	T0603703521
Status:	Completed - Case Closed
Status Date:	04/10/2013

Global Id:	T0603703521
Status:	Open - Case Begin Date
Status Date:	05/30/1999

Global Id:	T0603703521
Status:	Open - Eligible for Closure
Status Date:	12/07/2012

Global Id:	T0603703521
Status:	Open - Remediation
Status Date:	04/12/2012

Global Id:	T0603703521
Status:	Open - Site Assessment

CHEVRON #9-1686 (Continued) **S104234376**

Status Date: 12/01/1999

Global Id: T0603703521
Status: Open - Site Assessment
Status Date: 10/14/2010

Regulatory Activities:
Global Id: T0603703521
Action Type: ENFORCEMENT
Date: 04/12/2012
Action: Staff Letter

Global Id: T0603703521
Action Type: ENFORCEMENT
Date: 10/14/2010
Action: Staff Letter

Global Id: T0603703521
Action Type: ENFORCEMENT
Date: 01/29/2013
Action: Staff Letter

Global Id: T0603703521
Action Type: RESPONSE
Date: 03/15/2011
Action: Soil and Water Investigation Report

Global Id: T0603703521
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603703521
Action Type: RESPONSE
Date: 10/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603703521
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603703521
Action Type: ENFORCEMENT
Date: 04/10/2013
Action: Closure/No Further Action Letter

Global Id: T0603703521
Action Type: Other
Date: 12/01/1999
Action: Leak Reported

Global Id: T0603703521
Action Type: RESPONSE
Date: 03/28/2008
Action: Other Report / Document

CHEVRON #9-1686 (Continued) **S104234376**

Global Id: T0603703521
Action Type: RESPONSE
Date: 11/30/2010
Action: Soil and Water Investigation Workplan

Global Id: T0603703521
Action Type: ENFORCEMENT
Date: 02/27/2008
Action: Staff Letter

Global Id: T0603703521
Action Type: ENFORCEMENT
Date: 01/06/2011
Action: Staff Letter

Global Id: T0603703521
Action Type: RESPONSE
Date: 01/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603703521
Action Type: RESPONSE
Date: 04/05/2013
Action: Other Report / Document

Global Id: T0603703521
Action Type: RESPONSE
Date: 07/12/2013
Action: Well Destruction Report

Global Id: T0603703521
Action Type: Other
Date: 05/30/1999
Action: Leak Discovery

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-09910A
Status: Preliminary site assessment underway
Substance: Hydrocarbons
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: OT
Global ID: T0603703521
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: 5/30/1999
Date Leak First Reported: 12/1/1999
Date Leak Record Entered: Not reported
Date Confirmation Began: Not reported

CHEVRON #9-1686 (Continued) **S104234376**

Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		12/1/1999
Date the Case was Closed:		Not reported
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1313.351708465999280139791598
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		12/1/1999
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CHEVRON PRODUCTS CO	
RP Address:	1300 S. BEACH BLVD., LA HABRA CA 90631	
Program:	LUST	
Lat/Long:	33.9693202 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

K51 **CHEVRON STATION 91686** **RCRA-SQG** **1000273875**
NE **5001 FLORENCE AVE** **LUST** **CAD981434764**
1/4-1/2 **BELL, CA 90201** **FINDS**
0.397 mi. **ECHO**
2096 ft. **Site 4 of 5 in cluster K**

Relative:
Higher

Actual:
128 ft.

RCRA-SQG:

Date form received by agency:	06/15/2004
Facility name:	CHEVRON STATION 91686
Facility address:	5001 FLORENCE AVE BELL, CA 902013802
EPA ID:	CAD981434764
Mailing address:	PO BOX 6004 SAN RAMON, CA 94583
Contact:	KATHY L NORRIS
Contact address:	PO BOX 6004 SAN RAMON, CA 94583
Contact country:	US
Contact telephone:	925-842-5931

CHEVRON STATION 91686 (Continued) **1000273875**

Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: CHEVRON PRODUCTS CO
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/01/1989
Owner/Op end date: Not reported

Owner/operator name: CHEVRON PRODUCTS CO
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/01/1989
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Historical Generators:
Date form received by agency: 05/16/2002
Site name: CHEVRON STATION 91686

CHEVRON STATION 91686 (Continued) **1000273875**

Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-09910	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603703520	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	10/31/1989	
Date Leak First Reported:		5/6/1992
Date Leak Record Entered:	5/25/1992	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	10/31/1989	
Date Case Last Changed on Database:		6/11/1992
Date the Case was Closed:		6/16/1992
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	FARHAN, LOUAI	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1311.54554472063749236647668 81
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		5/6/1992
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	

CHEVRON STATION 91686 (Continued) **1000273875**

Responsible Party: CHEVRON USA
RP Address: P.O. BOX 2833, LA HABRA, 90632
Program: LUST
Lat/Long: 33.9693202 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

FINDS:

Registry ID: 110002703977

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000273875
Registry ID: 110002703977
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002703977

K52 **CHEVRON #9-1686** **HIST CORTESE** **S103662424**
NE **5001 FLORENCE** **N/A**
1/4-1/2 **BELL, CA 90201**
0.397 mi.
2096 ft. **Site 5 of 5 in cluster K**

Relative:
Higher

Actual:
128 ft.

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-09910

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-09910A

J53 **SOUTH REGION ES #3 5640016** **ENVIROSTOR** **S107737380**
NNW **ATLANTIC AVENUE/FLORENCE AVENUE** **SCH** **N/A**
1/4-1/2 **BELL, CA 90201** **DEED**
0.400 mi.
2112 ft. **Site 2 of 2 in cluster J**

Relative:
Higher

Actual:
135 ft.

ENVIROSTOR:

Facility ID:	60000128
Status:	Certified / Operation & Maintenance
Status Date:	09/04/2012
Site Code:	304511
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	4.77
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Aslam Shareef
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	63
Senate:	33
Special Program:	Not reported
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.96831
Longitude:	-118.1879
APN:	6225-005-401, 6225-005-903, 6225-006-001, 6225-006-002, 6225-006-003, 6225-006-004, 6225-006-005, 6225-006-006, 6225-006-007, 6225-006-008, 6225-006-009, 6225-006-010, 6225-006-011, 6225-006-012, 6225-006-013, 6225-006-014
Past Use:	RESIDENTIAL AREA
Potential COC:	Arsenic Lead Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas
Confirmed COC:	30019-NO 30024-NO 30025-NO 30001-NO 30013-NO
Potential Description:	SOIL, SV, IA
Alias Name:	6225-006-013
Alias Type:	APN
Alias Name:	6225-006-014
Alias Type:	APN
Alias Name:	110033616763
Alias Type:	EPA (FRS #)
Alias Name:	304511
Alias Type:	Project Code (Site Code)
Alias Name:	60000128
Alias Type:	Envirostor ID Number
Alias Name:	Jaime Escalante Elementary School
Alias Type:	Alternate Name
Alias Name:	LAUSD-SOUTH REGION ES #3 5640016
Alias Type:	Alternate Name
Alias Name:	SRES #3
Alias Type:	Alternate Name
Alias Name:	South Region ES #3
Alias Type:	Alternate Name
Alias Name:	South Region ES#3
Alias Type:	Alternate Name
Alias Name:	South Region Elementary School #3
Alias Type:	Alternate Name

SOUTH REGION ES #3 5640016 (Continued) **S107737380**

Alias Name: South Region Elementary School#3
Alias Type: Alternate Name
Alias Name: 6225-005-401
Alias Type: APN
Alias Name: 6225-005-903
Alias Type: APN
Alias Name: 6225-006-001
Alias Type: APN
Alias Name: 6225-006-002
Alias Type: APN
Alias Name: 6225-006-003
Alias Type: APN
Alias Name: 6225-006-004
Alias Type: APN
Alias Name: 6225-006-005
Alias Type: APN
Alias Name: 6225-006-006
Alias Type: APN
Alias Name: 6225-006-007
Alias Type: APN
Alias Name: 6225-006-008
Alias Type: APN
Alias Name: 6225-006-009
Alias Type: APN
Alias Name: 6225-006-010
Alias Type: APN
Alias Name: 6225-006-011
Alias Type: APN
Alias Name: 6225-006-012
Alias Type: APN

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/09/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 09/20/2010
Comments: Associated RAW approved on 9/20/2010

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 07/06/2005
Comments: discussed and revised at scoping mtg.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/03/2006
Comments: Further action required for As and chloroform

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

SOUTH REGION ES #3 5640016 (Continued) **S107737380**

Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 06/14/2006
Comments: Concurrence via email

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 07/20/2007
Comments: SSI approved on 7/20/2007; further action for arsenic and voc contamination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 05/17/2007
Comments: SSI/LBP approval letter drafted(dated) 5/17/07

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 04/04/2008
Comments: Public comment period 2/29/8008 to 3/31/2008; RAW addresses aresenic, lead and total petroleum hydrocarbon impacted soil. Volatile organic compound impacted soil gas will be addressed in an Interim Remedial Action Plan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 10/30/2007
Comments: SFPD FORM 4.15

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 07/18/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 04/05/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/20/2010
Comments: DTSC approved the RAW for implementation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/02/2010
Comments: Fact Sheet-Final

Completed Area Name: PROJECT WIDE

SOUTH REGION ES #3 5640016 (Continued) **S107737380**

Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 09/09/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 09/09/2011
Comments: DTSC approved Area 1 Operation and Maintenance Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 06/06/2005
Comments: Document submitted for the administrative file. CD available for viewing at the Chatsworth Regional office located at 9211 Oakdale Avenue, Chatsworth, Ca 91311

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/02/2012
Comments: DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/02/2012
Comments: DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/09/2012
Comments: DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/22/2013
Comments: DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 10/01/2013
Comments: DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report

SOUTH REGION ES #3 5640016 (Continued) **S107737380**

Completed Date: 06/25/2014
Comments: DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2015
Comments: Annual Cost Estimate emailed and mailed to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/21/2014
Comments: Document

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/03/2014
Comments: Document

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/18/2014
Comments: DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/07/2015
Comments: DTSC approved the Operation and Maintenance Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/23/2015
Comments: DTSC approved the Operation and Maintenance Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/14/2016
Comments: DTSC approved the Operation and Maintenance Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/23/2015

SOUTH REGION ES #3 5640016 (Continued) **S107737380**

Comments: Site Visit Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/01/2016
Comments: DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/20/2016
Comments: Annual Cost Estimates Letter, dated 9/20/16, sent to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 09/04/2012
Comments: DTSC certified that response action according to the DTSC-approved RAW is complete. Operation and maintenance is required

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/18/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 10/26/2007
Comments: Rec'd signed agreement to amend EOA to Master SCA

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 03/14/2012
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: 5 Year Review Reports
Schedule Due Date: 01/14/2017
Schedule Revised Date: Not reported

SCH:

Facility ID: 60000128
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 4.77

SOUTH REGION ES #3 5640016 (Continued) **S107737380**

National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Aslam Shareef
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304511
Assembly:	63
Senate:	33
Special Program Status:	Not reported
Status:	Certified / Operation & Maintenance
Status Date:	09/04/2012
Restricted Use:	YES
Funding:	School District
Latitude:	33.96831
Longitude:	-118.1879
APN:	6225-005-401, 6225-005-903, 6225-006-001, 6225-006-002, 6225-006-003, 6225-006-004, 6225-006-005, 6225-006-006, 6225-006-007, 6225-006-008, 6225-006-009, 6225-006-010, 6225-006-011, 6225-006-012, 6225-006-013, 6225-006-014
Past Use:	RESIDENTIAL AREA
Potential COC:	Arsenic, Lead, Polynuclear aromatic hydrocarbons (PAHs, TPH-diesel, TPH-gas
Confirmed COC:	30019-NO, 30024-NO, 30025-NO, 30001-NO, 30013-NO
Potential Description:	SOIL, SV, IA
Alias Name:	6225-006-013
Alias Type:	APN
Alias Name:	6225-006-014
Alias Type:	APN
Alias Name:	110033616763
Alias Type:	EPA (FRS #)
Alias Name:	304511
Alias Type:	Project Code (Site Code)
Alias Name:	60000128
Alias Type:	Envirostor ID Number
Alias Name:	Jaime Escalante Elementary School
Alias Type:	Alternate Name
Alias Name:	LAUSD-SOUTH REGION ES #3 5640016
Alias Type:	Alternate Name
Alias Name:	SRES #3
Alias Type:	Alternate Name
Alias Name:	South Region ES #3
Alias Type:	Alternate Name
Alias Name:	South Region ES#3
Alias Type:	Alternate Name
Alias Name:	South Region Elementary School #3
Alias Type:	Alternate Name
Alias Name:	South Region Elementary School#3
Alias Type:	Alternate Name
Alias Name:	6225-005-401
Alias Type:	APN
Alias Name:	6225-005-903
Alias Type:	APN
Alias Name:	6225-006-001
Alias Type:	APN
Alias Name:	6225-006-002

SOUTH REGION ES #3 5640016 (Continued) **S107737380**

Alias Type:	APN
Alias Name:	6225-006-003
Alias Type:	APN
Alias Name:	6225-006-004
Alias Type:	APN
Alias Name:	6225-006-005
Alias Type:	APN
Alias Name:	6225-006-006
Alias Type:	APN
Alias Name:	6225-006-007
Alias Type:	APN
Alias Name:	6225-006-008
Alias Type:	APN
Alias Name:	6225-006-009
Alias Type:	APN
Alias Name:	6225-006-010
Alias Type:	APN
Alias Name:	6225-006-011
Alias Type:	APN
Alias Name:	6225-006-012
Alias Type:	APN

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	08/09/2005
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Notice of Exemption
Completed Date:	09/20/2010
Comments:	Associated RAW approved on 9/20/2010
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	07/06/2005
Comments:	discussed and revised at scoping mtg.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	04/03/2006
Comments:	Further action required for As and chloroform
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Tech Memo
Completed Date:	06/14/2006
Comments:	Concurrence via email
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Report
Completed Date:	07/20/2007
Comments:	SSI approved on 7/20/2007; further action for arsenic and voc

SOUTH REGION ES #3 5640016 (Continued) **S107737380**

contamination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 05/17/2007
Comments: SSI/LBP approval letter drafted(dated) 5/17/07

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 04/04/2008
Comments: Public comment period 2/29/8008 to 3/31/2008; RAW addresses aresenic, lead and total petroleum hydrocarbon impacted soil. Volatile organic compound impacted soil gas will be addressed in an Interim Remedial Action Plan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 10/30/2007
Comments: SFPD FORM 4.15

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 07/18/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 04/05/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/20/2010
Comments: DTSC approved the RAW for implementation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/02/2010
Comments: Fact Sheet-Final

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 09/09/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 09/09/2011

SOUTH REGION ES #3 5640016 (Continued) **S107737380**

Comments:	DTSC approved Area 1 Operation and Maintenance Plan.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	06/06/2005
Comments:	Document submitted for the administrative file. CD available for viewing at the Chatsworth Regional office located at 9211 Oakdale Avenue, Chatsworth, Ca 91311
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	03/02/2012
Comments:	DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	03/02/2012
Comments:	DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	08/09/2012
Comments:	DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	01/22/2013
Comments:	DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	10/01/2013
Comments:	DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	06/25/2014
Comments:	DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/22/2015
Comments:	Annual Cost Estimate emailed and mailed to LAUSD.

SOUTH REGION ES #3 5640016 (Continued) **S107737380**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/21/2014
Comments: Document

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/03/2014
Comments: Document

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/18/2014
Comments: DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/07/2015
Comments: DTSC approved the Operation and Maintenance Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/23/2015
Comments: DTSC approved the Operation and Maintenance Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/14/2016
Comments: DTSC approved the Operation and Maintenance Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/23/2015
Comments: Site Visit Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/01/2016
Comments: DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE

SOUTH REGION ES #3 5640016 (Continued) **S107737380**

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/20/2016
Comments: Annual Cost Estimates Letter, dated 9/20/16, sent to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 09/04/2012
Comments: DTSC certified that response action according to the DTSC-approved RAW is complete. Operation and maintenance is required

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/18/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 10/26/2007
Comments: Rec'd signed agreement to amend EOA to Master SCA

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 03/14/2012
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: 5 Year Review Reports
Schedule Due Date: 01/14/2017
Schedule Revised Date: Not reported

DEED:
Envirostor ID: 60000128
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: SCHOOL CLEANUP
Status: CERTIFIED / OPERATION & MAINTENANCE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 04/05/2012

L54 **MATLACK INC** **LUST** **S104159730**
SSE **8332 WILCOX AVE** **HIST UST** **N/A**
1/4-1/2 **SOUTH GATE, CA 90280** **HIST CORTESE**
0.413 mi. **NPDES**
2179 ft. **Site 1 of 3 in cluster L**

Relative:
Lower

Actual:
116 ft.

LUST:

Region:	STATE
Global Id:	T0603703785
Latitude:	33.9571775
Longitude:	-118.1796478
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	02/08/1993
Lead Agency:	LOS ANGELES COUNTY
Case Worker:	JOA
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	I-11357
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603703785
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603703785
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603703785
Status:	Completed - Case Closed
Status Date:	02/08/1993

Global Id:	T0603703785
Status:	Open - Case Begin Date
Status Date:	06/01/1992

Regulatory Activities:

Global Id:	T0603703785
Action Type:	Other
Date:	06/01/1992
Action:	Leak Discovery

MATLACK INC (Continued) **S104159730**

Global Id: T0603703785
Action Type: Other
Date: 09/03/1992
Action: Leak Reported

HIST UST:
File Number: 0002666F
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002666F.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-11357

NPDES:
Npdes Number: CAS000001
Facility Status: Active
Agency Id: 0
Region: 4
Regulatory Measure Id: 456961
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 4 19I026293
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 11/20/2015
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: QualaWash Holdings LLC
Discharge Address: 8332 Wilcox Ave South
Discharge City: Southgate
Discharge State: California

MATLACK INC (Continued) **S104159730**

Discharge Zip:	90280
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

MATLACK INC (Continued) **S104159730**

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	456961
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I026293
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	10/29/2015
PROCESSED DATE:	11/20/2015
STATUS CODE NAME:	Active
STATUS DATE:	11/20/2015
PLACE SIZE:	2
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Charles Boyd
FACILITY CONTACT TITLE:	Director of Environmental
FACILITY CONTACT PHONE:	423-842-1488
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	cboyd@quala.us.com
OPERATOR NAME:	QualaWash Holdings LLC
OPERATOR ADDRESS:	8332 Wilcox Ave South
OPERATOR CITY:	Southgate
OPERATOR STATE:	California
OPERATOR ZIP:	90280
OPERATOR CONTACT NAME:	Charles Boyd
OPERATOR CONTACT TITLE:	Director of Environmental
OPERATOR CONTACT PHONE:	423-842-1488
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	cboyd@quala.us.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Florida
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	423-298-1373
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported

MATLACK INC (Continued) **S104159730**

CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Los Angeles River
CERTIFIER NAME:	Charles Boyd
CERTIFIER TITLE:	Director of Environmental
CERTIFICATION DATE:	29-OCT-15
PRIMARY SIC:	4213-Trucking, Except Local
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	400782
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I022406
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	12/2/2015
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	11/5/2009
PROCESSED DATE:	11/18/2009
STATUS CODE NAME:	Terminated
STATUS DATE:	12/15/2015
PLACE SIZE:	2
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Daniel Langdon
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	323-771-8226
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Qualawash Holdings LLC
OPERATOR ADDRESS:	1302 N 19th Street
OPERATOR CITY:	Tampa
OPERATOR STATE:	Florida
OPERATOR ZIP:	33605
OPERATOR CONTACT NAME:	John Allen
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	813-569-7365

MATLACK INC (Continued) **S104159730**

OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Florida
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Los Angeles
CERTIFIER NAME:	John Allen
CERTIFIER TITLE:	Dir of Operations
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	4213-Trucking, Except Local
SECONDARY SIC:	4231-Terminal and Joint Terminal Maintenance Facilities for Motor Freight Transportation
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Terminated
Agency Id:	0
Region:	4
Regulatory Measure Id:	400782
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I022406
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/18/2009
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	12/02/2015
Discharge Name:	Qualawash Holdings LLC
Discharge Address:	1302 N 19th Street
Discharge City:	Tampa
Discharge State:	Florida
Discharge Zip:	33605

MATLACK INC (Continued) **S104159730**

RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

L55 **MATLACK INC** **LUST** **S100720279**
SSE **8332 WILCOX AVE** **SWEEPS UST** **N/A**
1/4-1/2 **SOUTH GATE, CA 90280**
0.413 mi.
2179 ft. **Site 2 of 3 in cluster L**

Relative:
Lower

Actual:
116 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-11357	
Status:	Case Closed	
Substance:	Diesel	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603703785	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	CECELIA	
Enforcement Type:	Not reported	
Date Leak Discovered:	6/1/1992	
Date Leak First Reported:		9/3/1992
Date Leak Record Entered:	8/20/1992	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		4/8/1993
Date the Case was Closed:		2/8/1993
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		713.41112865179766907862739823
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BENARR BALSER	
RP Address:	1708 CAMINO LA VISTA, FULLERTON, 92633	
Program:	LUST	
Lat/Long:	33.9578465 / -1	
Local Agency Staff:	Not reported	

MATLACK INC (Continued) **S100720279**

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

SWEEPS UST:
Status: Active
Comp Number: 11357
Number: 1
Board Of Equalization: 44-009256
Referral Date: 06-25-92
Action Date: 06-25-92
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011357-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 7

Status: Active
Comp Number: 11357
Number: 1
Board Of Equalization: 44-009256
Referral Date: 06-25-92
Action Date: 06-25-92
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011357-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 11357
Number: 1
Board Of Equalization: 44-009256
Referral Date: 06-25-92
Action Date: 06-25-92
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011357-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported

MATLACK INC (Continued) **S100720279**

Number Of Tanks: Not reported

Status: Active
Comp Number: 11357
Number: 1
Board Of Equalization: 44-009256
Referral Date: 06-25-92
Action Date: 06-25-92
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011357-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 11357
Number: 1
Board Of Equalization: 44-009256
Referral Date: 06-25-92
Action Date: 06-25-92
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011357-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 11357
Number: 1
Board Of Equalization: 44-009256
Referral Date: 06-25-92
Action Date: 06-25-92
Created Date: 06-30-89
Owner Tank Id: 6
SWRCB Tank Id: 19-000-011357-000006
Tank Status: A
Capacity: 12000
Active Date: 06-30-89
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 11357
Number: 1
Board Of Equalization: 44-009256

MATLACK INC (Continued) **S100720279**

Referral Date:	06-25-92
Action Date:	06-25-92
Created Date:	06-30-89
Owner Tank Id:	7
SWRCB Tank Id:	19-000-011357-000007
Tank Status:	A
Capacity:	12000
Active Date:	06-30-89
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

L56 **CONSOLIDATED PRECISION PRODUCTS** **ENVIROSTOR** **S106933293**
SSE **8333 WILCOX AVENUE** **SWEEPS UST** **N/A**
1/4-1/2 **CUDAHY, CA 90201**
0.417 mi.
2200 ft. **Site 3 of 3 in cluster L**

Relative:
Lower

Actual:
116 ft.

ENVIROSTOR:

Facility ID:	60002010
Status:	No Action Required
Status Date:	08/06/2014
Site Code:	301658
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	3
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Narine Aghakiant
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Assembly:	63
Senate:	33
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.95635
Longitude:	-118.1843
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	301658
Alias Type:	Project Code (Site Code)
Alias Name:	60002010
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	PA/SI Site Screening
Completed Date:	06/24/2014
Comments:	Not reported

CONSOLIDATED PRECISION PRODUCTS (Continued) **S106933293**

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

SWEEPS UST:

Status:	Not reported
Comp Number:	722
Number:	Not reported
Board Of Equalization:	44-007478
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-000722-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	2

Status:	Not reported
Comp Number:	722
Number:	Not reported
Board Of Equalization:	44-007478
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-000722-000002
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	Not reported

57
SSW
1/4-1/2
0.423 mi.
2231 ft.

INCO EXPRESS, INC.
8410 SALT LAKE AVE
CUDAHY, CA 90201

LUST **S102431636**
HIST CORTESE **N/A**

Relative:
Lower

Actual:
117 ft.

LUST:

Region:	STATE
Global Id:	T0603704261
Latitude:	33.9570674
Longitude:	-118.1865553
Case Type:	LUST Cleanup Site

INCO EXPRESS, INC. (Continued) **S102431636**

Status: Completed - Case Closed
Status Date: 01/26/1990
Lead Agency: LOS ANGELES COUNTY
Case Worker: JOA
Local Agency: LOS ANGELES COUNTY
RB Case Number: I-15115
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603704261
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704261
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0603704261
Status: Completed - Case Closed
Status Date: 01/26/1990

Global Id: T0603704261
Status: Open - Case Begin Date
Status Date: 01/26/1990

Regulatory Activities:
Global Id: T0603704261
Action Type: Other
Date: 01/26/1990
Action: Leak Reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-15115
Status: Case Closed
Substance: 1

INCO EXPRESS, INC. (Continued) **S102431636**

Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704261	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		1/26/1990
Date Leak Record Entered:	2/5/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		2/16/1990
Date the Case was Closed:		1/26/1990
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1037.623361722906225296888083 7
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	INCO EXPRESS, INC.	
RP Address:	8410 SALT LAKE AVENUE, CUDAHY, 90201	
Program:	LUST	
Lat/Long:	33.9572935 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA

INCO EXPRESS, INC. (Continued) **S102431636**

Reg Id: I-15115

M58
NNW
1/4-1/2
0.427 mi.
2253 ft.

FORMER MIDAS MUFFLERS **ENVIROSTOR** **S118757274**
4406 E. FLORENCE AVENUE **N/A**
BELL, CA 90201

Site 1 of 2 in cluster M

Relative:
Higher

Actual:
136 ft.

ENVIROSTOR:

Facility ID:	60001861
Status:	No Action Required
Status Date:	09/17/2013
Site Code:	301605
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Assembly:	63
Senate:	33
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.97017
Longitude:	-118.1889
APN:	6225-005-400, 6225005400
Past Use:	VEHICLE MAINTENANCE
Potential COC:	Under Investigation
Confirmed COC:	31001-NO
Potential Description:	NONE SPECIFIED
Alias Name:	6225-005-400
Alias Type:	APN
Alias Name:	6225005400
Alias Type:	APN
Alias Name:	CAN000909572
Alias Type:	CERCLIS ID
Alias Name:	301605
Alias Type:	Project Code (Site Code)
Alias Name:	60001861
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	PA/SI Site Screening
Completed Date:	09/12/2013
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported

FORMER MIDAS MUFFLERS (Continued) **S118757274**

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

M59 **TUNE UP MASTERS SHOP #21** **LUST** **S102439304**
NNW **4404 FLORENCE AVE E** **HIST CORTESE** **N/A**
1/4-1/2 **BELL, CA 90201**
0.433 mi.
2287 ft. **Site 2 of 2 in cluster M**

Relative:
Higher

Actual:
136 ft.

LUST:

Region:	STATE
Global Id:	T0603704307
Latitude:	33.9702653
Longitude:	-118.1890185
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/28/1991
Lead Agency:	LOS ANGELES COUNTY
Case Worker:	JOA
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	I-15453
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603704307
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603704307
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603704307
Status:	Completed - Case Closed
Status Date:	08/28/1991

Global Id:	T0603704307
Status:	Open - Case Begin Date
Status Date:	04/17/1990

TUNE UP MASTERS SHOP #21 (Continued) **S102439304**

Global Id: T0603704307
Status: Open - Remediation
Status Date: 03/04/1991

Regulatory Activities:
Global Id: T0603704307
Action Type: Other
Date: 04/17/1990
Action: Leak Discovery

Global Id: T0603704307
Action Type: Other
Date: 04/17/1990
Action: Leak Stopped

Global Id: T0603704307
Action Type: Other
Date: 05/15/1990
Action: Leak Reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-15453
Status: Case Closed
Substance: Waste Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704307
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: ATLANTIC BLVD
Enforcement Type: Not reported
Date Leak Discovered: 4/17/1990
Date Leak First Reported: 5/15/1990
Date Leak Record Entered: 5/24/1990
Date Confirmation Began: Not reported
Date Leak Stopped: 4/17/1990
Date Case Last Changed on Database: 12/20/1991
Date the Case was Closed: 8/28/1991
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: BLACKWELL, RAY
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 547.89269000949927454016672213
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported

TUNE UP MASTERS SHOP #21 (Continued) **S102439304**

Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	3/4/1991
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	TUNEUP MASTERS INC.
RP Address:	2001 CORPORATE CENTER DR, NEWBURY PARK, 91320
Program:	LUST
Lat/Long:	33.9702653 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	OLD CASE #052590-17

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-15453

N60 **JACK'S CAR WASH** **LUST** **S101295607**
NNW **7030 ATLANTIC AVE S** **HIST CORTESE** **N/A**
1/4-1/2 **BELL, CA 90201**
0.434 mi.
2293 ft. **Site 1 of 2 in cluster N**

Relative:
Higher

Actual:
135 ft.

LUST:

Region:	STATE
Global Id:	T0603705265
Latitude:	33.971101
Longitude:	-118.187641
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/28/1994
Lead Agency:	LOS ANGELES COUNTY
Case Worker:	JOA
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	R-15794
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

JACK'S CAR WASH (Continued) **S101295607**

Contact:
Global Id: T0603705265
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603705265
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0603705265
Status: Completed - Case Closed
Status Date: 03/28/1994

Global Id: T0603705265
Status: Open - Case Begin Date
Status Date: 02/24/1984

Global Id: T0603705265
Status: Open - Site Assessment
Status Date: 06/22/1988

Regulatory Activities:
Global Id: T0603705265
Action Type: Other
Date: 02/24/1984
Action: Leak Reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-15794
Status: Pollution Characterization
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603705265
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: FLORENCE

JACK'S CAR WASH (Continued) **S101295607**

Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		2/24/1984
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		7/15/1988
Date the Case was Closed:		Not reported
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		815.45709066028078746549966 01
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		6/22/1988
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BLANK RP	
RP Address:	Not reported	
Program:	LUST	
Lat/Long:	33.9719303 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	SUSPECTED GASOLINE LEAK REPORTED. SITE INSPECTION BY TRB. TANKS OUT OF SERVICE FOR ABOUT 8 YRS	

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-15794

O61 **WASTE MANAGEMENT SOUTH GATE TRANSFER STATION** **SWF/LF** **S108757777**
SW **4489 ARDINE STREET** **NPDES** **N/A**
1/4-1/2 **SOUTH GATE, CA 90280**
0.442 mi.
2333 ft. **Site 1 of 4 in cluster O**

Relative:
Lower

Actual:
122 ft.

SWF/LF (SWIS):

Region:	STATE
Facility ID:	19-AA-0856
Lat/Long:	33.95825 / -118.19074
Owner Name:	H.B.J.J., Inc. Sub. Of USA Waste
Owner Telephone:	3235608488
Owner Address:	Not reported
Owner Address2:	4489 Ardine St.
Owner City,St,Zip:	South Gate, CA 90280
Operational Status:	Active
Operator:	H.B.J.J. Inc. Subsidiary Of USA Waste
Operator Phone:	3235608488
Operator Address:	Not reported
Operator Address2:	4489 Ardine St.
Operator City,St,Zip:	South Gate, CA 90280
Permit Date:	03/24/2010
Permit Status:	Permitted
Permitted Acreage:	$2.40
Activity:	Large Volume Transfer/Proc Facility
Regulation Status:	Permitted
Landuse Name:	Residential,Industrial
GIS Source:	Map
Category:	Transfer/Processing
Unit Number:	01
Inspection Frequency:	Monthly
Accepted Waste:	Construction/demolition,Green Materials,Industrial,Inert,Mixed municipal
Closure Date:	Not reported
Closure Type:	Not reported
Disposal Acreage:	Not reported
SWIS Num:	19-AA-0856
Waste Discharge Requirement Num:	Not reported
Program Type:	MRF
Permitted Throughput with Units:	2000
Actual Throughput with Units:	Tons/day
Permitted Capacity with Units:	2000
Remaining Capacity:	Not reported
Remaining Capacity with Units:	Tons/day
Lat/Long:	33.95825 / -118.19074

LOS ANGELES CO. LF:

Site ID:	207
Alt. Address:	N/A
Site Contact:	Not reported
Site Contact Phone:	(323) 560-8488
Site Email:	amonterrey@wm.com
Site Website:	www.wm.com
Site Type:	Transfer and Processing Facility
Site SWIS Number:	19-AA-0856
Beginning Operation Date:	N/A
Ending Operation Date:	N/A
Local Enforcement Agency:	County of Los Angeles Department of Public Health
Maximun Depth Fill(Ft):	N/A

WASTE MANAGEMENT SOUTH GATE TRANSFER STATION (Continued) **S108757777**

Permitted Capacity:	2000
Present Use:	Transfer/Processing Facility
Remaining Capacity(Million):	N/A
Status:	Active
Waste Accepted:	Construction & Demolition;Green Materials;Household Trash;Industrial Non-Hazardous;Inert;
Hours of Operation:	Monday - Friday 6 am - 5 pm
Disposal Area (Acre):	N/A

Detail As Of 01/2014:

Operator Name:	Waste Management, Inc. - Sun Valley
Operator Address:	9081 Tujunga Avenue
Operator City/State/Zip:	Sun Valley, CA 91352-1516
Operator Contact:	Debbie Myers
Operator Telephone:	(818) 767-6180
Operator Email:	dmyer@wm.com
Owner Name:	Waste Management, INC.
Owner Address:	9081 Tujunga Avenue
Owner City/State/Zip:	Sun Valley, CA 91352
Owner Contact:	Debbie Myers
Owner Telephone:	(818) 767-6180
Owner Email:	Not reported

NPDES:

Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	189863
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I009716
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/25/1993
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	USA Waste of California
Discharge Address:	4489 Ardine St
Discharge City:	South Gate
Discharge State:	California
Discharge Zip:	90280
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported

WASTE MANAGEMENT SOUTH GATE TRANSFER STATION (Continued) **S108757777**

OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	189863
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I009716
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported

WASTE MANAGEMENT SOUTH GATE TRANSFER STATION (Continued) **S108757777**

Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	1/25/1993
STATUS CODE NAME:	Active
STATUS DATE:	1/25/1993
PLACE SIZE:	2.42
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Miguel Zamora
FACILITY CONTACT TITLE:	District Manager
FACILITY CONTACT PHONE:	818-262-1230
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	mzamora@wm.com
OPERATOR NAME:	USA Waste of California
OPERATOR ADDRESS:	4489 Ardine St
OPERATOR CITY:	South Gate
OPERATOR STATE:	California
OPERATOR ZIP:	90280
OPERATOR CONTACT NAME:	Miguel Zamora
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	818-262-1230
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	mzamora@wm.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	310-864-4882
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	City Sewer System
CERTIFIER NAME:	Robert Mitchell
CERTIFIER TITLE:	Supervisor
CERTIFICATION DATE:	03-JUN-15

WASTE MANAGEMENT SOUTH GATE TRANSFER STATION (Continued) **S108757777**

PRIMARY SIC: 4953-Refuse Systems
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

N62 **SHELL #204-0576-0503 (FORMER)** **LUST** **S102436976**
NNW **7121 ATLANTIC AVE S** **HIST CORTESE** **N/A**
1/4-1/2 **BELL, CA 90201**
0.446 mi.
2354 ft. **Site 2 of 2 in cluster N**

Relative:
Higher

Actual:
136 ft.

LUST:

Region:	STATE
Global Id:	T0603703434
Latitude:	33.97045942
Longitude:	-118.1882295
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/18/2008
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	JW
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	I-09497
LOC Case Number:	Not reported
File Location:	Regional Board
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603703434
Contact Type:	Regional Board Caseworker
Contact Name:	JIMMIE WOO
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	jwoo@waterboards.ca.gov
Phone Number:	2135766600

Global Id:	T0603703434
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Status History:

Global Id:	T0603703434
Status:	Completed - Case Closed
Status Date:	07/18/2008

Global Id:	T0603703434
Status:	Completed - Case Closed
Status Date:	07/18/2008

SHELL #204-0576-0503 (FORMER) (Continued) **S102436976**

Global Id: T0603703434
Status: Open - Case Begin Date
Status Date: 12/06/1983

Global Id: T0603703434
Status: Open - Remediation
Status Date: 08/20/2002

Global Id: T0603703434
Status: Open - Remediation
Status Date: 10/16/2002

Global Id: T0603703434
Status: Open - Site Assessment
Status Date: 02/01/1984

Global Id: T0603703434
Status: Open - Site Assessment
Status Date: 07/01/1989

Global Id: T0603703434
Status: Open - Site Assessment
Status Date: 10/27/1999

Global Id: T0603703434
Status: Open - Site Assessment
Status Date: 10/11/2000

Global Id: T0603703434
Status: Open - Site Assessment
Status Date: 08/23/2001

Global Id: T0603703434
Status: Open - Site Assessment
Status Date: 02/01/2002

Global Id: T0603703434
Status: Open - Site Assessment
Status Date: 05/22/2003

Global Id: T0603703434
Status: Open - Site Assessment
Status Date: 10/01/2007

Regulatory Activities:
Global Id: T0603703434
Action Type: ENFORCEMENT
Date: 04/18/2007
Action: Site Visit / Inspection / Sampling

Global Id: T0603703434
Action Type: RESPONSE
Date: 04/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603703434
Action Type: RESPONSE

SHELL #204-0576-0503 (FORMER) (Continued) **S102436976**

Date: 01/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603703434
Action Type: RESPONSE
Date: 07/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603703434
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603703434
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603703434
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603703434
Action Type: RESPONSE
Date: 10/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603703434
Action Type: RESPONSE
Date: 04/15/2008
Action: Soil and Water Investigation Report

Global Id: T0603703434
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603703434
Action Type: ENFORCEMENT
Date: 07/01/2008
Action: Notification - Preclosure

Global Id: T0603703434
Action Type: ENFORCEMENT
Date: 06/17/2008
Action: Site Visit / Inspection / Sampling

Global Id: T0603703434
Action Type: ENFORCEMENT
Date: 07/18/2008
Action: Closure/No Further Action Letter

Global Id: T0603703434
Action Type: RESPONSE
Date: 07/15/2004
Action: Soil and Water Investigation Report

SHELL #204-0576-0503 (FORMER) (Continued) **S102436976**

Global Id: T0603703434
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603703434
Action Type: RESPONSE
Date: 07/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603703434
Action Type: RESPONSE
Date: 04/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603703434
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603703434
Action Type: RESPONSE
Date: 01/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603703434
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603703434
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603703434
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603703434
Action Type: RESPONSE
Date: 01/15/2008
Action: Soil and Water Investigation Report

Global Id: T0603703434
Action Type: ENFORCEMENT
Date: 06/07/2002
Action: Site Visit / Inspection / Sampling

Global Id: T0603703434
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603703434
Action Type: RESPONSE

SHELL #204-0576-0503 (FORMER) (Continued) **S102436976**

Date: 01/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603703434
Action Type: RESPONSE
Date: 02/13/2008
Action: Other Report / Document

Global Id: T0603703434
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603703434
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603703434
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603703434
Action Type: RESPONSE
Date: 10/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603703434
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603703434
Action Type: RESPONSE
Date: 07/31/2002
Action: Other Report / Document

Global Id: T0603703434
Action Type: ENFORCEMENT
Date: 06/28/2002
Action: Staff Letter

Global Id: T0603703434
Action Type: Other
Date: 12/08/1983
Action: Leak Reported

Global Id: T0603703434
Action Type: RESPONSE
Date: 10/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603703434
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

SHELL #204-0576-0503 (FORMER) (Continued) **S102436976**

Global Id:	T0603703434
Action Type:	RESPONSE
Date:	01/15/2006
Action:	Soil and Water Investigation Report
Global Id:	T0603703434
Action Type:	ENFORCEMENT
Date:	03/15/2001
Action:	13267 Requirement
Global Id:	T0603703434
Action Type:	RESPONSE
Date:	10/15/2004
Action:	Soil and Water Investigation Report
Global Id:	T0603703434
Action Type:	RESPONSE
Date:	10/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603703434
Action Type:	RESPONSE
Date:	03/19/2007
Action:	Request for Closure
Global Id:	T0603703434
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603703434
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Soil and Water Investigation Report
Global Id:	T0603703434
Action Type:	RESPONSE
Date:	01/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603703434
Action Type:	RESPONSE
Date:	01/15/2003
Action:	Soil and Water Investigation Report
Global Id:	T0603703434
Action Type:	RESPONSE
Date:	04/15/2003
Action:	Soil and Water Investigation Report
Global Id:	T0603703434
Action Type:	RESPONSE
Date:	10/15/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0603703434
Action Type:	RESPONSE

SHELL #204-0576-0503 (FORMER) (Continued) **S102436976**

Date: 10/15/2002
Action: Soil and Water Investigation Report

Global Id: T0603703434
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603703434
Action Type: Other
Date: 12/06/1983
Action: Leak Discovery

Global Id: T0603703434
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603703434
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603703434
Action Type: RESPONSE
Date: 07/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603703434
Action Type: RESPONSE
Date: 04/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603703434
Action Type: RESPONSE
Date: 01/15/2008
Action: Soil and Water Investigation Workplan

Global Id: T0603703434
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603703434
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603703434
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603703434
Action Type: RESPONSE
Date: 04/15/2006
Action: Soil and Water Investigation Report

SHELL #204-0576-0503 (FORMER) (Continued) **S102436976**

Global Id:	T0603703434
Action Type:	RESPONSE
Date:	07/15/2003
Action:	Monitoring Report - Quarterly

Global Id:	T0603703434
Action Type:	REMEDIATION
Date:	11/01/1983
Action:	Free Product Removal

Global Id:	T0603703434
Action Type:	REMEDIATION
Date:	08/20/2002
Action:	Pump & Treat (P&T) Groundwater

Global Id:	T0603703434
Action Type:	REMEDIATION
Date:	10/16/2002
Action:	Soil Vapor Extraction (SVE)

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-09497	
Status:	Remedial action (cleanup) Underway	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Remove Free Product
Global ID:	T0603703434	
W Global ID:	Not reported	
Staff:	JW	
Local Agency:	19000	
Cross Street:	FLORENCE AVE	
Enforcement Type:	LET	
Date Leak Discovered:	12/6/1983	
Date Leak First Reported:		12/8/1983
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	2/1/1984	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		7/15/2002
Date the Case was Closed:		Not reported
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		430.664900647898235160993619 68
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		7/1/1989
Preliminary Site Assessment Began:		7/1/1989
Pollution Characterization Began:		5/13/1998

SHELL #204-0576-0503 (FORMER) (Continued) **S102436976**

Remediation Plan Submitted:	1/9/2001
Remedial Action Underway:	3/15/2001
Post Remedial Action Monitoring Began:	12/8/1983
Enforcement Action Date:	3/15/2001
Historical Max MTBE Date:	1/1/1965
Hist Max MTBE Conc in Groundwater:	10300
Hist Max MTBE Conc in Soil:	260
Significant Interim Remedial Action Taken:	Yes
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	MENDOZA
RP Address:	8281 COMMONWEALTH AVE.
Program:	LUST
Lat/Long:	33.97045942 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	ACTIVE STATION; 5 STEEL USTS REMOVED 1984. FP REMOVAL 12/83-7/89. GW @ 23', GAGE @130', DEF: SAMPLING SEMI-ANNUAL, NOT SAMPLING ALL WELLS FOR MTBE, W-2,5 NOT SAMPLING ALL WELLS; 12/20/00 4QMR; 4/15/01 1ST QTR GW MON RPT

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-09497

63
WSW
1/4-1/2
0.447 mi.
2359 ft.

Relative:
Lower

Actual:
127 ft.

PETROCHEM MATERIALS INNOVATION LLC **SLIC S110371834**
4242 SANTA ANA STREET **NPDES N/A**
SOUTH GATE, CA 90280

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/08/2011
Global Id:	T10000000314
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.959285963222
Longitude:	-118.192344903946
Case Type:	Cleanup Program Site
Case Worker:	LC
Local Agency:	Not reported
RB Case Number:	0334A
File Location:	Regional Board
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Diesel
Site History:	Case Closed as of April 8, 2011. Further site closure information is included under Regulatory Activities Tab.

PETROCHEM MATERIALS INNOVATION LLC (Continued) **S110371834**

Click here to access the California GeoTracker records for this facility:

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	448593
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I024998
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	8/7/2014
PROCESSED DATE:	8/7/2014
STATUS CODE NAME:	Active
STATUS DATE:	8/7/2014
PLACE SIZE:	4
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Shell Halling
FACILITY CONTACT TITLE:	Plant Manager
FACILITY CONTACT PHONE:	760-603-0961
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	shellhalling@yahoo.com
OPERATOR NAME:	Petrochem Materials Innovation LLC
OPERATOR ADDRESS:	6168 Innovation Way
OPERATOR CITY:	Carlsbad
OPERATOR STATE:	California
OPERATOR ZIP:	92009
OPERATOR CONTACT NAME:	Frank Hoffman
OPERATOR CONTACT TITLE:	Contact
OPERATOR CONTACT PHONE:	760-603-0961
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported

PETROCHEM MATERIALS INNOVATION LLC (Continued) **S110371834**

CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Los Angeles River
CERTIFIER NAME:	Shell Halling
CERTIFIER TITLE:	Plant Engineer
CERTIFICATION DATE:	26-JUN-15
PRIMARY SIC:	2951-Asphalt Paving Mixtures and Blocks
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	448593
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I024998
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/07/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Petrochem Materials Innovation LLC
Discharge Address:	6168 Innovation Way
Discharge City:	Carlsbad
Discharge State:	California
Discharge Zip:	92009
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported

PETROCHEM MATERIALS INNOVATION LLC (Continued) **S110371834**

OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	405984
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I022758
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	8/7/2014
Discharge Name:	Not reported

PETROCHEM MATERIALS INNOVATION LLC (Continued) **S110371834**

Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	7/29/2010
PROCESSED DATE:	7/29/2010
STATUS CODE NAME:	Terminated
STATUS DATE:	10/2/2014
PLACE SIZE:	4
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Shell Halling
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	760-535-3121
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	South Gate Estate Holding
OPERATOR ADDRESS:	5205 Avenida Encinitas Ste K
OPERATOR CITY:	Carlsbad
OPERATOR STATE:	California
OPERATOR ZIP:	92008
OPERATOR CONTACT NAME:	Shell Halling
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	760-535-3121
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Los Angeles River
CERTIFIER NAME:	Shell Halling
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	30-JUL-12

PETROCHEM MATERIALS INNOVATION LLC (Continued) **S110371834**

PRIMARY SIC:	2951-Asphalt Paving Mixtures and Blocks
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Terminated
Agency Id:	0
Region:	4
Regulatory Measure Id:	405984
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I022758
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/29/2010
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	08/07/2014
Discharge Name:	South Gate Estate Holding
Discharge Address:	5205 Avenida Encinitas Ste K
Discharge City:	Carlsbad
Discharge State:	California
Discharge Zip:	92008
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported

PETROCHEM MATERIALS INNOVATION LLC (Continued) **S110371834**

CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

P64 **ON ATLANTIC, LLC** **SLIC S106387247**
South **8411 ATLANTIC** **ENF N/A**
1/4-1/2 **CUDAHY, CA**
0.452 mi.
2386 ft. **Site 1 of 5 in cluster P**

Relative:
Lower

Actual:
116 ft.

SLIC:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	09/29/2004
Global Id:	SL0603783105
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.9568876841813
Longitude:	-118.184909820557
Case Type:	Cleanup Program Site
Case Worker:	EPL
Local Agency:	Not reported
RB Case Number:	1148
File Location:	Regional Board
Potential Media Affected:	Other Groundwater (uses other than drinking water), Soil, Soil Vapor
Potential Contaminants of Concern:	Tetrachloroethylene (PCE), Trichloroethylene (TCE)
Site History:	Between 1955-1970 the site was occupied by General Inspection Laboratories who conducted non-destructive testing and inspection activities. Operations at the Site included the use of a sub-grade clarifier.

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:

Region:	4
Facility Status:	Site Assessment
SLIC:	1148
Substance:	TCE

ON ATLANTIC, LLC (Continued) **S106387247**

Staff: Not reported

ENF:

Region:	4
Facility Id:	246718
Agency Name:	On Atlantic LLC
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Unknown
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SLIC
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	4SLIC1148
Reg Measure Id:	150716
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported

ON ATLANTIC, LLC (Continued) **S106387247**

WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	256504
Region:	4
Order / Resolution Number:	13267 Letter
Enforcement Action Type:	13267 Letter
Effective Date:	04/20/2005
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	04/20/2005
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4SLIC1148
Description:	13267 Letter sent 4/20/05 for overdue investigation report.
Program:	SLIC
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

65
SE
1/4-1/2
0.453 mi.
2393 ft.

QUALITY DISTRIBUTION AKA UNIVAR USA **ENVIROSTOR** **S112165827**
5042 CECILA STREET **N/A**
CUDAHY, CA 90201

Relative:
Lower

Actual:
115 ft.

ENVIROSTOR:

Facility ID:	60001785
Status:	Active
Status Date:	09/29/2015
Site Code:	301571
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1.5
NPL:	NO
Regulatory Agencies:	SMBRP, US EPA
Lead Agency:	SMBRP,US EPA
Program Manager:	Patrick Movlay
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Assembly:	63
Senate:	33
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED

QUALITY DISTRIBUTION AKA UNIVAR USA (Continued) **S112165827**

Funding: EPA Grant
Latitude: 33.95743
Longitude: -118.1792
APN: 6224-032-011, 6224-032-018, 6224032011, 6224032017, 6224032018
Past Use: TRANSFER STATION, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS, TRANSPORTATION - WAREHOUSING
Potential COC: Under Investigation
Confirmed COC: NONE SPECIFIED
Potential Description: OTH
Alias Name: Qualawash
Alias Type: Alternate Name
Alias Name: Quality Carriers
Alias Type: Alternate Name
Alias Name: Winsome Enterprises
Alias Type: Alternate Name
Alias Name: 6224-032-011
Alias Type: APN
Alias Name: 6224-032-018
Alias Type: APN
Alias Name: 6224032011
Alias Type: APN
Alias Name: 6224032017
Alias Type: APN
Alias Name: 6224032018
Alias Type: APN
Alias Name: CAN000909573
Alias Type: CERCLIS ID
Alias Name: 301571
Alias Type: Project Code (Site Code)
Alias Name: 60001785
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Investigation
Completed Date: 11/01/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 09/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/21/2015
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported

QUALITY DISTRIBUTION AKA UNIVAR USA (Continued) **S112165827**

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

O66 **BRENNTAG PACIFIC INC** **SEMS** **1015730607**
SSW **4545 ARDINE STREET** **RCRA-LQG** **CAD008287732**
1/4-1/2 **SOUTH GATE, CA 90280** **ICIS**
0.461 mi. **FINDS**
2433 ft. **Site 2 of 4 in cluster O** **ECHO**

Relative:
Lower

Actual:
122 ft.

SEMS:
Site ID: 904831
EPA ID: CAD008287732
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: SI Ongoing

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0904831
EPA ID: CAD008287732
Facility County: LOS ANGELES
Short Name: LOS ANGELES CHEMICAL CO.
Congressional District: 29
IFMS ID: Not reported
SMSA Number: 4480
USGC Hydro Unit: 18070105
Federal Facility: Not a Federal Facility
DMNSN Number: 0.00000
Site Orphan Flag: N
RCRA ID: Not reported
USGS Quadrangle: Not reported
Site Init By Prog: Not reported
NFRAP Flag: Not reported
Parent ID: Not reported
RST Code: Not reported
EPA Region: 09
Classification: Not reported
Site Settings Code: Not reported
NPL Status: Not on the NPL
DMNSN Unit Code: Not reported
RBRAC Code: Not reported
RResp Fed Agency Code: Not reported
Non NPL Status: Other Cleanup Activity: State-Lead Cleanup
Non NPL Status Date: 11/28/00
Site Fips Code: 06037
CC Concurrence Date: / /
CC Concurrence FY: Not reported
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):
Contact ID: 13003854.00000
Contact Name: Leslie Ramirez
Contact Tel: (415) 972-3978
Contact Title: Site Assessment Manager (SAM)
Contact Email: Not reported

Contact ID: 13003858.00000

BRENNTAG PACIFIC INC (Continued) **1015730607**

Contact Name: Sharon Murray
Contact Tel: (415) 972-4250
Contact Title: Site Assessment Manager (SAM)
Contact Email: Not reported

Contact ID: 13004003.00000
Contact Name: Carl Brickner
Contact Tel: Not reported
Contact Title: Site Assessment Manager (SAM)
Contact Email: Not reported

Alias Comments: Not reported
Site Description: 1) RWQCB Lead Site - OCA 2)State lead, await results of GW characterization. 11/99: RWQCB is in control of the site. Ongong SVE and Pump and Treatment remediation. 5/02: Site has significant soil and groundwater contamination with VOCs. RWQCB is actively overseeing investigation and cleanup. 5/06: SSA OCA RWQCB MM 9/07: This site is a CA DTSC Lead site.

CERCLIS Assessment History:

Action Code: 001
Action: DISCOVERY
Date Started: / /
Date Completed: 05/14/93
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: SITE INSPECTION
Date Started: 09/29/94
Date Completed: 06/29/95
Priority Level: Higher priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 06/29/95
Priority Level: Higher priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001

BRENNTAG PACIFIC INC (Continued) **1015730607**

Action: EXPANDED SITE INSPECTION
Date Started: 09/21/95
Date Completed: 09/15/96
Priority Level: Recommended for HRS Scoring
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: SITE REASSESSMENT
Date Started: 09/26/01
Date Completed: 05/15/02
Priority Level: Higher priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: State, Fund Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 002
Action: SITE REASSESSMENT
Date Started: / /
Date Completed: 05/23/06
Priority Level: Higher priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

RCRA-LQG:
Date form received by agency: 05/16/2016
Facility name: BRENNTAG PACIFIC INC
Facility address: 4545 ARDINE ST
SOUTH GATE, CA 90280
EPA ID: CAD008287732
Mailing address: ARDINE ST
SOUTH GATE, CA 90280
Contact: VICTORIA MARENSI
Contact address: ARDINE ST
SOUTH GATE, CA 90280
Contact country: US
Contact telephone: (323) 832-5001
Contact email: VMARENSI@BREENTAG.COM
EPA Region: 09
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous

BRENNTAG PACIFIC INC (Continued) **1015730607**

waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	BREENTAG PACIFIC INC
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	08/24/2004
Owner/Op end date:	Not reported

Owner/operator name:	BRENNTAG PACIFIC, INC.
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	02/27/2004
Owner/Op end date:	Not reported

Owner/operator name:	BRENNTAG PACIFIC, INC.
Owner/operator address:	10747 PATTERSON PLACE
	SANTA FE SPRINGS, CA 90670
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	02/27/2004
Owner/Op end date:	Not reported

Owner/operator name:	BREENTAG PACIFIC ING
Owner/operator address:	PATTERSON PL
	SANTA FE SPRINGS, CA 90670
Owner/operator country:	US
Owner/operator telephone:	(562) 903-9626
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2005
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No

BRENNTAG PACIFIC INC (Continued) **1015730607**

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: E
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: No

. Waste code: 122
. Waste name: 122

. Waste code: 135
. Waste name: 135

. Waste code: 181
. Waste name: 181

. Waste code: 223
. Waste name: 223

. Waste code: 311
. Waste name: 311

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007

BRENNTAG PACIFIC INC (Continued) **1015730607**

. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

Historical Generators:
Date form received by agency: 03/01/2012
Site name: BRENNTAG PACIFIC, INC. SOUTH GATE
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

Date form received by agency: 06/15/2010
Site name: BRENNTAG PACIFIC, INC. SOUTH GATE
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: 122

. Waste code: 134
. Waste name: 134

. Waste code: 135
. Waste name: 135

. Waste code: 181
. Waste name: 181

. Waste code: 221
. Waste name: 221

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007

BRENNTAG PACIFIC INC (Continued) **1015730607**

. Waste name: CHROMIUM

Date form received by agency: 02/25/2008
Site name: BRENNTAG PACIFIC, INC.
Classification: Large Quantity Generator

. Waste code: D002
. Waste name: CORROSIVE WASTE

Date form received by agency: 08/16/2007
Site name: BRENNTAG PACIFIC INC
Classification: Large Quantity Generator

. Waste code: D002
. Waste name: CORROSIVE WASTE

Date form received by agency: 02/27/2006
Site name: LOS ANGELES CHEMICAL COMPANY
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: 122

. Waste code: 123
. Waste name: 123

. Waste code: 132
. Waste name: 132

. Waste code: 135
. Waste name: 135

. Waste code: 141
. Waste name: 141

. Waste code: 181
. Waste name: 181

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 551
. Waste name: 551

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007

BRENNTAG PACIFIC INC (Continued) **1015730607**

. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U080
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Date form received by agency: 02/27/2006
Site name: LOS ANGELES CHEMICAL COMPANY
Classification: Small Quantity Generator

Date form received by agency: 01/30/2004
Site name: LOS ANGELES CHEMICAL COMPANY
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

Date form received by agency: 12/08/2003
Site name: LOS ANGELES CHEMICAL CO
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

Date form received by agency: 02/19/2002
Site name: LOS ANGELES CHEMICAL
Classification: Large Quantity Generator

. Waste code: 181
. Waste name: 181

. Waste code: 214
. Waste name: 214

. Waste code: 551
. Waste name: 551

. Waste code: D001
. Waste name: IGNITABLE WASTE

BRENNTAG PACIFIC INC (Continued) **1015730607**

. Waste code: U012
. Waste name: ANILINE (I,T) (OR) BENZENAMINE (I,T)

Date form received by agency: 07/12/2001
Site name: LOS ANGELES CHEMICAL COMPANY
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

Date form received by agency: 09/01/1996
Site name: LOS ANGELES CHEMICAL COMPANY
Classification: Large Quantity Generator

Date form received by agency: 04/09/1990
Site name: LOS ANGELES CHEMICAL COMPANY
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 5675

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 20365

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 2926

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 10/20/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

BRENNTAG PACIFIC INC (Continued) **1015730607**

Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 06/29/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/21/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

ICIS:
Enforcement Action ID: 09-2005-0112
FRS ID: 110000474923
Action Name: Los Angeles Chemical
Facility Name: LOS ANGELES CHEMICAL COMPANY
Facility Address: 4545 ARDINE STREET
SOUTH GATE, CA 90280
Enforcement Action Type: FIFRA 14A Action For Penalty
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 14A
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.95743
Longitude in Decimal Degrees: -118.188654
Permit Type Desc: Not reported
Program System Acronym: 7426509
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: BRENNTAG PACIFIC INC
Address: 4545 ARDINE STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: BRENNTAG PACIFIC INC
Address: 4545 ARDINE STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: BRENNTAG PACIFIC INC
Address: 4545 ARDINE STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

BRENNTAG PACIFIC INC (Continued) **1015730607**

Facility Name: BRENNTAG PACIFIC INC
Address: 4545 ARDINE STREET
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Fed Facility: No
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Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: BRENNTAG PACIFIC INC

BRENNTAG PACIFIC INC (Continued) **1015730607**

Address: 4545 ARDINE STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: BRENNTAG PACIFIC INC
Address: 4545 ARDINE STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

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Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

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Address: 4545 ARDINE STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
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Fed Facility: No
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Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

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Address: 4545 ARDINE STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

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Address: 4545 ARDINE STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: BRENNTAG PACIFIC INC
Address: 4545 ARDINE STREET

BRENNTAG PACIFIC INC (Continued) **1015730607**

Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: BRENNTAG PACIFIC INC
Address: 4545 ARDINE STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: BRENNTAG PACIFIC INC
Address: 4545 ARDINE STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

FINDS:

Registry ID: 110000474923

Environmental Interest/Information System

California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. The EnviroStor 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.

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

TSCA SUBMITTER

AIR EMISSIONS CLASSIFICATION UNKNOWN

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

HAZARDOUS AIR POLLUTANT MAJOR

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

BRENNTAG PACIFIC INC (Continued) **1015730607**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

SUPERFUND (NON-NPL)

HAZARDOUS WASTE BIENNIAL REPORTER

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

SSTS (Section Seven Tracking System) evolved from the FIFRA and TSCA Enforcement System (FATES). SSTS tracks the registration of all pesticide-producing establishments and tracks annually the types and amounts of pesticides, active ingredients, and related devices that are produced, sold, or distributed each year.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1015730607
Registry ID:	110000474923
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110000474923

O67 **LOS ANGELES CHEMICAL CO** **ENVIROSTOR** **1005930212**
SSW **4545 ARDINE ST** **SLIC** **N/A**
1/4-1/2 **SOUTH GATE, CA 90280** **TSCA**
0.461 mi. **HAZNET**
2433 ft. **Site 3 of 4 in cluster O**

Relative:
Lower

Actual:
122 ft.

ENVIROSTOR:

Facility ID:	60001972
Status:	Active
Status Date:	12/12/2014
Site Code:	301652
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	6
NPL:	NO
Regulatory Agencies:	SMBRP

LOS ANGELES CHEMICAL CO (Continued) **1005930212**

Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Assembly: 63
Senate: 33
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.95787
Longitude: -118.1899
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: Los Angeles Chemical Company
Alias Type: Alternate Name
Alias Name: 301652
Alias Type: Project Code (Site Code)
Alias Name: 60001972
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Investigation
Completed Date: 11/01/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/21/2015
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SLIC REG 4:
Region: 4
Facility Status: Remediation
SLIC: 0405
Substance: VOCs
Staff: RE

Click this hyperlink while viewing on your computer to access additional TSCA detail in the EDR Site Report.

LOS ANGELES CHEMICAL CO (Continued) **1005930212**

HAZNET:

envid:	1005930212
Year:	2015
GEPAID:	CAP000251777
Contact:	FRANK AVALOS
Telephone:	3238325024
Mailing Name:	Not reported
Mailing Address:	100 BAYER RD
Mailing City,St,Zip:	PITTSBURGH, PA 152050000
Gen County:	Los Angeles
TSD EPA ID:	NED981723513
TSD County:	99
Waste Category:	Liquids with pH <= 2
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	4.3368
Cat Decode:	Liquids with pH <= 2
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

envid:	1005930212
Year:	2013
GEPAID:	CAC002744881
Contact:	FRANK AVALOS
Telephone:	3235959241
Mailing Name:	Not reported
Mailing Address:	4545 ARDINE ST
Mailing City,St,Zip:	SOUTH GATE, CA 902802534
Gen County:	Los Angeles
TSD EPA ID:	NED981723513
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.7
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Not reported

O68 **BRENNTAG PACIFIC INC** **ENVIROSTOR** **1000102033**
SSW **4545 ARDINE STREET** **LUST** **N/A**
1/4-1/2 **SOUTH GATE, CA 90280** **SLIC**
0.461 mi. **VCP**
2433 ft. **Site 4 of 4 in cluster O** **SWEEPS UST**
HIST UST
Relative: **CHMIRS**
Lower **FTTS**
HIST FTTS
Actual: **EMI**
122 ft. **HIST CORTESE**
NPDES
WDS

ENVIROSTOR:

Facility ID:	60000330
Status:	Active
Status Date:	05/02/2006

BRENNTAG PACIFIC INC (Continued) **1000102033**

Site Code: 301287
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 6
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Manjul Bose
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Assembly: 63
Senate: 33
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.95786
Longitude: -118.1885
APN: 6215002007, 6215002008, 6215002021, 6215002022
Past Use: DISTRIBUTOR - CHEMICAL
Potential COC: Arsenic Lead Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC: 30022-NO Trichloroethylene (TCE Arsenic Lead
Potential Description: OTH, SOIL
Alias Name: 6215002007
Alias Type: APN
Alias Name: 6215002008
Alias Type: APN
Alias Name: 6215002021
Alias Type: APN
Alias Name: 6215002022
Alias Type: APN
Alias Name: 110000474923
Alias Type: EPA (FRS #)
Alias Name: SL204671639
Alias Type: GeoTracker Global ID
Alias Name: T0603701321
Alias Type: GeoTracker Global ID
Alias Name: 301287
Alias Type: Project Code (Site Code)
Alias Name: 60000330
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/02/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 12/31/2008
Comments: VCA signed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan

BRENNTAG PACIFIC INC (Continued) **1000102033**

Completed Date: 04/20/2007
Comments: RI Work plan was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/08/2007
Comments: Soil, Soil Gas and GRound Water investigation field work was implemented according to the approved workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/04/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 11/07/2007
Comments: RI Results were reviewed , Datagaps were discussed on a phone conference between Arcadis and DTSC. Arcadis will submit a supplemental investigation workplan with the locations covering the locations discussed to fillup the Data Gaps.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/11/2008
Comments: letter with comments was sent out.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/07/2011
Comments: fieldwork completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 01/07/2013
Comments: Report was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/24/2012
Comments: review completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/10/2013
Comments: uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

BRENNTAG PACIFIC INC (Continued) **1000102033**

Completed Document Type: Monitoring Report
Completed Date: 10/10/2013
Comments: uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/10/2013
Comments: uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/10/2013
Comments: uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/10/2013
Comments: uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/10/2013
Comments: uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/10/2013
Comments: uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 01/08/2013
Comments: Approved by Email by P.Acharya

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 06/25/2015
Comments: Workplan Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/28/2014
Comments: Received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/19/2016
Comments: Not reported

BRENNTAG PACIFIC INC (Continued) **1000102033**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 12/31/2008
Comments: document was not on EStor, uploaded

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Investigation Report
Schedule Due Date: 09/13/2017
Schedule Revised Date: 05/26/2018
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Site Characterization Report
Schedule Due Date: 02/13/2017
Schedule Revised Date: 06/14/2017

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 902800034
Status: Remedial action (cleanup) Underway
Substance: Solvents
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701321
W Global ID: Not reported
Staff: SLC
Local Agency: 19000
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 4/24/1985
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 1/18/1995
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: MILLER, MICHAEL J.
Water System: Not reported

BRENNTAG PACIFIC INC (Continued) **1000102033**

Well Name:	Not reported
Approx. Dist To Production Well (ft):	1141.045114018649656953080397 3
Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	4/27/1988
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	10/24/1998
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Yes
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	LOS ANGELES CHEMICAL CO.
RP Address:	4545 ARDINE ST, SOUTH GATE, CA 90280
Program:	SLIC
Lat/Long:	33.9575115 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	2
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	CONTAMINATION WAS REPORTED TO RWQCB BY OWNER. ADDITIONAL SA WORK COMPLETED. USTCF REJECTED REIMBURSEMENT CLAIM 1-8-95. REFER TO SLIC #405

SLIC:

Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	01/29/2015
Global Id:	SL204671639
Lead Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number:	60000330
Latitude:	33.957714
Longitude:	-118.190951
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0405
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Aviation
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

VCP:

Facility ID:	60000330
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup

BRENNTAG PACIFIC INC (Continued) **1000102033**

Site Mgmt. Req.:	NONE SPECIFIED
Acres:	6
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Manjul Bose
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Site Code:	301287
Assembly:	63
Senate:	33
Special Programs Code:	Voluntary Cleanup Program
Status:	Active
Status Date:	05/02/2006
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.95786 / -118.1885
APN:	6215002007, 6215002008, 6215002021, 6215002022
Past Use:	DISTRIBUTOR - CHEMICAL
Potential COC:	30001, 30013, 30022, 30027
Confirmed COC:	30022-NO,30027,30001,30013
Potential Description:	OTH, SOIL
Alias Name:	6215002007
Alias Type:	APN
Alias Name:	6215002008
Alias Type:	APN
Alias Name:	6215002021
Alias Type:	APN
Alias Name:	6215002022
Alias Type:	APN
Alias Name:	110000474923
Alias Type:	EPA (FRS #)
Alias Name:	SL204671639
Alias Type:	GeoTracker Global ID
Alias Name:	T0603701321
Alias Type:	GeoTracker Global ID
Alias Name:	301287
Alias Type:	Project Code (Site Code)
Alias Name:	60000330
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	02/02/2015
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	12/31/2008
Comments:	VCA signed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan

BRENNTAG PACIFIC INC (Continued) **1000102033**

Completed Date: 04/20/2007
Comments: RI Work plan was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/08/2007
Comments: Soil, Soil Gas and GRound Water investigation field work was implemented according to the approved workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/04/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 11/07/2007
Comments: RI Results were reviewed , Datagaps were discussed on a phone conference between Arcadis and DTSC. Arcadis will submit a supplemental investigation workplan with the locations covering the locations discussed to fillup the Data Gaps.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/11/2008
Comments: letter with comments was sent out.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/07/2011
Comments: fieldwork completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 01/07/2013
Comments: Report was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/24/2012
Comments: review completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/10/2013
Comments: uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

BRENNTAG PACIFIC INC (Continued) **1000102033**

Completed Document Type: Monitoring Report
Completed Date: 10/10/2013
Comments: uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/10/2013
Comments: uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/10/2013
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Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 01/08/2013
Comments: Approved by Email by P.Acharya

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Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 06/25/2015
Comments: Workplan Approved.

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Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/28/2014
Comments: Received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/19/2016
Comments: Not reported

BRENNTAG PACIFIC INC (Continued) **1000102033**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 12/31/2008
Comments: document was not on EStor, uploaded

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Investigation Report
Schedule Due Date: 09/13/2017
Schedule Revised Date: 05/26/2018
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Site Characterization Report
Schedule Due Date: 02/13/2017
Schedule Revised Date: 06/14/2017

SWEEPS UST:
Status: Active
Comp Number: 9243
Number: 9
Board Of Equalization: 44-008375
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009243-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 7

Status: Active
Comp Number: 9243
Number: 9
Board Of Equalization: 44-008375
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009243-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89

BRENNTAG PACIFIC INC (Continued) **1000102033**

Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 9243
Number: 9
Board Of Equalization: 44-008375
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009243-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 9243
Number: 9
Board Of Equalization: 44-008375
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009243-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 9243
Number: 9
Board Of Equalization: 44-008375
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009243-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active

BRENNTAG PACIFIC INC (Continued) **1000102033**

Comp Number: 9243
Number: 9
Board Of Equalization: 44-008375
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009243-000006
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 9243
Number: 9
Board Of Equalization: 44-008375
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009243-000007
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000007810
Facility Type: Other
Other Type: CHEMICAL MFG.
Contact Name: Not reported
Telephone: 2135834761
Owner Name: LOS ANGELES CHEMICAL COMPANY
Owner Address: 4545 ARDINE STREET
Owner City,St,Zip: SOUTH GATE, CA 90280
Total Tanks: 0012

Tank Num: 001
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002

BRENNTAG PACIFIC INC (Continued) **1000102033**

Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	005
Container Num:	5
Year Installed:	Not reported
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	006
Container Num:	6
Year Installed:	Not reported
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	007
Container Num:	7
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	008
Container Num:	8
Year Installed:	Not reported
Tank Capacity:	00019000

BRENNTAG PACIFIC INC (Continued) **1000102033**

Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 009
Container Num: 9
Year Installed: Not reported
Tank Capacity: 00004800
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 010
Container Num: 10
Year Installed: Not reported
Tank Capacity: 00000940
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 011
Container Num: 11
Year Installed: Not reported
Tank Capacity: 00004800
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 012
Container Num: 12
Year Installed: Not reported
Tank Capacity: 00001250
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

CHMIRS:
OES Incident Number: 3-2644
OES notification: 05/22/2003
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported

BRENNTAG PACIFIC INC (Continued) **1000102033**

Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	storm drain
Spill Site:	Not reported
Cleanup By:	Foss
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	LA Chemical Co.
Incident Date:	5/22/200312:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Glycolic acid 70%
Gallons:	250
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A tote container ruptured and the contents spilled on site triggering a sump pump. The sump pump caused some of the substance to spill to the street and enter the storm drain.

FTTS INSP:
Inspection Number: 200312054352 3

BRENNTAG PACIFIC INC (Continued) **1000102033**

Region: 09
Inspection Date: 12/05/03
Inspector: AMEHRABAN
Violation occurred: Yes
Investigation Type: General Product Review
Investigation Reason: Neutral Scheme, Associated
Legislation Code: FIFRA
Facility Function: Producer

HIST FTTS INSP:
Inspection Number: 200312054352 3
Region: 09
Inspection Date: Not reported
Inspector: AMEHRABAN
Violation occurred: Yes
Investigation Type: General Product Review
Investigation Reason: Neutral Scheme, Associated
Legislation Code: FIFRA
Facility Function: Producer

EMI:
Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 19441
Air District Name: SC
SIC Code: 2869
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 2
Part. Matter 10 Micrometers and Smllr Tons/Yr: 2

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 19441
Air District Name: SC
SIC Code: 5169
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 2
Part. Matter 10 Micrometers and Smllr Tons/Yr: 2

BRENNTAG PACIFIC INC (Continued) **1000102033**

Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	19441
Air District Name:	SC
SIC Code:	5169
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

Year:	2005
County Code:	19
Air Basin:	SC
Facility ID:	19441
Air District Name:	SC
SIC Code:	5169
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.09075
Reactive Organic Gases Tons/Yr:	.062345551
Carbon Monoxide Emissions Tons/Yr:	.135
NOX - Oxides of Nitrogen Tons/Yr:	.2252
SOX - Oxides of Sulphur Tons/Yr:	.033895
Particulate Matter Tons/Yr:	.02602
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.01907

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	902800034

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	326912
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I020944
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported

BRENNTAG PACIFIC INC (Continued) **1000102033**

Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	6/28/2007
STATUS CODE NAME:	Active
STATUS DATE:	12/22/2015
PLACE SIZE:	11.5
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Victoria Marensi
FACILITY CONTACT TITLE:	SRQ Manager
FACILITY CONTACT PHONE:	562-903-9626
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	vmarensi@brenntag.com
OPERATOR NAME:	Brenntag Pacific Inc
OPERATOR ADDRESS:	4545 Ardine st
OPERATOR CITY:	South Gate
OPERATOR STATE:	California
OPERATOR ZIP:	90280
OPERATOR CONTACT NAME:	Victoria Marensi
OPERATOR CONTACT TITLE:	SRQ Manager
OPERATOR CONTACT PHONE:	562-903-9626
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	vmarensi@brenntag.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Los Angeles River
CERTIFIER NAME:	Victoria Marensi
CERTIFIER TITLE:	SRQ Manager
CERTIFICATION DATE:	03-APR-15

BRENNTAG PACIFIC INC (Continued) **1000102033**

PRIMARY SIC:	2899-Chemicals and Chemical Preparations, NEC
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	326912
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I020944
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/28/2007
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Brenntag Pacific Inc
Discharge Address:	4545 Ardine st
Discharge City:	South Gate
Discharge State:	California
Discharge Zip:	90280
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported

BRENNTAG PACIFIC INC (Continued) **1000102033**

CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

WDS:

Facility ID:	4 19I006493
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	3235629500
Facility Contact:	Chris Johnson
Agency Name:	L.A. CHEMICAL COMPANY
Agency Address:	4545 Ardine Street
Agency City,St,Zip:	South Gate 90280
Agency Contact:	David Miller
Agency Telephone:	3235629500
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher

BRENNTAG PACIFIC INC (Continued) **1000102033**

Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

P69 **I-710 CORRIDOR DISCOVERY PROJECT** **ENVIROSTOR** **S117333355**
South **NORTHERN I-710 CORRIDOR** **N/A**
1/4-1/2 **LOS ANGELES COUNTY - MULTIPLE, CA 90201**
0.463 mi.
2444 ft. **Site 2 of 5 in cluster P**

Relative:
Lower

Actual:
116 ft.

ENVIROSTOR:

Facility ID:	60002108
Status:	Active
Status Date:	09/02/2014
Site Code:	301691
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	2700
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Patrick Movlay
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Assembly:	63
Senate:	33
Special Program:	EPA - Target Site Investigation
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.95706
Longitude:	-118.1844
APN:	NONE SPECIFIED
Past Use:	DEGREASING FACILITY, DISTRIBUTOR - CHEMICAL, ENGINE TESTING/REPAIR, EQUIPMENT/INSTRUMENT REPAIR, TRANSFER STATION, HAZARDOUS WASTE HAULER, LABORATORIES- UNSPECIFIED, PAINT MANUFACTURING
Potential COC:	Arsenic Total Chromium (1:6 ratio Cr VI:Cr III Lead Tetrachloroethylene (PCE Trichloroethylene (TCE Chromium III Chromium VI
Confirmed COC:	Arsenic Total Chromium (1:6 ratio Cr VI:Cr III Lead Tetrachloroethylene (PCE Chromium III Chromium VI Trichloroethylene (TCE
Potential Description:	AQUI, SOIL
Alias Name:	301691
Alias Type:	Project Code (Site Code)
Alias Name:	60002108
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported

I-710 CORRIDOR DISCOVERY PROJECT (Continued) **S117333355**

Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Q70 **W.R. GRACE & COMPANY** **LUST S104404940**
WSW **4244 SANTA ANA ST** **SLIC N/A**
1/4-1/2 **SOUTH GATE, CA 90280** **HIST CORTESE**
0.465 mi.
2457 ft. **Site 1 of 2 in cluster Q**

Relative:
Lower

Actual:
126 ft.

LUST:
Region: STATE
Global Id: T0603704237
Latitude: 33.96073
Longitude: -118.192585
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 10/29/1990
Lead Agency: LOS ANGELES COUNTY
Case Worker: JOA
Local Agency: LOS ANGELES COUNTY
RB Case Number: I-14966
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603704237
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704237
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

W.R. GRACE & COMPANY (Continued) **S104404940**

Status History:
Global Id: T0603704237
Status: Completed - Case Closed
Status Date: 10/29/1990

Global Id: T0603704237
Status: Open - Case Begin Date
Status Date: 03/06/1990

Global Id: T0603704237
Status: Open - Site Assessment
Status Date: 03/06/1990

Regulatory Activities:
Global Id: T0603704237
Action Type: Other
Date: 03/06/1990
Action: Leak Reported

Region: STATE
Global Id: T10000002638
Latitude: 33.9602403615858
Longitude: -118.192779421806
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/15/2010
Lead Agency: LOS ANGELES COUNTY
Case Worker: PGT
Local Agency: LOS ANGELES COUNTY
RB Case Number: Not reported
LOC Case Number: 014383-021657
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Benzene, Other Solvent or Non-Petroleum Hydrocarbon, Toluene, Xylene
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T10000002638
Contact Type: Local Agency Caseworker
Contact Name: PHILLIP GHARIBIANS-TABRIZI
Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA
Email: pgharibians@dpw.lacounty.gov
Phone Number: Not reported

Status History:
Global Id: T10000002638
Status: Completed - Case Closed
Status Date: 11/15/2010

Global Id: T10000002638
Status: Open - Case Begin Date

W.R. GRACE & COMPANY (Continued) **S104404940**

Status Date: 05/29/2009

Global Id: T10000002638
Status: Open - Inactive
Status Date: 11/15/2010

Regulatory Activities:
Global Id: T10000002638
Action Type: Other
Date: 05/29/2009
Action: Leak Discovery

Global Id: T10000002638
Action Type: Other
Date: 05/29/2009
Action: Leak Stopped

Global Id: T10000002638
Action Type: ENFORCEMENT
Date: 03/31/2011
Action: Closure/No Further Action Letter

Region: STATE
Global Id: T0603757913
Latitude: 33.960707
Longitude: -118.192592
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/19/2007
Lead Agency: LOS ANGELES COUNTY
Case Worker: MRR
Local Agency: LOS ANGELES COUNTY
RB Case Number: Not reported
LOC Case Number: 014383-021657
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline, Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603757913
Contact Type: Local Agency Caseworker
Contact Name: MANUEL R REGALADO
Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA
Email: mregalad@dpw.lacounty.gov
Phone Number: Not reported

Global Id: T0603757913
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200

W.R. GRACE & COMPANY (Continued) **S104404940**

City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0603757913
Status: Completed - Case Closed
Status Date: 04/19/2007

Global Id: T0603757913
Status: Open - Case Begin Date
Status Date: 01/13/2005

Global Id: T0603757913
Status: Open - Site Assessment
Status Date: 10/11/2006

Regulatory Activities:
Global Id: T0603757913
Action Type: Other
Date: 02/10/2005
Action: Leak Reported

Global Id: T0603757913
Action Type: Other
Date: 01/13/2005
Action: Leak Discovery

Global Id: T0603757913
Action Type: REMEDIATION
Date: 10/11/2006
Action: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 06/16/1965
Global Id: SLT4308684
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.942489228212
Longitude: -118.192636220575
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0148
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:

W.R. GRACE & COMPANY (Continued) **S104404940**

Region: 4
Facility Status: No further action required
SLIC: 0148
Substance: TPH
Staff: Manjulika Chakarbarti

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-14966

Q71 **W.R. GRACE & COMPANY** **LUST S101539938**
WSW **4244 SANTA ANA ST** **EMI N/A**
1/4-1/2 **SOUTH GATE, CA 90280**
0.465 mi.
2457 ft. **Site 2 of 2 in cluster Q**

Relative:
Lower

Actual:
126 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-14966	
Status:	Case Closed	
Substance:	Diesel	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704237	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		3/6/1990
Date Leak Record Entered:	2/26/1990	
Date Confirmation Began:	3/6/1990	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		10/29/1990
Date the Case was Closed:		10/29/1990
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		229.648562748309297026248905 01
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported

W.R. GRACE & COMPANY (Continued) **S101539938**

Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: W.R. GRACE & COMPANY
RP Address: 4244 SANTA ANA STREET, SOUTHGATE, 90280
Program: LUST
Lat/Long: 33.9616085 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 12829
Air District Name: SC
SIC Code: 2819
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 8
SOX - Oxides of Sulphur Tons/Yr: 6
Particulate Matter Tons/Yr: 6
Part. Matter 10 Micrometers and Smllr Tons/Yr: 5

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 12829
Air District Name: SC
SIC Code: 28
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

R72 **UNITED STATES GYPSUM CO#** **SEMS** **1015730608**
SSW **4500 ARDINE ST** **RCRA-SQG** **CAD008323073**
1/4-1/2 **SOUTH GATE, CA 90280** **FINDS**
0.468 mi. **HAZNET**
2472 ft. **Site 1 of 2 in cluster R**

Relative:
Lower

Actual:
121 ft.

SEMS:

Site ID:	906120
EPA ID:	CAD008323073
Federal Facility:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID:	0906120
EPA ID:	CAD008323073
Facility County:	LOS ANGELES
Short Name:	UNITED STATES GYPSUM CO.
Congressional District:	Not reported
IFMS ID:	Not reported
SMSA Number:	Not reported
USGC Hydro Unit:	Not reported
Federal Facility:	Not a Federal Facility
DMNSN Number:	0.00000
Site Orphan Flag:	Not reported
RCRA ID:	Not reported
USGS Quadrangle:	Not reported
Site Init By Prog:	S
NFRAP Flag:	Not reported
Parent ID:	Not reported
RST Code:	Not reported
EPA Region:	09
Classification:	Not reported
Site Settings Code:	Not reported
NPL Status:	Not on the NPL
DMNSN Unit Code:	Not reported
RBRAC Code:	Not reported
RResp Fed Agency Code:	Not reported
Non NPL Status:	PA Start Needed
Non NPL Status Date:	01/12/05
Site Fips Code:	06037
CC Concurrence Date:	/ /
CC Concurrence FY:	Not reported
Alias EPA ID:	Not reported
Site FUDS Flag:	Not reported

CERCLIS Site Contact Name(s):

Contact ID:	13003854.00000
Contact Name:	Leslie Ramirez
Contact Tel:	(415) 972-3978
Contact Title:	Site Assessment Manager (SAM)
Contact Email:	Not reported

Contact ID:	13003858.00000
Contact Name:	Sharon Murray
Contact Tel:	(415) 972-4250
Contact Title:	Site Assessment Manager (SAM)
Contact Email:	Not reported

UNITED STATES GYPSUM CO# (Continued) **1015730608**

Contact ID: 13004003.00000
Contact Name: Carl Brickner
Contact Tel: Not reported
Contact Title: Site Assessment Manager (SAM)
Contact Email: Not reported

Alias Comments: Not reported
Site Description: Not reported

CERCLIS Assessment History:

Action Code: 001
Action: PRE-CERCLIS SCREENING
Date Started: / /
Date Completed: 01/12/05
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: DISCOVERY
Date Started: / /
Date Completed: 01/12/05
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: UNITED STATES GYPSUM CO#
Facility address: 4500 ARDINE ST
SOUTH GATE, CA 90280
EPA ID: CAD008323073
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED

UNITED STATES GYPSUM CO# (Continued) **1015730608**

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: UNITED STATES GYPSUM CO
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 08/19/1980
Site name: UNITED STATES GYPSUM CO#
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110055785850

Environmental Interest/Information System
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

HAZNET:
envid: 1015730608

UNITED STATES GYPSUM CO# (Continued) **1015730608**

Year:	2011
GEPAID:	CAD008323073
Contact:	PETER WARDENSKI, OPTNS MANAGER
Telephone:	3102245570
Mailing Name:	Not reported
Mailing Address:	4500 ARDINE ST
Mailing City,St,Zip:	SOUTH GATE, CA 902802535
Gen County:	Not reported
TSD EPA ID:	TXD077603371
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.04
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1015730608
Year:	2011
GEPAID:	CAD008323073
Contact:	PETER WARDENSKI, OPTNS MANAGER
Telephone:	3102245570
Mailing Name:	Not reported
Mailing Address:	4500 ARDINE ST
Mailing City,St,Zip:	SOUTH GATE, CA 902802535
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.48
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1015730608
Year:	2011
GEPAID:	CAD008323073
Contact:	PETER WARDENSKI, OPTNS MANAGER
Telephone:	3102245570
Mailing Name:	Not reported
Mailing Address:	4500 ARDINE ST
Mailing City,St,Zip:	SOUTH GATE, CA 902802535
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Oil/water separation sludge
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	86.59005
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1015730608
Year:	2011

UNITED STATES GYPSUM CO# (Continued) **1015730608**

GEPAID:	CAD008323073
Contact:	PETER WARDENSKI, OPTNS MANAGER
Telephone:	3102245570
Mailing Name:	Not reported
Mailing Address:	4500 ARDINE ST
Mailing City,St,Zip:	SOUTH GATE, CA 902802535
Gen County:	Not reported
TSD EPA ID:	CAT000613893
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.45
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1015730608
Year:	2011
GEPAID:	CAD008323073
Contact:	PETER WARDENSKI, OPTNS MANAGER
Telephone:	3102245570
Mailing Name:	Not reported
Mailing Address:	4500 ARDINE ST
Mailing City,St,Zip:	SOUTH GATE, CA 902802535
Gen County:	Not reported
TSD EPA ID:	TXD077603371
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus inorganics
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.21
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access
60 additional CA_HAZNET: record(s) in the EDR Site Report.

R73 **UNITED STATES GYPSUM CO.** **ENVIROSTOR** **S117038722**
SSW **4500 ARDINE STREET** **N/A**
1/4-1/2 **SOUTH GATE, CA 90280**
0.468 mi.
2472 ft. **Site 2 of 2 in cluster R**

Relative:
Lower

Actual:
121 ft.

ENVIROSTOR:

Facility ID:	60002083
Status:	Inactive - Needs Evaluation
Status Date:	08/31/2014
Site Code:	301684
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Narine Aghakiant
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth

UNITED STATES GYPSUM CO. (Continued) **S117038722**

Assembly: 63
Senate: Not reported
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.95735
Longitude: -118.1894
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 301684
Alias Type: Project Code (Site Code)
Alias Name: 60002083
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Reassessment
Completed Date: 11/21/2014
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

P74 **GENERAL INSPECTION LABS INC** **SEMS** **1000213826**
South **8427 ATLANTIC AVE** **RCRA-LQG** **CAD027897164**
1/4-1/2 **CUDAHY, CA 90201** **CHMIRS**
0.472 mi. **FINDS**
2493 ft. **Site 3 of 5 in cluster P** **ECHO**
EMI
Relative: **LOS ANGELES CO. HMS**
Lower **WDS**

Actual: **116 ft.**

SEMS:
Site ID: 900164
EPA ID: CAD027897164
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: SI Ongoing

RCRA-LQG:
Date form received by agency: 07/26/2016
Facility name: MISTRAS GROUP (SERVICES)
Facility address: 8427 ATLANTIC AVE
CUDAHY, CA 90201
EPA ID: CAD027897164
Mailing address: ATLANTIC AVE

GENERAL INSPECTION LABS INC (Continued) **1000213826**

CUDAHY, CA 90201
Contact: WILLIAM B BYRD
Contact address: ATLANTIC AVE
CUDAHY, CA 90201
Contact country: US
Contact telephone: (323) 583-1653
Telephone ext.: 224
Contact email: WILLIAM.BYRD@MISTRASGROUP.COM
EPA Region: 09
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: MISTRAS GROUP
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2010
Owner/Op end date: Not reported

Owner/operator name: MISTRAS GROUP
Owner/operator address: ATLANTIC AVE
CUDAHY, CA 90201
Owner/operator country: US
Owner/operator telephone: (323) 583-1653
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2010
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No

GENERAL INSPECTION LABS INC (Continued) **1000213826**

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 171
. Waste name: 171

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 221
. Waste name: 221

. Waste code: 343
. Waste name: 343

. Waste code: 351
. Waste name: 351

. Waste code: 352
. Waste name: 352

. Waste code: 741
. Waste name: 741

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL

GENERAL INSPECTION LABS INC (Continued) **1000213826**

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:
Date form received by agency: 03/01/2014
Site name: MISTRAS GROUP (SERVICES 587 DIVISION)
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

Date form received by agency: 03/02/2012
Site name: GENERAL TESTING AND INSPECTION INC.
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 06/13/2011
Site name: GENERAL TESTING & INSPECTION INC
Classification: Large Quantity Generator

. Waste code: 135
. Waste name: 135

. Waste code: 141
. Waste name: 141

. Waste code: 214
. Waste name: 214

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

GENERAL INSPECTION LABS INC (Continued) **1000213826**

Date form received by agency: 04/01/2010
Site name: GENERAL TESTING & INSPECTION, INC.
Classification: Large Quantity Generator

. Waste code: 135
. Waste name: 135

. Waste code: 141
. Waste name: 141

. Waste code: 214
. Waste name: 214

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

Date form received by agency: 04/08/2005
Site name: GENERAL TESTING AND INSPECTION
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT

GENERAL INSPECTION LABS INC (Continued) **1000213826**

FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Date form received by agency: 02/28/2002
Site name: GENERAL INSPECTION LABS
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: GENERAL INSPECT LAB
Classification: Small Quantity Generator

Date form received by agency: 08/14/1991
Site name: GENERAL INSPECT LAB
Classification: Large Quantity Generator

Date form received by agency: 06/30/1980
Site name: GENERAL INSPECT LAB
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 500

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 176075

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Universal Waste - Small Quantity Handlers
Date violation determined: 10/29/2014
Date achieved compliance: 11/19/2014
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported

GENERAL INSPECTION LABS INC (Continued) **1000213826**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/29/2014
Date achieved compliance: 11/19/2014
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 10/29/2014
Date achieved compliance: 11/19/2014
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 10/29/2014
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/19/2014
Evaluation lead agency: EPA

Evaluation date: 10/29/2014
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Universal Waste - Small Quantity Handlers
Date achieved compliance: 11/19/2014
Evaluation lead agency: EPA

Evaluation date: 10/29/2014
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 11/19/2014
Evaluation lead agency: EPA

Evaluation date: 09/09/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

GENERAL INSPECTION LABS INC (Continued) **1000213826**

Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

CHMIRS:

OES Incident Number:	14097
OES notification:	Not reported
OES Date:	6/7/1996
OES Time:	07:31:14 AM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	storm drain
Spill Site:	Not reported
Cleanup By:	co public works
Containment:	Not reported
What Happened:	Not reported
Type:	SEWAGE
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1996
Agency:	co public works
Incident Date:	1400/6-6-96
Admin Agency:	Not reported
Amount:	800 gallons
Contained:	YES
Site Type:	RD
E Date:	Not reported
Substance:	sewage
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO

GENERAL INSPECTION LABS INC (Continued) **1000213826**

#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	grease stoppage caused a sewer line to back up causing the overflow.

FINDS:

Registry ID: 110002423770

Environmental Interest/Information System

AIR EMISSIONS CLASSIFICATION UNKNOWN

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SUPERFUND (NON-NPL)

STATE MASTER

HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000213826
Registry ID:	110002423770
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002423770

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	14615
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported

GENERAL INSPECTION LABS INC (Continued) **1000213826**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	14615
Air District Name:	SC
SIC Code:	8734
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	14615
Air District Name:	SC
SIC Code:	8734
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	14615
Air District Name:	SC
SIC Code:	8734
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

GENERAL INSPECTION LABS INC (Continued) **1000213826**

Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	14615
Air District Name:	SC
SIC Code:	8734
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	14615
Air District Name:	SC
SIC Code:	8734
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Year:	1998
County Code:	19
Air Basin:	SC
Facility ID:	14615
Air District Name:	SC
SIC Code:	8734
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Year:	1999
County Code:	19
Air Basin:	SC

GENERAL INSPECTION LABS INC (Continued) **1000213826**

Facility ID:	14615
Air District Name:	SC
SIC Code:	8734
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	14615
Air District Name:	SC
SIC Code:	8734
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2001
County Code:	19
Air Basin:	SC
Facility ID:	14615
Air District Name:	SC
SIC Code:	8734
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	I
Facility Id:	003006-I03111
Facility Type:	01
Facility Status:	Closed
Area:	2Y
Permit Number:	000011979
Permit Status:	Closed

GENERAL INSPECTION LABS INC (Continued) **1000213826**

Region: LA
Permit Category: I
Facility Id: 003006-I03111
Facility Type: 01
Facility Status: Closed
Area: 2Y
Permit Number: 000701677
Permit Status: Closed

Region: LA
Permit Category: I
Facility Id: 003006-055558
Facility Type: 01
Facility Status: Permit
Area: 2Y
Permit Number: 000020878
Permit Status: Permit

Region: LA
Permit Category: I
Facility Id: 003006-045976
Facility Type: 01
Facility Status: Closed
Area: 2Y
Permit Number: 000016849
Permit Status: Closed

Region: LA
Permit Category: S
Facility Id: 003006-047459
Facility Type: S6
Facility Status: Closed
Area: 2Y
Permit Number: CGI009640
Permit Status: Closed

WDS:
Facility ID: 4 19I009640
Facility Type: Not reported
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: Not reported
Facility Contact: Not reported
Agency Name: GENERAL INSPECTION LABS INC
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Not reported
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported

GENERAL INSPECTION LABS INC (Continued) **1000213826**

Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

P75 **GENERAL INSPECTION LABORATORIES, INC.** **ENVIROSTOR** **S106387237**
South **8427 ATLANTIC AVE** **SLIC** **N/A**
1/4-1/2 **CUDAHY, CA 90201** **LA Co. Site Mitigation**
0.472 mi.
2493 ft. **Site 4 of 5 in cluster P**

Relative:
Lower

Actual:
116 ft.

ENVIROSTOR:

Facility ID:	71002336
Status:	Active
Status Date:	05/14/2014
Site Code:	301237
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Patrick Movlay
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Assembly:	63
Senate:	33
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.95635
Longitude:	-118.1843
APN:	6224036002
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	Mistras Group Inc.
Alias Type:	Alternate Name
Alias Name:	6224036002
Alias Type:	APN

GENERAL INSPECTION LABORATORIES, INC. (Continued) **S106387237**

Alias Name: CAD027897164
Alias Type: EPA Identification Number
Alias Name: 110002423770
Alias Type: EPA (FRS #)
Alias Name: 301237
Alias Type: Project Code (Site Code)
Alias Name: 71002336
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase I Verification
Completed Date: 04/27/2004
Comments: Inspection report sent on 4/27/2004

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 05/10/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Investigation
Completed Date: 11/01/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 09/20/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 09/20/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 08/20/2014
Comments: Not reported

GENERAL INSPECTION LABORATORIES, INC. (Continued) **S106387237**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/24/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 03/24/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 02/27/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 08/07/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 10/30/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 06/30/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 09/22/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Oversight
Completed Date: 08/10/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)

GENERAL INSPECTION LABORATORIES, INC. (Continued) **S106387237**

Completed Date: 03/24/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/01/2005
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SLIC:
Region: STATE
Facility Status: **Open - Inactive**
Status Date: 01/30/2015
Global Id: SL0603749673
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number: 71002336
Latitude: 33.956312
Longitude: -118.184253
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 1142
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:
Region: 4
Facility Status: Site Assessment
SLIC: 1142
Substance: TCE
Staff: Not reported

LA Co. Site Mitigation:
Facility ID: Not reported
Site ID: SD0000064
Jurisdiction: County
Case ID: RO0000061
Abated: Yes
Assigned To: Don Thompson
Entered Date: 08/14/2003
Abated Date: 04/16/2003

S76 **SYSTEM DISPOSAL SERVICE CO.** **RESPONSE** **S104156352**
ESE **5240 SANTA ANA AVENUE** **ENVIROSTOR** **N/A**
1/4-1/2 **CUDAHY, CA 90201** **SWF/LF**
0.473 mi. **WMUDS/SWAT**
2499 ft. **Site 1 of 4 in cluster S** **LIENS**
DEED

Relative:
Lower

Actual:
116 ft.

RESPONSE:

Facility ID:	19000010
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	7
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Chand Sultana
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Site Code:	301008
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	63
Senate:	33
Special Program Status:	Not reported
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	01/07/2016
Restricted Use:	YES
Funding:	Orphan Funds
Latitude:	33.95916
Longitude:	-118.1744
APN:	6224014905
Past Use:	LANDFILL - CONSTRUCTION, LANDFILL - DOMESTIC, LANDFILL - HAZARDOUS WASTE
Potential COC :	* WASTE OIL & MIXED OIL Arsenic Benzene Lead TPH-diesel TPH-MOTOR OIL 1,1-Dichloroethylene Ethylbenzene Polynuclear aromatic hydrocarbons (PAHs Anthracene Benzo[a]pyrene Chrysene Fluorene Naphthalene Pyrene
Confirmed COC:	Polynuclear aromatic hydrocarbons (PAHs Anthracene Benzo[a]pyrene Chrysene Fluorene Naphthalene Pyrene TPH-diesel 1,1-Dichloroethylene Ethylbenzene * WASTE OIL & MIXED OIL Arsenic Benzene Lead TPH-MOTOR OIL
Potential Description:	OTH, SOIL
Alias Name:	CUDAHY CITY PARK
Alias Type:	Alternate Name
Alias Name:	6224014905
Alias Type:	APN
Alias Name:	110033620570
Alias Type:	EPA (FRS #)
Alias Name:	301008
Alias Type:	Project Code (Site Code)
Alias Name:	19000010
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Lien
Completed Date:	07/17/2007
Comments:	A lein in the amount of $4,800,000 was placed on the City of Cudahy Park property for cost recovery.

SYSTEM DISPOSAL SERVICE CO. (Continued) **S104156352**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 12/22/2015
Comments: Park in compliance with the Covenant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 01/27/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 01/26/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/20/2003
Comments: RI reported and Risk Assessment was completed on January 20th.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 01/27/2004
Comments: On January 27, 2004, DTSC finalized the RAW for the Cudahy City Park Site located at 5240 Santa Ana Street, Cudahy Los Angeles County, California with minor revisions. Park Site Project will not have a significant effect to the environment. A notice of determination for the above was submitted to the State Clearinghouse for filing.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/30/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/03/2005
Comments: Excavation, confirmation sampling, backfilling, and compaction completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 12/08/2005
Comments: DTSC approved the Removal Action Completion report-Phase 2 for the Cudahy City Park.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets

SYSTEM DISPOSAL SERVICE CO. (Continued) **S104156352**

Completed Date: 12/16/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2020
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

ENVIROSTOR:
Facility ID: 19000010
Status: Certified O&M - Land Use Restrictions Only
Status Date: 01/07/2016
Site Code: 301008
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 7
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 63
Senate: 33
Special Program: Not reported
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Orphan Funds
Latitude: 33.95916
Longitude: -118.1744
APN: 6224014905
Past Use: LANDFILL - CONSTRUCTION, LANDFILL - DOMESTIC, LANDFILL - HAZARDOUS WASTE
Potential COC: * WASTE OIL & MIXED OIL Arsenic Benzene Lead TPH-diesel TPH-MOTOR OIL 1,1-Dichloroethylene Ethylbenzene Polynuclear aromatic hydrocarbons (PAHs Anthracene Benzo[a]pyrene Chrysene Fluorene Naphthalene Pyrene
Confirmed COC: Polynuclear aromatic hydrocarbons (PAHs Anthracene Benzo[a]pyrene Chrysene Fluorene Naphthalene Pyrene TPH-diesel 1,1-Dichloroethylene Ethylbenzene * WASTE OIL & MIXED OIL Arsenic Benzene Lead TPH-MOTOR OIL
Potential Description: OTH, SOIL
Alias Name: CUDAHY CITY PARK
Alias Type: Alternate Name
Alias Name: 6224014905
Alias Type: APN

SYSTEM DISPOSAL SERVICE CO. (Continued) **S104156352**

Alias Name: 110033620570
Alias Type: EPA (FRS #)
Alias Name: 301008
Alias Type: Project Code (Site Code)
Alias Name: 19000010
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 07/17/2007
Comments: A lein in the amount of $4,800,000 was placed on the City of Cudahy Park property for cost recovery.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 12/22/2015
Comments: Park in compliance with the Covenant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 01/27/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 01/26/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/20/2003
Comments: RI reported and Risk Assessment was completed on January 20th.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 01/27/2004
Comments: On January 27, 2004, DTSC finalized the RAW for the Cudahy City Park Site located at 5240 Santa Ana Street, Cudahy Los Angeles County, California with minor revisions. Park Site Project will not have a significant effect to the environment. A notice of determination for the above was submitted to the State Clearinghouse for filing.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/30/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork

SYSTEM DISPOSAL SERVICE CO. (Continued) **S104156352**

Completed Date: 10/03/2005
Comments: Excavation, confirmation sampling, backfilling, and compaction completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 12/08/2005
Comments: DTSC approved the Removal Action Completion report-Phase 2 for the Cudahy City Park.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 12/16/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2020
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

LOS ANGELES CO. LF:
Site ID: 2034
Alt. Address: Not reported
Site Contact: Not reported
Site Contact Phone: Not reported
Site Email: Not reported
Site Website: Not reported
Site Type: Unknown
Site SWIS Number: 19-AA-5319
Beginning Operation Date: Not reported
Ending Operation Date: Not reported
Local Enforcement Agency: Not reported
Maximun Depth Fill(Ft): Not reported
Permitted Capacity: Not reported
Present Use: Cudahy City Park
Remaining Capacity(Million): Not reported
Status: Closed
Waste Accepted: Commercial; Hazardous Liquid; Inert; Residential
Hours of Operation: Not reported
Disposal Area (Acre): Not reported

Detail As Of 01/2014:
Operator Name: Unknown
Operator Address: Not reported

SYSTEM DISPOSAL SERVICE CO. (Continued) **S104156352**

Operator City/State/Zip: Not reported
Operator Contact: Not reported
Operator Telephone: Not reported
Operator Email: Not reported
Owner Name: Piazza Trucking INC.
Owner Address: 4841 Cecilia St
Owner City/State/Zip: Cudahy, CA
Owner Contact: Not reported
Owner Telephone: (213) 560-5522
Owner Email: Not reported

WMUDS/SWAT:
Edit Date: Not reported
Complexity: Not reported
Primary Waste: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Base Meridian: Not reported
NPID: Not reported
Tonnage: 0
Regional Board ID: Not reported
Municipal Solid Waste: False
Superorder: False
Open To Public: False
Waste List: False
Agency Type: Not reported
Agency Name: Not reported
Agency Department: Not reported
Agency Address: Not reported
Agency City,St,Zip: Not reported
Agency Contact: Not reported
Agency Telephone: Not reported
Land Owner Name: Not reported
Land Owner Address: Not reported
Land Owner City,St,Zip: CA
Land Owner Contact: Not reported
Land Owner Phone: Not reported
Region: 4
Facility Type: Not reported
Facility Description: Not reported
Facility Telephone: Not reported
SWAT Facility Name: Not reported
Primary SIC: Not reported
Secondary SIC: Not reported
Comments: Not reported
Last Facility Editors: Not reported
Waste Discharge System: False
Solid Waste Assessment Test Program: True
Toxic Pits Cleanup Act Program: False
Resource Conservation Recovery Act: False
Department of Defence: False
Solid Waste Assessment Test Program: Not reported
Threat to Water Quality: Not reported
Sub Chapter 15: False
Regional Board Project Officer: Not reported
Number of WMUDS at Facility: 1

SYSTEM DISPOSAL SERVICE CO. (Continued) **S104156352**

Section Range: Not reported
RCRA Facility: Not reported
Waste Discharge Requirements: Not reported
Self-Monitoring Rept. Frequency: Not reported
Waste Discharge System ID: 4 190283NUR
Solid Waste Information ID: Not reported

LIENS:
Envirostor Id: 19000010
Latitude: 33.959166
Longitude: -118.17444
Project Mgr: CHAND SULTANA
Project Code: 301008
If Satisfied: NO
Date Satisfied: Not reported
Site Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Site Type: STATE RESPONSE OR NPL
Completed: 07/17/2007
Lien Amount: $4,800,000
Amount Remaining: Not reported
Description: Site history indicated that the property was used for landfill operations during the 1930s to 1960s. The Site accepted oily sludge from service stations, refineries and oil development processes. In July 1989, a U.S. EPA-sponsored sampling resulted in the detection of contaminants including metals and semi-volatile hydrocarbon compounds. High levels of these contaminants were mostly detected in the area which is currently occupied by the baseball court. Potential pathway for contaminants were the soil, air and groundwater pathways. In April and August 2001 DTSC conducted an additional sampling investigation which confirmed the presence of metals and semi-volatile organic compounds (SVOC)s. A Removal Action Workplan (RAW) was approved in September 2003. In 2004 approximately 20,000 cu.xds. of contaminated soil were excavated and disposed at an approved hazardous waste facility. The Basket Ball Area excavated in summer 2005 and Remedial Action Completion Report approved. A land use covenant (LUC) was recorded in January 2015.

DEED:
Envirostor ID: 19000010
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: STATE RESPONSE
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 12/22/2015

Envirostor ID: 19000010
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: STATE RESPONSE
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 01/26/2015

S77
ESE
1/4-1/2
0.476 mi.
2511 ft.

CUDAHY DUMP
5220 SANTA ANA ST
CUDAHY, CA

Site 2 of 4 in cluster S

SWF/LF **S109821538**
N/A

Relative:
Lower

Actual:
116 ft.

SWF/LF (SWIS):

Region:	STATE
Facility ID:	19-AA-5292
Lat/Long:	33.95 / -118.17778
Owner Name:	Not reported
Owner Telephone:	Not reported
Owner Address:	Not reported
Owner Address2:	Not reported
Owner City,St,Zip:	Not reported
Operational Status:	Not reported
Operator:	Not reported
Operator Phone:	Not reported
Operator Address:	Not reported
Operator Address2:	Not reported
Operator City,St,Zip:	Not reported
Permit Date:	Not reported
Permit Status:	Not reported
Permitted Acreage:	Not reported
Activity:	Not reported
Regulation Status:	Not reported
Landuse Name:	Residential,Park,Commercial
GIS Source:	Map
Category:	Not reported
Unit Number:	Not reported
Inspection Frequency:	Not reported
Accepted Waste:	Not reported
Closure Date:	Not reported
Closure Type:	Not reported
Disposal Acreage:	Not reported
SWIS Num:	19-AA-5292
Waste Discharge Requirement Num:	Not reported
Program Type:	Not reported
Permitted Throughput with Units:	Not reported
Actual Throughput with Units:	Not reported
Permitted Capacity with Units:	Not reported
Remaining Capacity:	Not reported
Remaining Capacity with Units:	Not reported
Lat/Long:	33.95 / -118.17778

78
ENE
1/4-1/2
0.483 mi.
2548 ft.

R & R DRIVE IN DIARY
5133 FLORENCE AVE E
BELL, CA 90201

LUST **S103489380**
HIST CORTESE **N/A**

Relative:
Lower

Actual:
125 ft.

LUST:

Region:	STATE
Global Id:	T0603705542
Latitude:	33.9689616
Longitude:	-118.1750646
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	02/10/2003
Lead Agency:	LOS ANGELES COUNTY

R & R DRIVE IN DIARY (Continued) **S103489380**

Case Worker:	JOA
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	R-26544
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603705542
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603705542
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603705542
Status:	Completed - Case Closed
Status Date:	02/10/2003

Global Id:	T0603705542
Status:	Open - Case Begin Date
Status Date:	12/16/1998

Global Id:	T0603705542
Status:	Open - Site Assessment
Status Date:	01/11/1999

Regulatory Activities:

Global Id:	T0603705542
Action Type:	ENFORCEMENT
Date:	02/10/2003
Action:	Closure/No Further Action Letter

Global Id:	T0603705542
Action Type:	Other
Date:	12/16/1998
Action:	Leak Discovery

Global Id:	T0603705542
Action Type:	Other
Date:	01/11/1999

R & R DRIVE IN DIARY (Continued) **S103489380**

Action: Leak Reported

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-26544	
Status:	Leak being confirmed	
Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		OT
Global ID:	T0603705542	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	CRAFTON ST	
Enforcement Type:	Not reported	
Date Leak Discovered:	12/16/1998	
Date Leak First Reported:		1/11/1999
Date Leak Record Entered:	2/24/1999	
Date Confirmation Began:	1/11/1999	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		6/15/1999
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Tank	
Operator:	GEORGE OXARIZ	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		496.160942198984353651983420 33
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		5
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	<	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	R & R DRIVE IN DIARY	
RP Address:	5133 E. FLORENCE AVE., BELL, CA 90201	
Program:	LUST	
Lat/Long:	33.9690492 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	

R & R DRIVE IN DIARY (Continued) **S103489380**

Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-26544

79
SSW
1/4-1/2
0.491 mi.
2594 ft.

Relative:
Lower

Actual:
118 ft.

RHONE POULENC BASIC CHEMICALS CO **SEMS** **1000424828**
4570 ARDINE ST **RCRA-SQG** **CAD008353211**
SOUTH GATE, CA 90280 **ENVIROSTOR**
LUST
SWEEPS UST
HIST UST
FINDS
ECHO
EMI
HAZNET
HIST CORTESE
LA Co. Site Mitigation

SEMS:
Site ID: 901075
EPA ID: CAD008353211
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: SI Ongoing

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0901075
EPA ID: CAD008353211
Facility County: LOS ANGELES
Short Name: STAUFFER CHEM CO
Congressional District: 29
IFMS ID: Not reported
SMSA Number: 4480
USGC Hydro Unit: 18070105
Federal Facility: Not a Federal Facility
DMNSN Number: 0.00000
Site Orphan Flag: N
RCRA ID: Not reported
USGS Quadrangle: Not reported
Site Init By Prog: Not reported
NFRAP Flag: Not reported
Parent ID: Not reported
RST Code: Not reported
EPA Region: 09
Classification: Not reported
Site Settings Code: Not reported
NPL Status: Not on the NPL
DMNSN Unit Code: Not reported
RBRAC Code: Not reported
RResp Fed Agency Code: Not reported

RHONE POULENC BASIC CHEMICALS CO (Continued) **1000424828**

Non NPL Status: Site Reassessment Ongoing
Non NPL Status Date: 12/10/07
Site Fips Code: 06037
CC Concurrence Date: / /
CC Concurrence FY: Not reported
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):
Contact ID: 13003854.00000
Contact Name: Leslie Ramirez
Contact Tel: (415) 972-3978
Contact Title: Site Assessment Manager (SAM)
Contact Email: Not reported

Contact ID: 13003858.00000
Contact Name: Sharon Murray
Contact Tel: (415) 972-4250
Contact Title: Site Assessment Manager (SAM)
Contact Email: Not reported

Contact ID: 13004003.00000
Contact Name: Carl Brickner
Contact Tel: Not reported
Contact Title: Site Assessment Manager (SAM)
Contact Email: Not reported

CERCLIS Site Alias Name(s):
Alias ID: 101
Alias Name: STAUFFER CHEM CO SOUTH GATE PLT
Alias Address: Not reported
CA
Alias ID: 101
Alias Comments: PREVIOUS EPA ID# AZD 981 416 977
Site Description: DTSC 08 Grant - G.2.2 Site Reassessment MM This is part of the So Central Discovery Site being done by Glendale DTSC

CERCLIS Assessment History:

Action Code: 001
Action: DISCOVERY
Date Started: / /
Date Completed: 11/01/79
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 03/01/84
Priority Level: Low priority for further assessment
Operable Unit: SITEWIDE

RHONE POULENC BASIC CHEMICALS CO (Continued) **1000424828**

Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: SITE INSPECTION
Date Started: 03/01/84
Date Completed: 09/01/86
Priority Level: Low priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: RHONE POULENC BASIC CHEMICALS CO
Facility address: 4570 ARDINE ST
SOUTH GATE, CA 90280
EPA ID: CAD008353211
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: STAUFFER CHEMICAL COMPANY
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner

RHONE POULENC BASIC CHEMICALS CO (Continued) **1000424828**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/01/1996
Site name: RHONE POULENC BASIC CHEMICALS CO
Classification: Small Quantity Generator

Date form received by agency: 02/13/1992
Site name: RHONE-POULENC BASIC CHEMICAL CO.
Classification: Large Quantity Generator

Date form received by agency: 02/21/1990
Site name: RHONE POULENC BASIC CHEMICALS CO
Classification: Large Quantity Generator

Violation Status: No violations found

ENVIROSTOR:
Facility ID: 19280830
Status: Active
Status Date: 09/29/2015
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 24
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Patrick Movlay
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Assembly: 63
Senate: 33
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.95643
Longitude: -118.1877

RHONE POULENC BASIC CHEMICALS CO (Continued) **1000424828**

APN: 6215002011, 6215002013, 6215002017, 6215002018
Past Use: NONE SPECIFIED
Potential COC: * HOUSEHOLD WASTES * Metals - Sludge * OIL/WATER SEPARATION SLUDGE * OTHER ORGANIC SOLIDS * CONTAMINATED SOIL * ACID SOLUTION 2>PH WITH METALS * ACID SOLUTION WITHOUT METALS Asbestos Containing Materials (ACM * Sludge - Halogenated Compounds * UNSPECIFIED ACID SOLUTION * UNSPECIFIED AQUEOUS SOLUTION * UNSPECIFIED SLUDGE WASTE Arsenic
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: A R MAAS CHEMICAL CO
Alias Type: Alternate Name
Alias Name: STAUFFER CHEMICAL COMPANY #3
Alias Type: Alternate Name
Alias Name: VICTOR CHEMICAL CO
Alias Type: Alternate Name
Alias Name: 6215002011
Alias Type: APN
Alias Name: 6215002013
Alias Type: APN
Alias Name: 6215002017
Alias Type: APN
Alias Name: 6215002018
Alias Type: APN
Alias Name: CAD008353211
Alias Type: EPA Identification Number
Alias Name: 19280830
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 09/30/1980
Comments: FACILITY IDENTIFIED FAC ID LACSD LACSD VIOS FOR ODOR CONTROL & MINOR SPIL

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Investigation
Completed Date: 11/01/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Discovery
Completed Date: 08/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/01/1995
Comments: 03/08/1990 LA County began enforcement action on Rhone Poulenc. Total phosphate, ph, lead soil. Workplan for additional work requested.
Consultant nam: Ebasco Case #90S156, log #900670. NFA for DTSC due to involvement of local authority.

Completed Area Name: PROJECT WIDE

RHONE POULENC BASIC CHEMICALS CO (Continued) **1000424828**

Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 02/05/1987
Comments: PRELIM ASSESS DONE ARSENIC SLUDGE POND WAS PAVED OVER EPA IN PROCESS OF RANKING SITE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/16/1987
Comments: SITE SCREENING DONE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 12/01/1985
Comments: SOURCE ACT: IW DISP SUVEY 1/81-(STAUFFER MFG TRI-SODIUM PHOSPHATE,DOSIUM SULFITE, CLEANING MIXES ALONG W/ PROD OF PHOSPHRC ACID. (A.R.)(VICTOR) MFG PHOSPHORIC ACID FAC TYPE: UNLINED WASTE DISP POND(20'X15 'X15'). WASTE: DISCH TO UNLINED SETTLING POND LOCATED AT SE CORNER OF THE PROPRTY BTW 1960/65 THIS POND WAS PAVED OVER W/ ASPHALT. SUBMIT TO EPA PRELIM ASSESS DONE CERCLA 104

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/21/2015
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:
Region: STATE
Global Id: T0603702717
Latitude: 33.956562
Longitude: -118.187617
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 08/26/1996
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LOS ANGELES COUNTY
RB Case Number: I-00524
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

RHONE POULENC BASIC CHEMICALS CO (Continued) **1000424828**

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603702717
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603702717
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603702717
Status:	Completed - Case Closed
Status Date:	08/26/1996

Global Id:	T0603702717
Status:	Open - Case Begin Date
Status Date:	06/06/1989

Global Id:	T0603702717
Status:	Open - Remediation
Status Date:	03/12/1993

Global Id:	T0603702717
Status:	Open - Site Assessment
Status Date:	11/27/1991

Regulatory Activities:

Global Id:	T0603702717
Action Type:	Other
Date:	07/26/1989
Action:	Leak Discovery

Global Id:	T0603702717
Action Type:	Other
Date:	06/06/1989
Action:	Leak Stopped

Global Id:	T0603702717
Action Type:	Other
Date:	07/26/1989
Action:	Leak Reported

RHONE POULENC BASIC CHEMICALS CO (Continued) **1000424828**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-00524	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603702717	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	PACIFIC AVE	
Enforcement Type:	Not reported	
Date Leak Discovered:	7/26/1989	
Date Leak First Reported:		7/26/1989
Date Leak Record Entered:	5/15/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	6/6/1989	
Date Case Last Changed on Database:		8/26/1996
Date the Case was Closed:		8/26/1996
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	WAS STAUFFER CHEMICAL COMPANY	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1130.64828800472517354419939 58
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		11/27/1991
Remediation Plan Submitted:		3/12/1993
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	RHONE-POULENC CHEMICALS CO	
RP Address:	P.O. BOX 22776, LONG BEACH CA 90801	
Program:	LUST	
Lat/Long:	33.9572005 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	

RHONE POULENC BASIC CHEMICALS CO (Continued) **1000424828**

Assigned Name: Not reported
Summary: 26AUG96 PER YR SITENAME CHANGED FROM STAUFFER CHEMICAL COMPANY

SWEEPS UST:
Status: Not reported
Comp Number: 524
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-000524-000001
Tank Status: Not reported
Capacity: 200
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: 2

Status: Not reported
Comp Number: 524
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-000524-000002
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

HIST UST:
File Number: 0002887D
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002887D.pdf
Region: STATE
Facility ID: 00000017167
Facility Type: Other
Other Type: CHEMICAL MANF.
Contact Name: ED TRAINER
Telephone: 2135882214
Owner Name: STAUFFER CHEMICAL COMPANY
Owner Address: NYALA FARM ROAD
Owner City,St,Zip: WESTPORT, CT 068810850
Total Tanks: 0006

Tank Num: 001
Container Num: #1 GAS TAN
Year Installed: Not reported
Tank Capacity: 00004000

RHONE POULENC BASIC CHEMICALS CO (Continued) **1000424828**

Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000050
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 003
Container Num: 3
Year Installed: 1977
Tank Capacity: 00000150
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000300
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 5
Year Installed: Not reported
Tank Capacity: 00000050
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 006
Container Num: 6
Year Installed: Not reported
Tank Capacity: 00002700
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Click here for Geo Tracker PDF:

FINDS:

Registry ID: 110002140665

Environmental Interest/Information System

RHONE POULENC BASIC CHEMICALS CO (Continued) **1000424828**

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

SUPERFUND (NON-NPL)

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000424828
Registry ID:	110002140665
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002140665

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	9116
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	8
Particulate Matter Tons/Yr:	2
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	2024
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	6

RHONE POULENC BASIC CHEMICALS CO (Continued) **1000424828**

SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr: 1

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 10809
Air District Name: SC
SIC Code: 9999
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 62062
Air District Name: SC
SIC Code: 2819
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 1
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr: 1

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 62063
Air District Name: SC
SIC Code: 2819
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 4
Part. Matter 10 Micrometers and Smllr Tons/Yr: 4

Year: 1990
County Code: 19

RHONE POULENC BASIC CHEMICALS CO (Continued) **1000424828**

Air Basin:	SC
Facility ID:	62061
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	62063
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

HAZNET:

envid:	1000424828
Year:	2015
GEPAID:	CAC002808107
Contact:	DANA FONTAINE
Telephone:	3235629529
Mailing Name:	Not reported
Mailing Address:	4570 ARDINE ST
Mailing City,St,Zip:	SOUTH GATE, CA 902802535
Gen County:	Los Angeles
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	5.28
Cat Decode:	Off-specification, aged or surplus organics
Method Decode:	Fuel Blending Prior To Energy Recovery At Another Site
Facility County:	Los Angeles

envid:	1000424828
Year:	2015
GEPAID:	CAP000256156
Contact:	PATRICK J WEBB
Telephone:	9724043895
Mailing Name:	Not reported

RHONE POULENC BASIC CHEMICALS CO (Continued) **1000424828**

Mailing Address: 5005 LYNDON B JOHNSON FWY STE 2200
Mailing City,St,Zip: DALLAS, TX 752446152
Gen County: Los Angeles
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Unspecified aqueous solution
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 64.26
Cat Decode: Unspecified aqueous solution
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

envid: 1000424828
Year: 2015
GEPAID: CAP000256156
Contact: PATRICK J WEBB
Telephone: 9724043895
Mailing Name: Not reported
Mailing Address: 5005 LYNDON B JOHNSON FWY STE 2200
Mailing City,St,Zip: DALLAS, TX 752446152
Gen County: Los Angeles
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Other inorganic solid waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 6.6
Cat Decode: Other inorganic solid waste
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-00524

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 524

LA Co. Site Mitigation:
Facility ID: FA0002974
Site ID: SD0010306
Jurisdiction: State
Case ID: RO0010306
Abated: Yes
Assigned To: Shahin Nourishad
Entered Date: 05/11/2004
Abated Date: 08/13/1996

P80
South
1/4-1/2
0.494 mi.
2606 ft.

MIKE ROCHE INC.
8445 SOUTH ATLANTIC AVENU
CUDAHY, CA 90201

Site 5 of 5 in cluster P

SLIC **S110819448**
N/A

Relative:
Lower

Actual:
116 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/29/2011
Global Id:	T10000002946
Lead Agency:	LOS ANGELES COUNTY
Lead Agency Case Number:	006930
Latitude:	33.9556957
Longitude:	-118.1841597
Case Type:	Cleanup Program Site
Case Worker:	JOA
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	Not reported
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

S81
ESE
1/4-1/2
0.494 mi.
2609 ft.

VLOEDMAN DUMP
5240 EAST SANTA ANA ST
CUDAHY, CA 90201

Site 3 of 4 in cluster S

SEMS **1005440837**
CAD981438666

Relative:
Lower

Actual:
116 ft.

SEMS:

Site ID:	902442
EPA ID:	CAD981438666
Federal Facility:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID:	0902442
EPA ID:	CAD981438666
Facility County:	LOS ANGELES
Short Name:	VLOEDMAN DUMP
Congressional District:	30
IFMS ID:	Not reported
SMSA Number:	4480
USGC Hydro Unit:	18070105
Federal Facility:	Not a Federal Facility
DMNSN Number:	0.00000
Site Orphan Flag:	N
RCRA ID:	Not reported
USGS Quadrangle:	Not reported
Site Init By Prog:	Not reported
NFRAP Flag:	Not reported
Parent ID:	Not reported
RST Code:	Not reported
EPA Region:	09
Classification:	Not reported
Site Settings Code:	Not reported

VLOEDMAN DUMP (Continued) **1005440837**

NPL Status: Not on the NPL
DMNSN Unit Code: Not reported
RBRAC Code: Not reported
RResp Fed Agency Code: Not reported
Non NPL Status: Site Reassessment Ongoing
Non NPL Status Date: 07/13/12
Site Fips Code: 06037
CC Concurrence Date: / /
CC Concurrence FY: Not reported
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):
Contact ID: 13003854.00000
Contact Name: Leslie Ramirez
Contact Tel: (415) 972-3978
Contact Title: Site Assessment Manager (SAM)
Contact Email: Not reported

Contact ID: 13003858.00000
Contact Name: Sharon Murray
Contact Tel: (415) 972-4250
Contact Title: Site Assessment Manager (SAM)
Contact Email: Not reported

Contact ID: 13004003.00000
Contact Name: Carl Brickner
Contact Tel: Not reported
Contact Title: Site Assessment Manager (SAM)
Contact Email: Not reported

CERCLIS Site Alias Name(s):
Alias ID: 101
Alias Name: CUDAHY DUMP (AKA)
Alias Address: Not reported
CA
Alias ID: 201
Alias Name: STEEPLETON B.H.
Alias Address: Not reported
CA
Alias ID: 202
Alias Name: CUDAHY PARK
Alias Address: Not reported
Not reported
Alias ID: 101
Alias ID: 201
Alias ID: 202
Alias Comments: PREVIOUS EPA ID# AZD 981 416 977PREVIOUS EPA ID# AZD 981 416 977
Site Description: DTSC REASSESSEMENT 2008

CERCLIS Assessment History:

Action Code: 001
Action: DISCOVERY
Date Started: / /
Date Completed: 09/01/86
Priority Level: Not reported

VLOEDMAN DUMP (Continued) **1005440837**

Operable Unit: SITEWIDE
Primary Responsibility: State, Fund Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 002
Action: PRELIMINARY ASSESSMENT
Date Started: 09/01/86
Date Completed: 06/01/87
Priority Level: Low priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: State, Fund Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 06/01/88
Priority Level: Low priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: State, Fund Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: SITE INSPECTION
Date Started: / /
Date Completed: 09/21/89
Priority Level: Low priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: SITE REASSESSMENT
Date Started: 02/01/01
Date Completed: 06/30/01
Priority Level: Higher priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: State, Fund Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

S82 **CITY OF CUDAHY PARK** **HIST Cal-Sites** **S105481906**
ESE **5240 SANTA ANA STREET** **N/A**
1/4-1/2 **CUDAHY, CA 90201**
0.494 mi.
2609 ft. **Site 4 of 4 in cluster S**

Relative:
Lower

Actual:
116 ft.

Calsite:

Region:	GLENDALE
Facility ID:	19000010
Facility Type:	STATE
Type:	STATE FUNDED SITE
Branch:	SA
Branch Name:	SO CAL - GLENDALE
File Name:	Not reported
State Senate District:	06302001
Status:	ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name:	ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
NPL:	Not Listed
SIC Code:	00
SIC Name:	PROPERTIES THAT DO NOT HAVE SIC CODES
Access:	Not reported
Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Not reported
Staff Member Responsible for Site:	RGEBERT
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	LA
Region Water Control Board Name:	LOS ANGELES
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	50
State Senate District Code:	30
Facility ID:	19000010
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PASI
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06302001
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0

CITY OF CUDAHY PARK (Continued) **S105481906**

Unknown Type:	0
Facility ID:	19000010
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01272004
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19000010
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PEAE
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01202003
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19000010
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	06302005
Revised Due Date:	Not reported
Comments Date:	Not reported

CITY OF CUDAHY PARK (Continued) **S105481906**

Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19000010
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01272004
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	5240 SANTA ANA STREET
Alternate City,St,Zip:	CUDAHY, CA 90201
Background Info:	Site history indicated that the property was used for landfill operations during the 1930s to 1960s. The Site accepted oily sludge from service station, refineries and oil development processes. In July 1989, a U.S. EPA-sponsored sampling resulted in the detection of contaminants including metals and semi-volatile hydrocarbon compounds. High levels of these contaminants were mostly detected in the area which is currently occupied by the baseball court. Potential pathway for contaminants are the soil, air and groundwater pathways. In April and August 2001 DTSC conducted an additional sampling investigation which confirmed the presence of metals and semi-volatile organic compounds (SVOC)s. A Removal Action Workplan (RAW) was approved in September 2003. In 2004 approximately 20,000 cu.xds. of contaminated soil were excavated and disposed at an approved hazardous waste facility. The

CITY OF CUDAHY PARK (Continued) **S105481906**

	basketball area will be excavated in the summer of 2005 which will completed the Remediation.
Comments Date:	01202003
Comments:	RI reported and Risk Assessment was completed on January 20th.
Comments Date:	01272004
Comments:	On January 27, 2004, DTSC finalized the RAW for the Cudahy
Comments Date:	01272004
Comments:	City Park Site located at 5240 Santa Ana Street, Cudahy
Comments Date:	01272004
Comments:	Los Angeles County, California with minor revisions.
Comments Date:	01272004
Comments:	Not reported
Comments Date:	01272004
Comments:	Park Site Project will not have a significant effect to the
Comments Date:	01272004
Comments:	environment. A notice of determination for the above was
Comments Date:	01272004
Comments:	submitted to the State Clearinghouse for filing.
ID Name:	CALSTARS CODE
ID Value:	301008
Alternate Name:	CITY OF CUDAHY PARK
Alternate Name:	CUDAHY CITY PARK
Alternate Name:	Not reported
Special Programs Code:	Not reported
Special Programs Name:	Not reported

T83 **AAA RECYCLING METAL INC** **SWRCY** **S111859626**
WSW **7962 SALT LAKE AVE** **N/A**
1/4-1/2 **CUDAHY, CA 90201**
0.497 mi.
2626 ft. **Site 1 of 2 in cluster T**

Relative:
Lower

Actual:
127 ft.

SWRCY:

Reg Id:	154604
Cert Id:	RC154604.001
Mailing Address:	2810 Rubidoux Blvd
Mailing City:	Jurupa Valley
Mailing State:	CA
Mailing Zip Code:	92509
Website:	Not reported
Email:	Not reported
Phone Number:	(909) 900-2310
Grand Father:	N
Rural:	N
Operation Begin Date:	05/01/2012
Aluminium:	Y
Glass:	Y
Plastic:	Y
Bimetal:	Y
Agency:	N/A
Monday Hours Of Operation:	8:00 am - 2:00 pm
Tuesday Hours Of Operation:	8:00 am - 4:00 pm
Wednesday Hours Of Operation:	8:00 am - 2:00 pm
Thursday Hours Of Operation:	8:00 am - 4:00 pm
Friday Hours Of Operation:	8:00 am - 4:00 pm
Saturday Hours Of Operation:	8:00 am - 4:00 pm
Sunday Hours Of Operation:	CLOSED
Organization ID:	48753

AAA RECYCLING METAL INC (Continued) **S111859626**

Organization Name: AAA Recycling Metal Inc

T84 **RCH PAPER BOX COMPANY** **LUST** **S100224441**
WSW **7962 SALT LAKE AVE** **HIST CORTESE** **N/A**
1/4-1/2 **HUNTINGTON PARK, CA 90255**
0.497 mi.
2626 ft. **Site 2 of 2 in cluster T**

Relative:
Lower

Actual:
127 ft.

LUST:

Region:	STATE
Global Id:	T0603704282
Latitude:	33.9632535
Longitude:	-118.1940705
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/03/1990
Lead Agency:	LOS ANGELES COUNTY
Case Worker:	JOA
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	I-15265
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603704282
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603704282
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603704282
Status:	Completed - Case Closed
Status Date:	05/03/1990

Global Id:	T0603704282
Status:	Open - Case Begin Date
Status Date:	02/16/1990

Regulatory Activities:

RCH PAPER BOX COMPANY (Continued) **S100224441**

Global Id: T0603704282
Action Type: Other
Date: 02/16/1990
Action: Leak Discovery

Global Id: T0603704282
Action Type: Other
Date: 02/16/1990
Action: Leak Stopped

Global Id: T0603704282
Action Type: Other
Date: 03/22/1990
Action: Leak Reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-15265
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704282
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: OTIS AVE.
Enforcement Type: Not reported
Date Leak Discovered: 2/16/1990
Date Leak First Reported: 3/22/1990
Date Leak Record Entered: 4/8/1990
Date Confirmation Began: Not reported
Date Leak Stopped: 2/16/1990
Date Case Last Changed on Database: 5/9/1990
Date the Case was Closed: 5/3/1990
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: SHIWIMMER, HOWARD
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 529.37996451511334324344624454
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported

RCH PAPER BOX COMPANY (Continued) **S100224441**

Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: RCH PAPER BOX CO.
RP Address: 123 FIGUEROA ST., S., LOS ANGELES, 90012
Program: LUST
Lat/Long: 33.9632535 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: OLD CASE #040990-20

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-15265

---

85 South 1/2-1 0.501 mi. 2644 ft.

M STEPHENS MANUFACTURING
4839 PATATA ST
CUDAHY, CA 90201

ENVIROSTOR S102432843
LUST N/A
SWEEPS UST
EMI
HIST CORTESE

Relative: Lower

Actual: 114 ft.

ENVIROSTOR:
Facility ID: 60001790
Status: Refer: EPA
Status Date: 09/17/2013
Site Code: 301576
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 2
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Patrick Movlay
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Assembly: 63
Senate: 33
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.95557
Longitude: -118.1830
APN: 6224-034-010, 6224-034-014, 6224-034-032, 6224-034-036, 6224-034-039, 6224-034-040, 6224-034-041, 6224-034-37, 6224034010, 6224034014, 6224034032, 6224034036, 6224034039, 6224034040, 6224034041, 622403437
Past Use: UNKNOWN

M STEPHENS MANUFACTURING (Continued) **S102432843**

Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 6224-034-010
Alias Type: APN
Alias Name: 6224-034-014
Alias Type: APN
Alias Name: 6224-034-032
Alias Type: APN
Alias Name: 6224-034-036
Alias Type: APN
Alias Name: 6224-034-039
Alias Type: APN
Alias Name: 6224-034-040
Alias Type: APN
Alias Name: 6224-034-041
Alias Type: APN
Alias Name: 6224-034-37
Alias Type: APN
Alias Name: 6224034010
Alias Type: APN
Alias Name: 6224034014
Alias Type: APN
Alias Name: 6224034032
Alias Type: APN
Alias Name: 6224034036
Alias Type: APN
Alias Name: 6224034039
Alias Type: APN
Alias Name: 6224034040
Alias Type: APN
Alias Name: 6224034041
Alias Type: APN
Alias Name: 622403437
Alias Type: APN
Alias Name: CAN000909569
Alias Type: CERCLIS ID
Alias Name: CAN000909569
Alias Type: CERCLIS ID
Alias Name: T0603703809
Alias Type: GeoTracker Global ID
Alias Name: 301576
Alias Type: Project Code (Site Code)
Alias Name: 60001790
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Investigation
Completed Date: 11/01/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 09/12/2013
Comments: Not reported

M STEPHENS MANUFACTURING (Continued) **S102432843**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	09/21/2015
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

LUST:

Region:	STATE
Global Id:	T0603703809
Latitude:	33.956135
Longitude:	-118.182485
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	09/27/1995
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	YR
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	I-11513
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603703809
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603703809
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603703809

M STEPHENS MANUFACTURING (Continued) **S102432843**

Status: Completed - Case Closed
Status Date: 09/27/1995

Global Id: T0603703809
Status: Open - Case Begin Date
Status Date: 07/14/1994

Global Id: T0603703809
Status: Open - Verification Monitoring
Status Date: 02/02/1995

Regulatory Activities:
Global Id: T0603703809
Action Type: Other
Date: 07/14/1994
Action: Leak Discovery

Global Id: T0603703809
Action Type: Other
Date: 08/10/1994
Action: Leak Reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-11513
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603703809
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: ATLANTIC
Enforcement Type: Not reported
Date Leak Discovered: 7/14/1994
Date Leak First Reported: 8/10/1994
Date Leak Record Entered: 9/26/1995
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 9/27/1995
Date the Case was Closed: 9/27/1995
How Leak Discovered: Subsurface Monitoring
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: Piping
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 1019.6802308486544381577857243
Source of Cleanup Funding: Piping

M STEPHENS MANUFACTURING (Continued) **S102432843**

Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 2/2/1995
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: M STEPHENS MANUFACTURING
RP Address: 8240 ATLANTIC AVE S CUDAHY 90201
Program: LUST
Lat/Long: 33.9555795 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

SWEEPS UST:
Status: Active
Comp Number: 11513
Number: 9
Board Of Equalization: 44-009327
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011513-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 2

Status: Active
Comp Number: 11513
Number: 9
Board Of Equalization: 44-009327
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011513-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89

M STEPHENS MANUFACTURING (Continued) **S102432843**

Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

EMI:

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	61825
Air District Name:	SC
SIC Code:	3446
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-11513

86
ESE
1/2-1
0.510 mi.
2695 ft.

Relative:
Lower

Actual:
118 ft.

CUDAHY RESIDENTIAL AREA **RESPONSE** **S106076587**
5260 ELIZABETH ST. **ENVIROSTOR** **N/A**
LOS ANGELES, CA 90201 **HIST Cal-Sites**
DEED

AWP:

AWP Facility ID:	19000019
Region Code:	3
Region:	GLENDALE
SMBR Branch Code:	SA
SMBR Branch Unit:	SO CAL - GLENDALE
Site Name.:	Not reported
Current Status Date:	06302003
Current Status:	ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency Code:	DTSC
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
Facility Type:	State orphan site
Awp Site Type:	STATE FUNDED SITE
NPL:	Not Listed
Tier Of AWP Site:	Not reported
Source Of Funding:	Not reported
Responsible Staff Member:	CSULTANA
Supervisor Responsible:	Not reported
SIC Code:	00
Facility SIC:	PROPERTIES THAT DO NOT HAVE SIC CODES
RWQCB Code:	Not reported
RWQCB Associated With Site:	Not reported

CUDAHY RESIDENTIAL AREA (Continued) **S106076587**

Site Access Controlled:	Not reported
Site Listed HWS List:	Not reported
Hazard Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	N
# Of Contamination Sources:	0
Lat/Long:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Description Of Entity:	Not reported
State Assembly Distt Code:	50
State Senate District:	30

RESPONSE:

Facility ID:	19000019
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	1
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Chand Sultana
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Site Code:	301169
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	63
Senate:	33
Special Program Status:	Not reported
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	09/14/2012
Restricted Use:	YES
Funding:	Orphan Funds
Latitude:	33.96125
Longitude:	-118.1734
APN:	6224-001-014, 6224-001-015, 6224001014, 6224001015
Past Use:	LANDFILL - HAZARDOUS WASTE
Potential COC :	Arsenic Lead Mercury (elemental TPH-diesel TPH-gas TPH-MOTOR OIL Zinc Not reported
Confirmed COC:	30024-NO 30025-NO 30001-NO Lead 30014-NO 3002502-NO 30594-NO
Potential Description:	SOIL, SV
Alias Name:	GONZALES PROPERTY
Alias Type:	Alternate Name
Alias Name:	GONZALES PROPERTY
Alias Type:	Alternate Name
Alias Name:	STEEPLETON LANDFILL
Alias Type:	Alternate Name
Alias Name:	6224-001-014
Alias Type:	APN
Alias Name:	6224-001-015
Alias Type:	APN
Alias Name:	6224001014
Alias Type:	APN
Alias Name:	6224001015
Alias Type:	APN
Alias Name:	110033606104
Alias Type:	EPA (FRS #)

CUDAHY RESIDENTIAL AREA (Continued) **S106076587**

Alias Name: 301169
Alias Type: Project Code (Site Code)
Alias Name: 19000019
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 01/19/2004
Comments: CEQA finalized.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 05/27/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/03/2005
Comments: The major chemicals of concern were metals including lead, mercury, zinc and antimony. A Removal Action is proposed to address the contamination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/18/2006
Comments: There is no final DTSC letter issued/required for this activity because it was an orphan (State Funded) site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 01/27/2004
Comments: DTSC approved Final RAW.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 02/07/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 07/30/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PRP Identification Memorandum
Completed Date: 08/19/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE

CUDAHY RESIDENTIAL AREA (Continued) **S106076587**

Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 02/07/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 12/15/2008
Comments: Annual Inspection done.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 04/27/2007
Comments: LUC recorded with LA County Recorder's office.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: 5 Year Review Reports
Schedule Due Date: 09/29/2017
Schedule Revised Date: 03/30/2018

ENVIROSTOR:
Facility ID: 19000019
Status: Certified O&M - Land Use Restrictions Only
Status Date: 09/14/2012
Site Code: 301169
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 63
Senate: 33
Special Program: Not reported
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Orphan Funds
Latitude: 33.96125
Longitude: -118.1734
APN: 6224-001-014, 6224-001-015, 6224001014, 6224001015
Past Use: LANDFILL - HAZARDOUS WASTE
Potential COC: Arsenic Lead Mercury (elemental TPH-diesel TPH-gas TPH-MOTOR OIL Zinc Not reported
Confirmed COC: 30024-NO 30025-NO 30001-NO Lead 30014-NO 3002502-NO 30594-NO
Potential Description: SOIL, SV
Alias Name: GONZALES PROPERTY
Alias Type: Alternate Name

CUDAHY RESIDENTIAL AREA (Continued) **S106076587**

Alias Name: GONZALES PROPERTY
Alias Type: Alternate Name
Alias Name: STEEPLETON LANDFILL
Alias Type: Alternate Name
Alias Name: 6224-001-014
Alias Type: APN
Alias Name: 6224-001-015
Alias Type: APN
Alias Name: 6224001014
Alias Type: APN
Alias Name: 6224001015
Alias Type: APN
Alias Name: 110033606104
Alias Type: EPA (FRS #)
Alias Name: 301169
Alias Type: Project Code (Site Code)
Alias Name: 19000019
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 01/19/2004
Comments: CEQA finalized.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 05/27/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/03/2005
Comments: The major chemicals of concern were metals including lead, mercury, zinc and antimony. A Removal Action is proposed to address the contamination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/18/2006
Comments: There is no final DTSC letter issued/required for this activity because it was an orphan (State Funded) site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 01/27/2004
Comments: DTSC approved Final RAW.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 02/07/2007
Comments: Not reported

CUDAHY RESIDENTIAL AREA (Continued) **S106076587**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 07/30/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PRP Identification Memorandum
Completed Date: 08/19/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 02/07/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 12/15/2008
Comments: Annual Inspection done.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 04/27/2007
Comments: LUC recorded with LA County Recorder's office.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: 5 Year Review Reports
Schedule Due Date: 09/29/2017
Schedule Revised Date: 03/30/2018

Calsite:
Region: GLENDALE
Facility ID: 19000019
Facility Type: STATE
Type: STATE FUNDED SITE
Branch: SA
Branch Name: SO CAL - GLENDALE
File Name: Not reported
State Senate District: 06302003
Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not Listed
SIC Code: 00
SIC Name: PROPERTIES THAT DO NOT HAVE SIC CODES
Access: Not reported
Cortese: Not reported

CUDAHY RESIDENTIAL AREA (Continued) **S106076587**

Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Unknown
Staff Member Responsible for Site:	CSULTANA
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	Not reported
Region Water Control Board Name:	Not reported
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	50
State Senate District Code:	30
Facility ID:	19000019
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PEAE
Proposed Budget:	0
AWP Completion Date:	03302005
Revised Due Date:	Not reported
Comments Date:	05032005
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	5260 ELIZABETH
Alternate City,St,Zip:	LOS ANGELES, CA 90201
Background Info:	Gonzales Residential Property is an Orphan Site, located at 5256 and 5260 Elizabeth Street, in the City of Cudahy, Los Angeles County, California. This Site is approximately one acre consisting of a single family housing unit located in a mixed residential area of single family homes, multi-family residential units, the Park Avenue Elementary School. Site history shows that a portion of the backyard of the property may have been used for landfill operations during the 1930s to 1960s. The Site is currently being used as a residential property. On April 23, 2003, DTSC conducted soil sampling to determine if the property has been impacted by hazardous substances release from past landfill operation. Results of DTSC's sampling resulted in the detection of contaminants including metals and semi-volatile hydrocarbon compounds. Lead was detected ranging from 26 to 8,500 milligrams per kilograms. Most of the contamination is located in the backyard area of the property. DTSC prposed to conduct a remedial investigation in fall 2003 to determine the extent of contamination at the Site.

CUDAHY RESIDENTIAL AREA (Continued) **S106076587**

Comments Date: 01262004
Comments: Hydrologue submitted Addendum to PEA Report.
Comments Date: 01262005
Comments: Hydrologue submitted Addendum to PEA Report.
Comments Date: 05032005
Comments: The major chemicals of concern were metals including lead,
Comments Date: 05032005
Comments: mercury, zinc and antimony. A Removal Action is proposed to
Comments Date: 05032005
Comments: address the contamination.
Comments Date: 05212004
Comments: DTSC selected Contractor (Hydrologue Inc.) and sent Contract
Comments Date: 05212004
Comments: Agreement.
Comments Date: 06082004
Comments: DTSC approved Work Order. Scoping Meeting and Contractor
Comments Date: 06082004
Comments: Site Walk meeting DTSC geologist and the property owner.
Comments Date: 06172005
Comments: Contract was signed. Work Order for Removal Action
Comments Date: 06172005
Comments: Iimplementation issued.
Comments Date: 07122004
Comments: Hydrologue submitted Preliminary Endangerment Assessment
Comments Date: 07122004
Comments: Workplan to DTSC.
Comments Date: 08062004
Comments: DTSC requested Hydrologue to submit a Revised PEA Workplan.
Comments Date: 08202004
Comments: Hydrologue addressed the issues in Revised PEA Workplan.
Comments Date: 09022004
Comments: DTSC approved the Revised PEA Workplan.
Comments Date: 10112004
Comments: Hydrologue submitted PEA Report.
Comments Date: 12072004
Comments: DTSC asked to address the issues before approval.
ID Name: CALSTARS CODE
ID Value: 301169
Alternate Name: CUDAHY RESIDENTIAL AREA
Alternate Name: STEEPLETON LANDFILL
Alternate Name: Not reported
Special Programs Code: Not reported
Special Programs Name: Not reported

DEED:
Envirostor ID: 19000019
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: STATE RESPONSE
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 04/27/2007

87
SSE
1/2-1
0.538 mi.
2840 ft.

ARMSTRONG WORLD INDUSTRIES
5037 PATATA STREET
CUDAHY, CA 90201

ENVIROSTOR **S112165828**
N/A

Relative:
Lower

Actual:
113 ft.

ENVIROSTOR:

Facility ID:	60001786
Status:	Refer: EPA
Status Date:	09/17/2013
Site Code:	301577
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	6
NPL:	NO
Regulatory Agencies:	SMBRP, US EPA
Lead Agency:	US EPA
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Assembly:	63
Senate:	33
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.95545
Longitude:	-118.1761
APN:	6224-031-003, 6224031003
Past Use:	MANUFACTURING - LUMBER/WOOD PRODUCTS, MANUFACTURING - PAPER
Potential COC:	Under Investigation
Confirmed COC:	31001-NO
Potential Description:	NONE SPECIFIED
Alias Name:	6224-031-003
Alias Type:	APN
Alias Name:	6224031003
Alias Type:	APN
Alias Name:	CAN000909482
Alias Type:	CERCLIS ID
Alias Name:	301577
Alias Type:	Project Code (Site Code)
Alias Name:	60001786
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	PA/SI Site Screening
Completed Date:	09/12/2013
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	09/21/2015
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	PA/SI Site Investigation

ARMSTRONG WORLD INDUSTRIES (Continued) **S112165828**

Completed Date:	11/01/2015
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

U88 **PARK AVENUE ELEMENTARY SCHOOL** **ENVIROSTOR** **S100183985**
ESE **8020 PARK AVENUE** **SCH** **N/A**
1/2-1 **CUDAHY, CA 90201** **HIST CORTESE**
0.543 mi.
2866 ft. **Site 1 of 2 in cluster U**

Relative:
Lower

Actual:
115 ft.

ENVIROSTOR:

Facility ID:	19490127
Status:	No Further Action
Status Date:	10/27/2009
Site Code:	300199
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	7
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	63
Senate:	33
Special Program:	* Site Char & Assess Grant (CERCLA 104)
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.96047
Longitude:	-118.1730
APN:	NONE SPECIFIED
Past Use:	* ELECTRIC, GAS & SANITARY SERVICES
Potential COC:	* OTHER ORGANIC SOLIDS TPH-diesel
Confirmed COC:	NONE SPECIFIED
Potential Description:	OTH, SOIL
Alias Name:	B H STEEPLETON LANDFILL
Alias Type:	Alternate Name
Alias Name:	CUDAHY DUMP
Alias Type:	Alternate Name
Alias Name:	PARK AVE SCHOOL - CUDAHY
Alias Type:	Alternate Name
Alias Name:	PARK AVENUE ELEMENTARY SCHOOL
Alias Type:	Alternate Name
Alias Name:	PARK AVENUE ELEMENTARY SCHOOL - CUDAHY
Alias Type:	Alternate Name
Alias Name:	STEEPLETON LANDFILL
Alias Type:	Alternate Name

PARK AVENUE ELEMENTARY SCHOOL (Continued) **S100183985**

Alias Name: VLOEDMAN DUMP
Alias Type: Alternate Name
Alias Name: CAD981398878
Alias Type: EPA Identification Number
Alias Name: 110013309482
Alias Type: EPA (FRS #)
Alias Name: P33055
Alias Type: PCode
Alias Name: 300199
Alias Type: Project Code (Site Code)
Alias Name: 19490127
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/03/2007
Comments: CRU completed for the soil remediation only.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/08/1991
Comments: In preparation for the Interim Remedial Measure a removal action was conducted. Approximately 2,108 tons of soil contaminated with petroleum sludge, heavy metals and landfill debris were removed from the site between July and September of 1990. Contaminated soils were managed as hazardous waste and transported to U.S. Ecology in Nevada. The IRM consisted of the installation of a passive gas venting system and a High Density Polyethylene Liner cap and was completed in October of 1990.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/22/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 02/01/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Remedial or Removal Design
Completed Date: 06/11/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE

PARK AVENUE ELEMENTARY SCHOOL (Continued) **S100183985**

Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 04/22/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 02/01/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 07/18/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19490127
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 7
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: 300199
Assembly: 63
Senate: 33
Special Program Status: * Site Char & Assess Grant (CERCLA 104)
Status: No Further Action
Status Date: 10/27/2009
Restricted Use: NO
Funding: School District
Latitude: 33.96047
Longitude: -118.1730
APN: NONE SPECIFIED
Past Use: * ELECTRIC, GAS & SANITARY SERVICES
Potential COC: * OTHER ORGANIC SOLIDS, TPH-diesel
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL
Alias Name: B H STEEPLETON LANDFILL

PARK AVENUE ELEMENTARY SCHOOL (Continued) **S100183985**

Alias Type: Alternate Name
Alias Name: CUDAHY DUMP
Alias Type: Alternate Name
Alias Name: PARK AVE SCHOOL - CUDAHY
Alias Type: Alternate Name
Alias Name: PARK AVENUE ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: PARK AVENUE ELEMENTARY SCHOOL - CUDAHY
Alias Type: Alternate Name
Alias Name: STEEPLETON LANDFILL
Alias Type: Alternate Name
Alias Name: VLOEDMAN DUMP
Alias Type: Alternate Name
Alias Name: CAD981398878
Alias Type: EPA Identification Number
Alias Name: 110013309482
Alias Type: EPA (FRS #)
Alias Name: P33055
Alias Type: PCode
Alias Name: 300199
Alias Type: Project Code (Site Code)
Alias Name: 19490127
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/03/2007
Comments: CRU completed for the soil remediation only.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/08/1991
Comments: In preparation for the Interim Remedial Measure a removal action was conducted. Approximately 2,108 tons of soil contaminated with petroleum sludge, heavy metals and landfill debris were removed from the site between July and September of 1990. Contaminated soils were managed as hazardous waste and transported to U.S. Ecology in Nevada. The IRM consisted of the installation of a passive gas venting system and a High Density Polyethylene Liner cap and was completed in October of 1990.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/22/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 02/01/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

PARK AVENUE ELEMENTARY SCHOOL (Continued) **S100183985**

Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Remedial or Removal Design
Completed Date: 06/11/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 04/22/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 02/01/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 07/18/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: CALSI
Reg Id: 19490127

U89 **PARK AVENUE EASEMENT** **ENVIROSTOR** **S118756529**
ESE **8020 PARK AVENUE** **SCH** **N/A**
1/2-1 **CUDAHY, CA 90201**
0.543 mi.
2866 ft. **Site 2 of 2 in cluster U**

Relative:
Lower

Actual:
115 ft.

ENVIROSTOR:
Facility ID: 19490249
Status: No Action Required
Status Date: 06/09/2004
Site Code: 301107
Site Type: School Investigation
Site Type Detailed: School

PARK AVENUE EASEMENT (Continued) **S118756529**

Acres:	7.00
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	63
Senate:	33
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.96047
Longitude:	-118.1730
APN:	NONE SPECIFIED
Past Use:	* ELECTRIC, GAS & SANITARY SERVICES
Potential COC:	TPH-diesel
Confirmed COC:	NONE SPECIFIED
Potential Description:	NMA
Alias Name:	PARK AVENUE EASEMENT
Alias Type:	Alternate Name
Alias Name:	SO CAL GAS CO PARK AVE EASEMENT
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS COMPANY
Alias Type:	Alternate Name
Alias Name:	301107
Alias Type:	Project Code (Site Code)
Alias Name:	19490249
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	06/21/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Report
Completed Date:	10/10/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	06/09/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Report
Completed Date:	04/22/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

PARK AVENUE EASEMENT (Continued) **S118756529**

Completed Document Type: * Workplan
Completed Date: 07/25/2002
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19490249
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 7.00
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: 301107
Assembly: 63
Senate: 33
Special Program Status: Not reported
Status: No Action Required
Status Date: 06/09/2004
Restricted Use: NO
Funding: School District
Latitude: 33.96047
Longitude: -118.1730
APN: NONE SPECIFIED
Past Use: * ELECTRIC, GAS & SANITARY SERVICES
Potential COC: TPH-diesel
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: PARK AVENUE EASEMENT
Alias Type: Alternate Name
Alias Name: SO CAL GAS CO PARK AVE EASEMENT
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS COMPANY
Alias Type: Alternate Name
Alias Name: 301107
Alias Type: Project Code (Site Code)
Alias Name: 19490249
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

PARK AVENUE EASEMENT (Continued) **S118756529**

Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 06/21/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 10/10/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/09/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 04/22/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Workplan
Completed Date: 07/25/2002
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

90
WSW
1/2-1
0.550 mi.
2906 ft.

NSC LONG BCH **ENVIROSTOR** **S107736928**
N/A

TORRANCE, CA

Relative:
Lower

Actual:
126 ft.

ENVIROSTOR:
Facility ID: 80000670
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress

NSC LONG BCH (Continued) **S107736928**

Assembly: 63
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.96055
Longitude: -118.1941
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F687000
Alias Type: Federal Facility ID
Alias Name: J09CA1078
Alias Type: INPR
Alias Name: 80000670
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

91
SW
1/2-1
0.551 mi.
2908 ft.

PQ CORP. **ENVIROSTOR** **S118757395**
8401 QUARTZ AVENUE **N/A**
SOUTH GATE, CA 90280

Relative:
Lower

Actual:
123 ft.

ENVIROSTOR:
Facility ID: 71002103
Status: No Action Required
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 63

PQ CORP. (Continued) **S118757395**

Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.95799
Longitude: -118.1923
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD000085332
Alias Type: EPA Identification Number
Alias Name: 110001153279
Alias Type: EPA (FRS #)
Alias Name: 71002103
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: 02/26/2007
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

92
ENE
1/2-1
0.580 mi.
3065 ft.

PACIFIC ALTENATORS
5247 FLORENCE
BELL, CA 90201

ENVIROSTOR **S113014172**
HAZNET **N/A**

Relative:
Lower

Actual:
126 ft.

ENVIROSTOR:
Facility ID: 60001975
Status: Active
Status Date: 09/29/2015
Site Code: 301649
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 1.46
NPL: NO
Regulatory Agencies: SMBRP, US EPA
Lead Agency: SMBRP,US EPA
Program Manager: Patrick Movlay
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 63
Senate: 33

PACIFIC ALTENATORS (Continued) **S113014172**

Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.96872
Longitude: -118.1729
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 301649
Alias Type: Project Code (Site Code)
Alias Name: 60001975
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 06/11/2014
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HAZNET:
envid: S113014172
Year: 2000
GEPAID: CAD982314106
Contact: JOSEPHINE SANDOVAL/OFFICE MGR
Telephone: 3233853006
Mailing Name: Not reported
Mailing Address: 5247 FLORENCE AVE
Mailing City,St,Zip: BELL, CA 902012917
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.23
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

PACIFIC ALTENATORS (Continued) **S113014172**

envid: S113014172
Year: 1998
GEPAID: CAD982314106
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 5247 FLORENCE AVE
Mailing City,St,Zip: BELL, CA 902012917
Gen County: Not reported
TSD EPA ID: CAD093459485
TSD County: Not reported
Waste Category: Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: Transfer Station
Tons: .4420
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113014172
Year: 1998
GEPAID: CAD982314106
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 5247 FLORENCE AVE
Mailing City,St,Zip: BELL, CA 902012917
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: .2418
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

93
South
1/2-1
0.637 mi.
3361 ft.

Relative:
Lower

Actual:
115 ft.

AMERON
4635 FIRESTONE BLVD.
SOUTH GATE, CA 90280

ENVIROSTOR **U001563643**
LUST **N/A**
VCP
HIST UST
HAZNET
WDS

ENVIROSTOR:
Facility ID: 19320200
Status: Certified
Status Date: 09/27/2013
Site Code: 301627
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 28
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Jessy Fierro
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth

AMERON (Continued) **U001563643**

Assembly: 63
Senate: 33
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.95391
Longitude: -118.1866
APN: 6216-008-022, 6216008024, 6216008027
Past Use: MACHINE SHOP, MANUFACTURING - OTHER
Potential COC: Arsenic TPH-gas TPH-MOTOR OIL n-Butylbenzene sec-Butylbenzene Ethylbenzene n-Propylbenzene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene Xylenes
Confirmed COC: Arsenic n-Propylbenzene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene TPH-gas n-Butylbenzene sec-Butylbenzene Ethylbenzene Toluene TPH-MOTOR OIL Xylenes
Potential Description: SOIL
Alias Name: AMERICAN PIPE AND CONSTRUCTION COMPANY
Alias Type: Alternate Name
Alias Name: WESTERN CONCRETE PIPE COMPANY
Alias Type: Alternate Name
Alias Name: 6216-008-022
Alias Type: APN
Alias Name: 6216008024
Alias Type: APN
Alias Name: 6216008027
Alias Type: APN
Alias Name: 110002957113
Alias Type: EPA (FRS #)
Alias Name: 301256
Alias Type: Project Code (Site Code)
Alias Name: 301627
Alias Type: Project Code (Site Code)
Alias Name: 19320200
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 09/27/2013
Comments: DTSC has approved the remediation activities.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 03/08/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 11/28/2005
Comments: Based on the Characterization data for the Ameron Site, an NFA letter was provided by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

AMERON (Continued) **U001563643**

Completed Document Type: Supplemental Site Investigation Report
Completed Date: 11/28/2005
Comments: The Final Site Characterization Report is approved and no further action is required for the Site soil.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 07/27/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 09/27/2013
Comments: The Report described excavation and confirmation sampling activities. Based on the information, DTSC determined no further action is necessary at the Site.

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

LUST:
Region: STATE
Global Id: T10000004697
Latitude: 33.9529074596633
Longitude: -118.187836110592
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/15/2013
Lead Agency: LOS ANGELES COUNTY
Case Worker: PGT
Local Agency: LOS ANGELES COUNTY
RB Case Number: Not reported
LOC Case Number: 013060-057615
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel, Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T10000004697
Contact Type: Local Agency Caseworker
Contact Name: PHILLIP GHARIBIANS-TABRIZI
Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA
Email: pgharibians@dpw.lacounty.gov

AMERON (Continued) **U001563643**

Phone Number: Not reported

Status History:
Global Id: T10000004697
Status: Completed - Case Closed
Status Date: 04/15/2013

Global Id: T10000004697
Status: Open - Case Begin Date
Status Date: 01/11/2013

Global Id: T10000004697
Status: Open - Site Assessment
Status Date: 04/15/2013

Regulatory Activities:
Global Id: T10000004697
Action Type: Other
Date: 01/11/2013
Action: Leak Discovery

Global Id: T10000004697
Action Type: ENFORCEMENT
Date: 06/17/2013
Action: Closure/No Further Action Letter

Global Id: T10000004697
Action Type: Other
Date: 01/11/2013
Action: Leak Stopped

Global Id: T10000004697
Action Type: Other
Date: 01/11/2013
Action: Leak Began

Global Id: T10000004697
Action Type: Other
Date: 03/05/2013
Action: Leak Reported

Global Id: T10000004697
Action Type: REMEDIATION
Date: 01/14/2013
Action: Excavation

VCP:
Facility ID: 19320200
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 28
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP

AMERON (Continued) **U001563643**

Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Jessy Fierro
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Site Code:	301627
Assembly:	63
Senate:	33
Special Programs Code:	Voluntary Cleanup Program
Status:	Certified
Status Date:	09/27/2013
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.95391 / -118.1866
APN:	6216-008-022, 6216008024, 6216008027
Past Use:	MACHINE SHOP, MANUFACTURING - OTHER
Potential COC:	30001, 30025, 3002502, 30103, 30104, 30272, 30499, 30550, 30577, 30578, 30593
Confirmed COC:	30001,30499,30577,30578,30025,30103,30104,30272,30550,3002502,30593
Potential Description:	SOIL
Alias Name:	AMERICAN PIPE AND CONSTRUCTION COMPANY
Alias Type:	Alternate Name
Alias Name:	WESTERN CONCRETE PIPE COMPANY
Alias Type:	Alternate Name
Alias Name:	6216-008-022
Alias Type:	APN
Alias Name:	6216008024
Alias Type:	APN
Alias Name:	6216008027
Alias Type:	APN
Alias Name:	110002957113
Alias Type:	EPA (FRS #)
Alias Name:	301256
Alias Type:	Project Code (Site Code)
Alias Name:	301627
Alias Type:	Project Code (Site Code)
Alias Name:	19320200
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	No Further Action Letter
Completed Date:	09/27/2013
Comments:	DTSC has approved the remediation activities.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	03/08/2005
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	No Further Action Letter
Completed Date:	11/28/2005
Comments:	Based on the Characterization data for the Ameron Site, an NFA letter was provided by DTSC.

AMERON (Continued) **U001563643**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 11/28/2005
Comments: The Final Site Characterization Report is approved and no further action is required for the Site soil.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 07/27/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 09/27/2013
Comments: The Report described excavation and confirmation sampling activities. Based on the information, DTSC determined no further action is necessary at the Site.

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

HIST UST:
File Number: 00026326
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026326.pdf
Region: STATE
Facility ID: 00000006403
Facility Type: Gas Station
Other Type: GARAGE FACILITY
Contact Name: MR. J. SMYTH
Telephone: 2135642511
Owner Name: AMERON, INC.
Owner Address: 4700 RAMONA BLVD.
Owner City,St,Zip: MONTEREY PARK, CA 91754
Total Tanks: 0006

Tank Num: 001
Container Num: 0822-249
Year Installed: 1948
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 3/16
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 0822-250
Year Installed: 1948

AMERON (Continued) **U001563643**

Tank Capacity: 00000560
Tank Used for: WASTE
Type of Fuel: REGULAR
Container Construction Thickness: 3/16
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 0822-064 A
Year Installed: 1956
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 0822-019
Year Installed: 1957
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 0822-076
Year Installed: 1956
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 006
Container Num: 0822-064 B
Year Installed: 1956
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

HAZNET:
envid: U001563643
Year: 2013
GEPAID: CAC002730866
Contact: VANESSA DELGADO
Telephone: 3106251177
Mailing Name: Not reported
Mailing Address: 201 S FIGUEROA ST STE 300
Mailing City,St,Zip: LOS ANGELES, CA 900122543
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Not reported

AMERON (Continued) **U001563643**

Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.084
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Not reported

envid: U001563643
Year: 2013
GEPAID: CAC002716696
Contact: VANESSA DELGADO
Telephone: 3106251177
Mailing Name: Not reported
Mailing Address: 201 S FIGUEROA ST STE 300
Mailing City,St,Zip: LOS ANGELES, CA 900122543
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.3336
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Not reported

WDS:
Facility ID: 4 19I004359
Facility Type: Not reported
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: Not reported
Facility Contact: Not reported
Agency Name: AMERON INC.
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Not reported
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared

AMERON (Continued) **U001563643**

to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

V94 **VAPEX** **HWP** **S100569143**
SW **8600 RHEEM AVE** **N/A**
1/2-1 **SOUTH GATE, CA 90280**
0.655 mi.
3461 ft. **Site 1 of 2 in cluster V**

Relative:
Lower

Actual:
122 ft.

HWP:

EPA Id:	CAD008385791
Cleanup Status:	PROTECTIVE FILER
Latitude:	33.95604
Longitude:	-118.1929
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Assembly District:	63
Senate District:	33
Public Information Officer:	Not reported
Public Information Officer:	Not reported

Activities:

EPA Id:	CAD008385791
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	Protective Filer Status - PROTECTIVE FILER (APPROVED)
Actual Date:	06/17/1988

EPA Id:	CAD008385791
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	Protective Filer Status - PROTECTIVE FILER (RECEIVED)
Actual Date:	09/29/1986

Alias:

EPA Id:	CAD008385791
Facility Type:	Historical - Non-Operating
Alias Type:	FRS
Alias:	110009528715

V95 **VAPEX** **ENVIROSTOR** **S101298197**
SW **8600 RHEEM AVENUE** **LUST** **N/A**
1/2-1 **SOUTH GATE, CA 90280** **SLIC**
0.655 mi. **SWEEPS UST**
3461 ft. **Site 2 of 2 in cluster V** **EMI**
HIST CORTESE

Relative:
Lower

Actual:
122 ft.

ENVIROSTOR:

Facility ID:	80001577
Status:	* Inactive
Status Date:	01/01/2008
Site Code:	Not reported
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Not reported
Supervisor:	* Unknown
Division Branch:	Cleanup Chatsworth
Assembly:	63
Senate:	33
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.95516
Longitude:	-118.1926
APN:	6216003007
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	6216003007
Alias Type:	APN
Alias Name:	CAD008385791
Alias Type:	EPA Identification Number
Alias Name:	110009528715
Alias Type:	EPA (FRS #)
Alias Name:	T0603710780
Alias Type:	GeoTracker Global ID
Alias Name:	80001577
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	01/19/2010
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported

VAPEX (Continued) **S101298197**

Schedule Revised Date: Not reported

LUST:

Region:	STATE
Global Id:	T0603704222
Latitude:	33.9556826
Longitude:	-118.1927494
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/03/1991
Lead Agency:	LOS ANGELES COUNTY
Case Worker:	JOA
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	I-14919
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603704222
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603704222
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603704222
Status:	Completed - Case Closed
Status Date:	07/03/1991

Global Id:	T0603704222
Status:	Open - Case Begin Date
Status Date:	06/23/1990

Global Id:	T0603704222
Status:	Open - Site Assessment
Status Date:	08/01/1990

Regulatory Activities:

Global Id:	T0603704222

VAPEX (Continued) **S101298197**

Action Type: Other
Date: 06/23/1990
Action: Leak Discovery

Global Id: T0603704222
Action Type: Other
Date: 06/23/1990
Action: Leak Stopped

Global Id: T0603704222
Action Type: Other
Date: 08/01/1990
Action: Leak Reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-14919
Status: Case Closed
Substance: Cutting Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704222
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: FIRESTONE BLVD.
Enforcement Type: Not reported
Date Leak Discovered: 6/23/1990
Date Leak First Reported: 8/1/1990
Date Leak Record Entered: 10/22/1990
Date Confirmation Began: Not reported
Date Leak Stopped: 6/23/1990
Date Case Last Changed on Database: 7/3/1991
Date the Case was Closed: 7/3/1991
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: FREESE, TOM
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 2274.1653025682779103064685 68
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 8/1/1990
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported

VAPEX (Continued) **S101298197**

Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: COMBUSTION ENGINEERING
RP Address: P.O. BOX 93808, STANFORD, CO., 06904
Program: LUST
Lat/Long: 33.9556826 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

SLIC:
Region: STATE
Facility Status: **Open - Site Assessment**
Status Date: 05/19/2008
Global Id: T0603710780
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: 014344-014919
Latitude: 33.955606
Longitude: -118.192152
Case Type: Cleanup Program Site
Case Worker: ACJ
Local Agency: Not reported
RB Case Number: 1221
File Location: Regional Board
Potential Media Affected: Soil, Soil Vapor
Potential Contaminants of Concern: Tetrachloroethylene (PCE), Gasoline
Site History: The subject Site consists of 2 parcels (APN 6216-003-006 and APN 6216-003-007) encompassing an area of approximately 5 acres. Site improvements include a large manufacturing building, parking lot, and smaller storage building. Reliable Re-manufacturers (Vapex) occupied the Site between 1989 and 2006 and operated an auto parts remanufacturing business (clutches, carburetors, distributors). Former Site businesses include Rheem Manufacturing (1930 to 1987, metal storage drum production) and Cast Industrial (foundry sand reclamation, 1987-1989). The UST that was closed in 2008 (removed in 1989) contained gasoline. The Rheem Manufacturing operation utilized an underground sump, caustic dip tank, metal plating line, wastewater treatment system, and waste materials storage facility. Between 1990 and 2002, Vapex reportedly operated a 250 gallon perchloroethene (PCE) vapor degreaser at an unknown Site location. Potential Contaminants of Concern (COCs) generated by these businesses include (not limited to): gasoline, PCE, caustic additives, metal plating solutions, asbestos, and metals.

Click here to access the California GeoTracker records for this facility:

SWEEPS UST:
Status: Active

VAPEX (Continued) **S101298197**

Comp Number: 14919
Number: 9
Board Of Equalization: Not reported
Referral Date: 08-23-90
Action Date: 08-23-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

EMI:
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 72499
Air District Name: SC
SIC Code: 3321
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-14919

96
SSW
1/2-1
0.662 mi.
3494 ft.

BOWERS MANUFACTURING FACILITY
8685 BOWERS AVENUE
SOUTH GATE, CA 90280

ENVIROSTOR **S100867622**
LUST **N/A**
DEED
HIST CORTESE

Relative:
Lower

Actual:
117 ft.

ENVIROSTOR:
Facility ID: 71002095
Status: Certified O&M - Land Use Restrictions Only
Status Date: 04/10/2010
Site Code: 301163
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: 9.8
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP

BOWERS MANUFACTURING FACILITY (Continued) **S100867622**

Program Manager:	Johnson Abraham
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	63
Senate:	33
Special Program:	Not reported
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.95438
Longitude:	-118.1905
APN:	6216-003-005, 6216-005-004, 6216-008-002
Past Use:	MANUFACTURING - ELECTRONIC
Potential COC:	Arsenic Polychlorinated biphenyls (PCBs Silver Tetrachloroethylene (PCE TPH-diesel TPH-MOTOR OIL TPH-Stoddard Solvent 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Antimony and compounds Barium and compounds Beryllium and compounds Cadmium and compounds Cobalt Copper and compounds Cyanide (free 1,1-Dichloroethane 1,1-Dichloroethylene 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans Mercury and compounds Molybdenum Nickel Polychlorinated biphenyls (PCBs, see IRIS Selenium Thallium and compounds Toluene Vanadium and compounds Zinc
Confirmed COC:	Arsenic Thallium and compounds Tetrachloroethylene (PCE TPH-diesel 1,1,1-Trichloroethane (TCA Antimony and compounds Barium and compounds 30468-NO 30357-NO Cadmium and compounds 30152-NO 30153-NO Copper and compounds 30160-NO 1,1-Dichloroethane 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans 30402-NO 30407-NO 30550-NO TPH-MOTOR OIL 30587-NO 30594-NO 30018-NO 30021-NO Trichloroethylene (TCE 1,1-Dichloroethylene 30080-NO 30154-NO 3002503-NO
Potential Description:	OTH, SOIL, SV
Alias Name:	6216-003-005
Alias Type:	APN
Alias Name:	6216-005-004
Alias Type:	APN
Alias Name:	6216-008-002
Alias Type:	APN
Alias Name:	CAD063822936
Alias Type:	EPA Identification Number
Alias Name:	110009531266
Alias Type:	EPA (FRS #)
Alias Name:	301163
Alias Type:	Project Code (Site Code)
Alias Name:	71002095
Alias Type:	Envirostor ID Number
Alias Name:	71002516
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Acknowledgement of Satisfaction
Completed Date:	04/13/2010
Comments:	Project Manager: Nora

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	06/15/2017

BOWERS MANUFACTURING FACILITY (Continued) **S100867622**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 07/07/2014
Comments: DTSC completed a Land Use Restrictions Inspection Report based on a site inspection conducted on April 25, 2014. DTSC concluded that there does not appear to be any violations of the restrictions regarding land use and activities identified in the Land Use Covenant.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 01/27/2010
Comments: Project Manager: Nora

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 04/13/2010
Comments: Project Manager: Nora

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/14/2016
Comments: On March 14, 2016, DTSC provided notification of the DTSC project manager change for the Site, effective immediately.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 05/28/2015
Comments: DTSC completed a Land Use Restrictions Inspection Report based on a site inspection conducted on May 21, 2015. DTSC concluded that there does not appear to be any violations of the restrictions regarding land use and activities identified in the Land Use Covenant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/08/2014
Comments: On July 8, 2014, DTSC requested a plan be provided by August 4, 2014 to address the cover maintenance aspect of the Site remedy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 05/10/2012
Comments: On May 10, 2012, DTSC completed a Land Use Restrictions Inspection Report based on a site inspection conducted on May 4, 2012. DTSC concluded that there does not appear to be any violations of the restrictions regarding land use and activities identified in the Land Use Covenant.

BOWERS MANUFACTURING FACILITY (Continued) **S100867622**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 04/20/2016
Comments: DTSC completed the Inspection Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 05/21/2013
Comments: On May 21, 2013, DTSC completed a Land Use Restrictions Inspection Report based on a site inspection conducted on May 16, 2013. DTSC concluded that there does not appear to be any violations of the restrictions regarding land use and activities identified in the Land Use Covenant.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/14/2012
Comments: On March 14, 2012, DTSC provided notification of a change in DTSC project managers for the Site and associated contact information in accordance with the Land Use Covenant for the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Action Completion Determination
Completed Date: 04/13/2010
Comments: Project Manager: Nora

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 08/03/2004
Comments: A fully executed Corrective Action Consent Agreement was issued to Martin & Bruce Massman

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/21/2014
Comments: On August 21, 2014, DTSC provided a cost estimate of DTSC oversight activities for July 1, 2014 through June 30, 2015. However, on August 26, 2014, the letter was re-issued due to uncertainty of receipt of the August 21, 2014 letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/10/2013
Comments: In a letter, dated January 10, 2013, DTSC provided a cost estimate and schedule for calendar year 2013.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/12/2012

BOWERS MANUFACTURING FACILITY (Continued) **S100867622**

Comments: On December 12, 2012, DTSC received a letter, dated December 7,2012, indicating a change in mailing address effective December 22, 2012 regarding the Bowers Manufacturing Facility property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/21/2012
Comments: On November 21, 2012, DTSC received a letter, dated November 20,2012, indicating a change in ownership regarding the Bowers Manufacturing Facility property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/21/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 07/05/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 05/23/2003
Comments: Inspection report sent on 5/23/2003

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Workplan
Completed Date: 01/11/2010
Comments: Project Manager: Nora

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 11/19/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 11/19/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/17/2010
Comments: New Project was created for this site, EnviroStor ID 71002095

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

BOWERS MANUFACTURING FACILITY (Continued) **S100867622**

Completed Date: 08/04/2014
Comments: On August 1, 2014, DTSC determined the cover maintenance plan, which pertains to the Current Diesel Contamination Area and the Cooling Tower Area, acceptable; DTSC also requested that a report be provided if any changes to the condition of the cover occurs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/14/2014
Comments: Via email on August 14, 2014, DTSC acknowledged receipt of the email notification that the cover in the diesel area of the Site was repaired.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/25/2014
Comments: Via email on September 25, 2014, DTSC indicated the condition of the cover remains in good condition.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 11/13/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/03/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 03/10/2010
Comments: Project Manager: Nora

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: Annual Cost Estimate mailed to RPs, Bruce Massman and Martin Massman

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/07/2016
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported

BOWERS MANUFACTURING FACILITY (Continued) **S100867622**

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:
Region: STATE
Global Id: T0603705075
Latitude: 33.954391
Longitude: -118.190516
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/22/1997
Lead Agency: LOS ANGELES COUNTY
Case Worker: JOA
Local Agency: LOS ANGELES COUNTY
RB Case Number: R-11829
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603705075
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603705075
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0603705075
Status: Completed - Case Closed
Status Date: 09/22/1997

Global Id: T0603705075
Status: Open - Case Begin Date
Status Date: 09/22/1997

Regulatory Activities:
Global Id: T0603705075
Action Type: Other
Date: 09/22/1997

BOWERS MANUFACTURING FACILITY (Continued) **S100867622**

Action: Leak Reported

DEED:
Envirostor ID: 71002095
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: TIERED PERMIT
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 03/10/2010

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-11829

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97 SE 1/2-1 0.720 mi. 3800 ft.

SHULTZ STEEL COMPANY **ENVIROSTOR** **S113004845**
8621 S RAYO ST **HAZNET** **N/A**
SOUTH GATE, CA 90280

Relative: Lower

Actual: 111 ft.

ENVIROSTOR:
Facility ID: 60001976
Status: No Further Action
Status Date: 02/03/2015
Site Code: 301654
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 25
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Willard Garrett
Supervisor: Manny Alonzo
Division Branch: Cleanup Cypress
Assembly: 63
Senate: 33
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.95389
Longitude: -118.1765
APN: NONE SPECIFIED
Past Use: MANUFACTURING - METAL
Potential COC: Arsenic Tetrachloroethylene (PCE Trichloroethylene (TCE 1,1-Dichloroethane 1,1-Dichloroethylene
Confirmed COC: Arsenic Tetrachloroethylene (PCE 1,1-Dichloroethane Trichloroethylene (TCE 1,1-Dichloroethylene
Potential Description: SOIL, SV, UE
Alias Name: 301654
Alias Type: Project Code (Site Code)
Alias Name: 60001976

SHULTZ STEEL COMPANY (Continued) **S113004845**

Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 05/27/2014
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HAZNET:
envid: S113004845
Year: 2015
GEPAID: CAD981396856
Contact: PETER J NASH
Telephone: 3233573277
Mailing Name: Not reported
Mailing Address: 5321 FIRESTONE BLVD
Mailing City,St,Zip: SOUTH GATE, CA 902803629
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0875
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

envid: S113004845
Year: 2015
GEPAID: CAD981396856
Contact: PETER J NASH
Telephone: 3233573277
Mailing Name: Not reported
Mailing Address: 5321 FIRESTONE BLVD
Mailing City,St,Zip: SOUTH GATE, CA 902803629
Gen County: Los Angeles
TSD EPA ID: AZR000030452
TSD County: 99
Waste Category: Unspecified oil-containing waste
Disposal Method: Stabilization Or Chemical Fixation Prior To Disposal At Another Site
Tons: 14.595
Cat Decode: Unspecified oil-containing waste
Method Decode: Stabilization Or Chemical Fixation Prior To Disposal At Another Site
Facility County: Los Angeles

SHULTZ STEEL COMPANY (Continued) **S113004845**

envid: S113004845
Year: 2015
GEPAID: CAD981396856
Contact: PETER J NASH
Telephone: 3233573277
Mailing Name: Not reported
Mailing Address: 5321 FIRESTONE BLVD
Mailing City,St,Zip: SOUTH GATE, CA 902803629
Gen County: Los Angeles
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 6.7424
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

envid: S113004845
Year: 2015
GEPAID: CAD981396856
Contact: PETER J NASH
Telephone: 3233573277
Mailing Name: Not reported
Mailing Address: 5321 FIRESTONE BLVD
Mailing City,St,Zip: SOUTH GATE, CA 902803629
Gen County: Los Angeles
TSD EPA ID: CAD982444481
TSD County: San Bernardino
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 12.642
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

envid: S113004845
Year: 2015
GEPAID: CAD981396856
Contact: PETER J NASH
Telephone: 3233573277
Mailing Name: Not reported
Mailing Address: 5321 FIRESTONE BLVD
Mailing City,St,Zip: SOUTH GATE, CA 902803629
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Other inorganic solid waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.22935
Cat Decode: Other inorganic solid waste
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

SHULTZ STEEL COMPANY (Continued) **S113004845**

(H010-H129) Or (H131-H135)
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
124 additional CA_HAZNET: record(s) in the EDR Site Report.

98
SW
1/2-1
0.720 mi.
3801 ft.

CHEM-NICKEL COMPANY, INC
8414 OTIS AVENUE
SOUTH GATE, CA 90280

ENVIROSTOR **S106386987**
SLIC **N/A**
HAZNET
LA Co. Site Mitigation

Relative:
Lower

Actual:
123 ft.

ENVIROSTOR:

Facility ID:	19340423
Status:	Refer: RWQCB
Status Date:	12/12/1996
Site Code:	300181
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Assembly:	63
Senate:	33
Special Program:	* CERC2
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.95861
Longitude:	-118.1955
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* HALOGENATED ORGANIC COMPOUNDS * Metals - Sludge * CONTAMINATED SOIL * ACID SOLUTION 2>PH WITH METALS * Sludge - Halogenated Compounds * UNSPECIFIED ACID SOLUTION * UNSPECIFIED ALKALINE SOLUTIONS * WASTE OIL & MIXED OIL * ORGANIC LIQUIDS (NONSOLVENTS) WITH HALOGENS Chromium VI Nickel
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD008337941
Alias Type:	EPA Identification Number
Alias Name:	110002632740
Alias Type:	EPA (FRS #)
Alias Name:	300181
Alias Type:	Project Code (Site Code)
Alias Name:	19340423
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	11/18/1980
Comments:	FACILITY IDENTIFIED FAC ID LACSD LACSD SEWERED FAC

CHEM-NICKEL COMPANY, INC (Continued) **S106386987**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/09/1995
Comments: County lead site, NFA for DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/11/1994
Comments: As a followup of the RWQCB's April 25, 1994 correspondence, the Department contacted LA County Fire Department. The County staff stated that County is still the lead agency. The groundwater portion of the site was referred by County to the RWQCB.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 01/12/1988
Comments: PRELIM ASSESS DONE CO HLTH LEAD AGENCY

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/22/1987
Comments: SITE SCREENING DONE RATIONALE - POSS ONSITE CONTAM

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

SLIC REG 4:
Region: 4
Facility Status: Site Assessment
SLIC: 0315
Substance: Not reported
Staff: SSH

HAZNET:
envid: S106386987
Year: 2015
GEPAID: CAD008337941
Contact: STEVEN VAN DER HOVEN
Telephone: 2095992004
Mailing Name: Not reported
Mailing Address: 351 RUESS RD
Mailing City,St,Zip: RIPON, CA 95366
Gen County: Los Angeles
TSD EPA ID: NED981723513
TSD County: 99

CHEM-NICKEL COMPANY, INC (Continued) **S106386987**

Waste Category: Other inorganic solid waste
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 1
Cat Decode: Other inorganic solid waste
Method Decode: Incineration--Thermal Destruction Other Than Use As A Fuel
Facility County: Los Angeles

LA Co. Site Mitigation:
Facility ID: FA0019524
Site ID: SD0010192
Jurisdiction: State
Case ID: RO0010192
Abated: Yes
Assigned To: Shahin Nourishad
Entered Date: 05/11/2004
Abated Date: 04/27/1995

99
SSW
1/2-1
0.780 mi.
4118 ft.

Relative:
Lower

Actual:
114 ft.

GREENS CLEANERS
4600 FIRESTONE BLVD
SOUTH GATE, CA 90280

RCRA-SQG **1000208405**
RESPONSE **CAD981619927**
ENVIROSTOR
FINDS
ECHO
Cortese
EMI
HAZNET

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: GREENS CLEANERS
Facility address: 4600 FIRESTONE BLVD
SOUTH GATE, CA 90280
EPA ID: CAD981619927
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: DANIEL MYUNG
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

GREENS CLEANERS (Continued) **1000208405**

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 12/29/1986
Site name: GREENS CLEANERS
Classification: Large Quantity Generator

Violation Status: No violations found

RESPONSE:
Facility ID: 60002279
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 0.16
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Christine Chiu
Supervisor: Yolanda Garza
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 301731
Site Mgmt. Req.: NONE SPECIFIED
Assembly: , 63
Senate: , 33
Special Program Status: Not reported
Status: Active
Status Date: 12/01/2015
Restricted Use: NO
Funding: Responsible Party
Latitude: 33.95218
Longitude: -118.1888
APN: 6216016026

GREENS CLEANERS (Continued) **1000208405**

Past Use: DRY CLEANING
Potential COC : Tetrachloroethylene (PCE
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL, SV
Alias Name: Green's Cleaners & Laundry
Alias Type: Alternate Name
Alias Name: Green's Dry Cleaners
Alias Type: Alternate Name
Alias Name: 6216016026
Alias Type: APN
Alias Name: 301731
Alias Type: Project Code (Site Code)
Alias Name: 60002279
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 04/26/2016
Comments: On April 26, 2016, the pre-HARP was approved by two supervisors for PEA fieldwork (May 6 - 10, 2016). On May 2, 2016, two IH names were added to the field team list (for on-the-job training purposes).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/17/2017
Comments: Via email on January 17, 2017, DTSC received the Monthly Summary Report, dated January 17, 2017 in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/15/2017
Comments: Via email on February 15, 2017, DTSC received the Monthly Summary Report, dated February 15, 2017 in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/15/2017
Comments: Via email on March 15, 2017, DTSC received the Monthly Summary Report, dated March 15, 2017 in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/17/2017
Comments: Via email on April 17, 2017, DTSC received the Monthly Summary Report, dated April 17, 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/15/2017
Comments: Via email on May 15, 2017, DTSC received the Monthly Summary Report, dated May 15, 2017.

GREENS CLEANERS (Continued) **1000208405**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/15/2017
Comments: Via email on June 15, 2017, DTSC received the Monthly Summary Report, dated June 15, 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Work Plan
Completed Date: 04/13/2016
Comments: On April 13, 2016, DTSC conditionally approved the PEA Workplan provided specific comments are implemented and/or addressed during PEA fieldwork and in the PEA Report, accordingly.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/21/2016
Comments: On January 21, 2016, DTSC granted the January 14, 2016 request to rescind the requirement to prepare and submit the Communication and Coordination Plan (as required in Section 6.1.1 of RAO).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/10/2016
Comments: PEA fieldwork was conducted May 6 through May 10, 2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 05/02/2016
Comments: Via emails, DTSC was notified that the work notice for PEA fieldwork was scheduled for distribution twice, on April 19, 2016 and May 2, 2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/11/2016
Comments: In a letter, dated July 11, 2016, DTSC determined the PEA Technical Memorandum to be incomplete, however, the intent of the PEA was met and additional steps are needed to be conducted promptly.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 09/02/2016
Comments: On September 2, 2016, DTSC conditionally approved the Focused Remedial Investigation Revised Work Plan -- Vapor Intrusion Assessment and provided conditions to incorporated into and implemented as part of the Work Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report

GREENS CLEANERS (Continued) **1000208405**

Completed Date: 09/16/2016
Comments: In a letter, dated September 16, 2016, DTSC indicated that additional investigation is necessary and requested a Remedial Investigation workplan be submitted by October 31, 2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 04/10/2017
Comments: On April 6, 2017, DTSC conditionally approved the Remedial Investigation Work Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/02/2017
Comments: On February 2, 2017, DTSC provided comments on the Vapor Intrusion Assessment Report for the record and for the Respondents to address in future Site activities and documents.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/21/2017
Comments: In a letter, dated February 21, 2017, DTSC provided a response and comments regarding the Response to Comments on the Conceptual Site Model and RI Workplan. The letter indicated DTSC does not concur with the interpretation of the CSM and that all DTSC comments regarding the CSM are to be addressed in the final RI Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 05/24/2017
Comments: In a letter, dated May 24,2017, DTSC approved the Addendum to the Vapor Intrusion Assessment Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/15/2016
Comments: Via email on August 15, 2016, DTSC received the Monthly Summary Report, dated August 15, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 09/19/2016
Comments: On 09/19/2016, the pre-HARP was approved by one supervisor & one acting supervisor for vapor intrusion fieldwork (Sept 20 - 22, 2016).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/22/2016
Comments: Via email on January 22, 2016, DTSC received the Notice of Intent to Comply in accordance with the Order.

GREENS CLEANERS (Continued) **1000208405**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 04/28/2017
Comments: Via a letter, dated April 28, 2017, DTSC transmitted a cost estimate of DTSC oversight charges for the period of approximately May 1, 2017 through June 30, 2018.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/23/2016
Comments: In a letter, dated June 23, 2016, DTSC reiterated that Site investigation activities related to legal matters external to the requirements of the Order must not take precedence over compliance with the directives outlined in the Order. The letter directs the Respondents to submit a Remedial Investigation Workplan by July 8, 2016 and distribute the community survey by August 15, 2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/18/2016
Comments: Via email on July 18, 2016, DTSC received the (past due) Monthly Summary Report, dated July 18, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/15/2016
Comments: Via email on September 15, 2016, DTSC received the Monthly Summary Report, dated September 15, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/21/2016
Comments: Via email on January 21, 2016, DTSC received the first Monthly Summary Report, dated January 21, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 02/04/2016
Comments: On February 4, 2016, the Post-HARP (for the February 4, 2016 site visit) was signed by two supervisors.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/15/2016
Comments: Via email on December 15, 2016, DTSC received the Monthly Summary Report, dated December 15, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence

GREENS CLEANERS (Continued) **1000208405**

Completed Date: 12/30/2015
Comments: Via email on December 30,2015, DTSC received a notification letter, dated December 30, 2015, identifying the Project Coordinator and Project Geologist and the associated contact information and statement of qualifications of the consulting firm in accordance with the Remedial Action Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/16/2016
Comments: Via email on February 16, 2016, DTSC received the Monthly Summary Report, dated February 15, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/15/2016
Comments: Via email on March 15, 2016, DTSC received the Monthly Summary Report, dated March 15, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/15/2016
Comments: Via email on April 15, 2016, DTSC received the Monthly Summary Report, dated April 15, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/17/2016
Comments: Via email on May 17, 2016, DTSC received the Monthly Summary Report, dated May 17, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/15/2016
Comments: Via email on June 15, 2016, DTSC received the Monthly Summary Report, dated June 15, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/17/2016
Comments: Via email on October 17, 2016, DTSC received the Monthly Summary Report, dated October 17, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 05/17/2016
Comments: On May 17, 2016, the post-HARP for May 9, 2016 was completed with signatures of supervisors.

Completed Area Name: PROJECT WIDE

GREENS CLEANERS (Continued) **1000208405**

Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/15/2016
Comments: Via email on November 15, 2016, DTSC received the Monthly Summary Report, dated November 15, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/04/2016
Comments: On February 4, 2016, DTSC conducted a site tour.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 12/22/2015
Comments: On December 22, 2015, DTSC issued Remedial Action Order, Docket No. HSA-FY15/16-072, to two Respondents.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/21/2017
Comments: In a letter, dated February 21, 2017, DTSC confirmed its understanding that the Respondents assumed LAUSD's responsibilities to required O&M at the SRES#4 site, secured access, will conduct all O&M activities and Five-Year Reviews at SRES#4, and conduct sampling activities at SRES#4 during RI activities.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 02/03/2016
Comments: On February 3, 2016, the pre-HARP was approved by two supervisors.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Investigation Report
Schedule Due Date: 10/14/2017
Schedule Revised Date: 01/28/2018
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Public Participation Plan / Community Relations Plan
Schedule Due Date: 12/31/2016
Schedule Revised Date: 08/09/2017

ENVIROSTOR:
Facility ID: 60002279
Status: Active
Status Date: 12/01/2015
Site Code: 301731
Site Type: State Response
Site Type Detailed: State Response or NPL

GREENS CLEANERS (Continued) **1000208405**

Acres:	0.16
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Christine Chiu
Supervisor:	Yolanda Garza
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	, 63
Senate:	, 33
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.95218
Longitude:	-118.1888
APN:	6216016026
Past Use:	DRY CLEANING
Potential COC:	Tetrachloroethylene (PCE
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL, SV
Alias Name:	Green’s Cleaners & Laundry
Alias Type:	Alternate Name
Alias Name:	Green’s Dry Cleaners
Alias Type:	Alternate Name
Alias Name:	6216016026
Alias Type:	APN
Alias Name:	301731
Alias Type:	Project Code (Site Code)
Alias Name:	60002279
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Pre-HARP Form
Completed Date:	04/26/2016
Comments:	On April 26, 2016, the pre-HARP was approved by two supervisors for PEA fieldwork (May 6 - 10, 2016). On May 2, 2016, two IH names were added to the field team list (for on-the-job training purposes).
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	01/17/2017
Comments:	Via email on January 17, 2017, DTSC received the Monthly Summary Report, dated January 17, 2017 in accordance with the Order.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	02/15/2017
Comments:	Via email on February 15, 2017, DTSC received the Monthly Summary Report, dated February 15, 2017 in accordance with the Order.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	03/15/2017

GREENS CLEANERS (Continued) **1000208405**

Comments: Via email on March 15, 2017, DTSC received the Monthly Summary Report, dated March 15, 2017 in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/17/2017
Comments: Via email on April 17, 2017, DTSC received the Monthly Summary Report, dated April 17, 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/15/2017
Comments: Via email on May 15, 2017, DTSC received the Monthly Summary Report, dated May 15, 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/15/2017
Comments: Via email on June 15, 2017, DTSC received the Monthly Summary Report, dated June 15, 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Work Plan
Completed Date: 04/13/2016
Comments: On April 13, 2016, DTSC conditionally approved the PEA Workplan provided specific comments are implemented and/or addressed during PEA fieldwork and in the PEA Report, accordingly.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/21/2016
Comments: On January 21, 2016, DTSC granted the January 14, 2016 request to rescind the requirement to prepare and submit the Communication and Coordination Plan (as required in Section 6.1.1 of RAO).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/10/2016
Comments: PEA fieldwork was conducted May 6 through May 10, 2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 05/02/2016
Comments: Via emails, DTSC was notified that the work notice for PEA fieldwork was scheduled for distribution twice, on April 19, 2016 and May 2, 2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

GREENS CLEANERS (Continued) **1000208405**

Completed Date: 07/11/2016
Comments: In a letter, dated July 11, 2016, DTSC determined the PEA Technical Memorandum to be incomplete, however, the intent of the PEA was met and additional steps are needed to be conducted promptly.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 09/02/2016
Comments: On September 2, 2016, DTSC conditionally approved the Focused Remedial Investigation Revised Work Plan -- Vapor Intrusion Assessment and provided conditions to incorporated into and implemented as part of the Work Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 09/16/2016
Comments: In a letter, dated September 16, 2016, DTSC indicated that additional investigation is necessary and requested a Remedial Investigation workplan be submitted by October 31, 2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 04/10/2017
Comments: On April 6, 2017, DTSC conditionally approved the Remedial Investigation Work Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/02/2017
Comments: On February 2, 2017, DTSC provided comments on the Vapor Intrusion Assessment Report for the record and for the Respondents to address in future Site activities and documents.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/21/2017
Comments: In a letter, dated February 21, 2017, DTSC provided a response and comments regarding the Response to Comments on the Conceptual Site Model and RI Workplan. The letter indicated DTSC does not concur with the interpretation of the CSM and that all DTSC comments regarding the CSM are to be addressed in the final RI Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 05/24/2017
Comments: In a letter, dated May 24,2017, DTSC approved the Addendum to the Vapor Intrusion Assessment Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence

GREENS CLEANERS (Continued) **1000208405**

Completed Date: 08/15/2016
Comments: Via email on August 15, 2016, DTSC received the Monthly Summary Report, dated August 15, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 09/19/2016
Comments: On 09/19/2016, the pre-HARP was approved by one supervisor & one acting supervisor for vapor intrusion fieldwork (Sept 20 - 22, 2016).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/22/2016
Comments: Via email on January 22, 2016, DTSC received the Notice of Intent to Comply in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 04/28/2017
Comments: Via a letter, dated April 28, 2017, DTSC transmitted a cost estimate of DTSC oversight charges for the period of approximately May 1, 2017 through June 30, 2018.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/23/2016
Comments: In a letter, dated June 23, 2016, DTSC reiterated that Site investigation activities related to legal matters external to the requirements of the Order must not take precedence over compliance with the directives outlined in the Order. The letter directs the Respondents to submit a Remedial Investigation Workplan by July 8, 2016 and distribute the community survey by August 15, 2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/18/2016
Comments: Via email on July 18, 2016, DTSC received the (past due) Monthly Summary Report, dated July 18, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/15/2016
Comments: Via email on September 15, 2016, DTSC received the Monthly Summary Report, dated September 15, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/21/2016
Comments: Via email on January 21, 2016, DTSC received the first Monthly Summary Report, dated January 21, 2016, in accordance with the Order.

GREENS CLEANERS (Continued) **1000208405**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 02/04/2016
Comments: On February 4, 2016, the Post-HARP (for the February 4, 2016 site visit) was signed by two supervisors.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/15/2016
Comments: Via email on December 15, 2016, DTSC received the Monthly Summary Report, dated December 15, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/30/2015
Comments: Via email on December 30,2015, DTSC received a notification letter, dated December 30, 2015, identifying the Project Coordinator and Project Geologist and the associated contact information and statement of qualifications of the consulting firm in accordance with the Remedial Action Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/16/2016
Comments: Via email on February 16, 2016, DTSC received the Monthly Summary Report, dated February 15, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/15/2016
Comments: Via email on March 15, 2016, DTSC received the Monthly Summary Report, dated March 15, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/15/2016
Comments: Via email on April 15, 2016, DTSC received the Monthly Summary Report, dated April 15, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/17/2016
Comments: Via email on May 17, 2016, DTSC received the Monthly Summary Report, dated May 17, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/15/2016
Comments: Via email on June 15, 2016, DTSC received the Monthly Summary Report,

GREENS CLEANERS (Continued) **1000208405**

dated June 15, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/17/2016
Comments: Via email on October 17, 2016, DTSC received the Monthly Summary Report, dated October 17, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 05/17/2016
Comments: On May 17, 2016, the post-HARP for May 9, 2016 was completed with signatures of supervisors.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/15/2016
Comments: Via email on November 15, 2016, DTSC received the Monthly Summary Report, dated November 15, 2016, in accordance with the Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/04/2016
Comments: On February 4, 2016, DTSC conducted a site tour.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 12/22/2015
Comments: On December 22, 2015, DTSC issued Remedial Action Order, Docket No. HSA-FY15/16-072, to two Respondents.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/21/2017
Comments: In a letter, dated February 21, 2017, DTSC confirmed its understanding that the Respondents assumed LAUSD's responsibilities to required O&M at the SRES#4 site, secured access, will conduct all O&M activities and Five-Year Reviews at SRES#4, and conduct sampling activities at SRES#4 during RI activities.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 02/03/2016
Comments: On February 3, 2016, the pre-HARP was approved by two supervisors.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE

GREENS CLEANERS (Continued) **1000208405**

Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Investigation Report
Schedule Due Date: 10/14/2017
Schedule Revised Date: 01/28/2018
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Public Participation Plan / Community Relations Plan
Schedule Due Date: 12/31/2016
Schedule Revised Date: 08/09/2017

FINDS:

Registry ID: 110002726382

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000208405
Registry ID: 110002726382
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002726382

CORTESE:

Region: CORTESE
Envirostor Id: 60002279
Site/Facility Type: STATE RESPONSE
Cleanup Status: ACTIVE
Status Date: 12/01/2015
Site Code: 301731
Latitude: 33.952189
Longitude: -118.18881
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: envirostor
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported

GREENS CLEANERS (Continued) **1000208405**

Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	42821
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	42821
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	42821
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1995
County Code:	19

GREENS CLEANERS (Continued) **1000208405**

Air Basin:	SC
Facility ID:	42821
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HAZNET:

envid:	1000208405
Year:	2008
GEPAID:	CAD981619927
Contact:	DANIEL MYUNG - OWNER
Telephone:	3235678997
Mailing Name:	Not reported
Mailing Address:	4600 FIRESTONE BLVD
Mailing City,St,Zip:	SOUTH GATE, CA 902803402
Gen County:	Not reported
TSD EPA ID:	CAD008302903
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Solvents Recovery
Tons:	0.1251
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000208405
Year:	2007
GEPAID:	CAD981619927
Contact:	DANIEL MYUNG - OWNER
Telephone:	3235678997
Mailing Name:	Not reported
Mailing Address:	4600 FIRESTONE BLVD
Mailing City,St,Zip:	SOUTH GATE, CA 902803402
Gen County:	Not reported
TSD EPA ID:	NVR000076158
TSD County:	Not reported
Waste Category:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	Solvents Recovery
Tons:	0.25
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000208405
Year:	2007
GEPAID:	CAD981619927
Contact:	DANIEL MYUNG - OWNER

GREENS CLEANERS (Continued) **1000208405**

Telephone:	3235678997
Mailing Name:	Not reported
Mailing Address:	4600 FIRESTONE BLVD
Mailing City,St,Zip:	SOUTH GATE, CA 902803402
Gen County:	Not reported
TSD EPA ID:	NVR000076158
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Solvents Recovery
Tons:	Not reported
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000208405
Year:	2007
GEPAID:	CAD981619927
Contact:	DANIEL MYUNG - OWNER
Telephone:	3235678997
Mailing Name:	Not reported
Mailing Address:	4600 FIRESTONE BLVD
Mailing City,St,Zip:	SOUTH GATE, CA 902803402
Gen County:	Not reported
TSD EPA ID:	NVR000076158
TSD County:	Not reported
Waste Category:	Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	Solvents Recovery
Tons:	Not reported
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000208405
Year:	2006
GEPAID:	CAD981619927
Contact:	DANIEL MYUNG - OWNER
Telephone:	3235678997
Mailing Name:	Not reported
Mailing Address:	4600 FIRESTONE BLVD
Mailing City,St,Zip:	SOUTH GATE, CA 902803402
Gen County:	Not reported
TSD EPA ID:	NVR000076158
TSD County:	Not reported
Waste Category:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	Solvents Recovery
Tons:	0.15
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access
9 additional CA_HAZNET: record(s) in the EDR Site Report.

100
WSW
1/2-1
0.833 mi.
4396 ft.

RHEEM MANUFACTURING CO.

SOUTH GATE, CA

ENVIROSTOR **S107737146**
N/A

Relative:
Lower

Actual:
124 ft.

ENVIROSTOR:

Facility ID:	80001132
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	63
Senate:	33
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.95888
Longitude:	-118.1986
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799FA46100
Alias Type:	Federal Facility ID
Alias Name:	J09CA7434
Alias Type:	INPR
Alias Name:	80001132
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inventory Project Report (INPR)
Completed Date:	05/04/1999
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

101 SSW 1/2-1 0.838 mi. 4427 ft. | **SOUTH REGION ES #4 SITE 1 5640017**
8929 KAUFFMAN AVENUE
SOUTH GATE, CA 90280 | **ENVIROSTOR SCH DEED** | **S109458956 N/A**

Relative: Lower

Actual: 114 ft.

ENVIROSTOR:

Facility ID:	60000123
Status:	Certified / Operation & Maintenance
Status Date:	06/21/2012
Site Code:	304510
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	3.56
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Christine Chiu
Supervisor:	Yolanda Garza
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	63
Senate:	33
Special Program:	Not reported
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.95178
Longitude:	-118.1897
APN:	6216-018-004, 6216-018-005, 6216-018-008, 6216-018-011, 6216-018-012, 6216-018-013, 6216-018-014, 6216-018-015, 6216-018-016, 6216-018-017, 6216-018-018, 6216-018-019, 6216-018-019, 6216-018-025, 6216-018-028, 6216-018-029, 6216-018-030, 6216-018-031, 6216-020-007, 6216-020-008, 6216-020-009, 6216-020-010, 6216-020-011, 6216-020-012, 6216-020-013, 6216-020-014, 6216-020-015, 6216-020-016, 6216-020-017, 6216-020-018, 6216-020-019, 6216-020-020, 6216-020-021, 6216-020-022, 6216018900, 6216018902, 6216018903, 6216018904, 6216018905, 6216018906, 6216018907, 6216018908, 6216018909, 6216018910, 6216018911, 6216018912, 6216018913, 6216018914, 6216020900, 6216020901, 6216020902, 6216020903, 6216020904, 6216020905, 6216020906, 6216020907, 6216020908, 6216020909, 6216020910, 6216020911, 6216020912, 6216020913, 6216020914, 6225-005-401, 6225-006-001, 6225-006-002, 6225-006-003, 6225-006-004, 6225-006-005, 6225-006-006, 6225-006-007, 6225-006-008, 6225-006-009, 6225-006-010, 6225-006-011, 6225-006-012, 6225-006-013, 6225-006-014, 6225006004, 6225006006
Past Use:	RESIDENTIAL AREA, DRY CLEANING, MACHINE SHOP
Potential COC:	Lead Naturally Occurring Asbestos (NOA Polychlorinated biphenyls (PCBs Tetrachloroethylene (PCE TPH-diesel TPH-gas TPH-JET FUEL TPH-MOTOR OIL Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC:	Lead 30022-NO TPH-diesel TPH-gas TPH-JET FUEL TPH-MOTOR OIL Polychlorinated biphenyls (PCBs 40002-NO Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description:	SOIL, SV
Alias Name:	Aspire Gateway Academy School
Alias Type:	Alternate Name
Alias Name:	Azalea Academies
Alias Type:	Alternate Name
Alias Name:	LAUSD-SOUTH REGION ES #4 SITE 1 5640017
Alias Type:	Alternate Name
Alias Name:	Proposed SRES #4

SOUTH REGION ES #4 SITE 1 5640017 (Continued) **S109458956**

Alias Type:	Alternate Name
Alias Name:	Proposed South Region Elementary School No. 4
Alias Type:	Alternate Name
Alias Name:	SRES #4
Alias Type:	Alternate Name
Alias Name:	South Region Elementary School No. 4
Alias Type:	Alternate Name
Alias Name:	6216-018-004
Alias Type:	APN
Alias Name:	6216-018-005
Alias Type:	APN
Alias Name:	6216-018-008
Alias Type:	APN
Alias Name:	6216-018-011
Alias Type:	APN
Alias Name:	6216-018-012
Alias Type:	APN
Alias Name:	6216-018-013
Alias Type:	APN
Alias Name:	6216-018-014
Alias Type:	APN
Alias Name:	6216-018-015
Alias Type:	APN
Alias Name:	6216-018-016
Alias Type:	APN
Alias Name:	6216-018-017
Alias Type:	APN
Alias Name:	6216-018-018
Alias Type:	APN
Alias Name:	6216-018-019
Alias Type:	APN
Alias Name:	6216-018-019
Alias Type:	APN
Alias Name:	6216-018-025
Alias Type:	APN
Alias Name:	6216-018-028
Alias Type:	APN
Alias Name:	6216-018-029
Alias Type:	APN
Alias Name:	6216-018-030
Alias Type:	APN
Alias Name:	6216-018-031
Alias Type:	APN
Alias Name:	6216-020-007
Alias Type:	APN
Alias Name:	6216-020-008
Alias Type:	APN
Alias Name:	6216-020-009
Alias Type:	APN
Alias Name:	6216-020-010
Alias Type:	APN
Alias Name:	6216-020-011
Alias Type:	APN
Alias Name:	6216-020-012
Alias Type:	APN
Alias Name:	6216-020-013
Alias Type:	APN

SOUTH REGION ES #4 SITE 1 5640017 (Continued) **S109458956**

Alias Name:	6216-020-014
Alias Type:	APN
Alias Name:	6216-020-015
Alias Type:	APN
Alias Name:	6216-020-016
Alias Type:	APN
Alias Name:	6216-020-017
Alias Type:	APN
Alias Name:	6216-020-018
Alias Type:	APN
Alias Name:	6216-020-019
Alias Type:	APN
Alias Name:	6216-020-020
Alias Type:	APN
Alias Name:	6216-020-021
Alias Type:	APN
Alias Name:	6216-020-022
Alias Type:	APN
Alias Name:	6216018900
Alias Type:	APN
Alias Name:	6216018902
Alias Type:	APN
Alias Name:	6216018903
Alias Type:	APN
Alias Name:	6216018904
Alias Type:	APN
Alias Name:	6216018905
Alias Type:	APN
Alias Name:	6216018906
Alias Type:	APN
Alias Name:	6216018907
Alias Type:	APN
Alias Name:	6216018908
Alias Type:	APN
Alias Name:	6216018909
Alias Type:	APN
Alias Name:	6216018910
Alias Type:	APN
Alias Name:	6216018911
Alias Type:	APN
Alias Name:	6216018912
Alias Type:	APN
Alias Name:	6216018913
Alias Type:	APN
Alias Name:	6216018914
Alias Type:	APN
Alias Name:	6216020900
Alias Type:	APN
Alias Name:	6216020901
Alias Type:	APN
Alias Name:	6216020902
Alias Type:	APN
Alias Name:	6216020903
Alias Type:	APN
Alias Name:	6216020904
Alias Type:	APN
Alias Name:	6216020905

SOUTH REGION ES #4 SITE 1 5640017 (Continued) **S109458956**

Alias Type:	APN
Alias Name:	6216020906
Alias Type:	APN
Alias Name:	6216020907
Alias Type:	APN
Alias Name:	6216020908
Alias Type:	APN
Alias Name:	6216020909
Alias Type:	APN
Alias Name:	6216020910
Alias Type:	APN
Alias Name:	6216020911
Alias Type:	APN
Alias Name:	6216020912
Alias Type:	APN
Alias Name:	6216020913
Alias Type:	APN
Alias Name:	6216020914
Alias Type:	APN
Alias Name:	6225-005-401
Alias Type:	APN
Alias Name:	6225-006-001
Alias Type:	APN
Alias Name:	6225-006-002
Alias Type:	APN
Alias Name:	6225-006-003
Alias Type:	APN
Alias Name:	6225-006-004
Alias Type:	APN
Alias Name:	6225-006-005
Alias Type:	APN
Alias Name:	6225-006-006
Alias Type:	APN
Alias Name:	6225-006-007
Alias Type:	APN
Alias Name:	6225-006-008
Alias Type:	APN
Alias Name:	6225-006-009
Alias Type:	APN
Alias Name:	6225-006-010
Alias Type:	APN
Alias Name:	6225-006-011
Alias Type:	APN
Alias Name:	6225-006-012
Alias Type:	APN
Alias Name:	6225-006-013
Alias Type:	APN
Alias Name:	6225-006-014
Alias Type:	APN
Alias Name:	6225006004
Alias Type:	APN
Alias Name:	6225006006
Alias Type:	APN
Alias Name:	110033616772
Alias Type:	EPA (FRS #)
Alias Name:	304510
Alias Type:	Project Code (Site Code)

SOUTH REGION ES #4 SITE 1 5640017 (Continued) **S109458956**

Alias Name: 60000123
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 10/29/2007
Comments: Rec'd signed agreement to amend EOA to Master SCA

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 05/25/2012
Comments: The LUC was executed on March 21, 2012 and recorded with the Los Angeles County Recorder's Office on April 5, 2012.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/17/2015
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/11/2015
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 08/21/2012
Comments: Completed CERT

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/02/2006
Comments: Further action for PCE and lead contamination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 09/14/2007
Comments: SSI - LBP/OCP/PCB approved 9/14/2007

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 04/19/2007
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 05/01/2008
Comments: Not reported

SOUTH REGION ES #4 SITE 1 5640017 (Continued) **S109458956**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 10/27/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 10/29/2007
Comments: SFPD Form 4.15

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 07/20/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/27/2008
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/10/2009
Comments: DTSC did not concur with the report findings and issued a 'Further Action Required' determination. DTSC requested a RAW be submitted by October 9, 2009 to mitigate the volatile organic concentrations that exist in the northeastern (Area 2) of the property boundary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/17/2005
Comments: Background Information Only

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/27/2010
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/27/2010
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 05/27/2010
Comments: Not reported

SOUTH REGION ES #4 SITE 1 5640017 (Continued) **S109458956**

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 05/28/2010
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/15/2012
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 12/11/2012
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 02/25/2013
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 10/29/2013
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/03/2014
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 03/10/2016
Comments: On March 10, 2016, DTSC provided comments regarding the 2015 Second Semi-Annual Soil Vapor Probe Sampling Report and requested the comments be adequately addressed and incorporated prior to and/or in the next monitoring event/report, accordingly. The Report also documented results of an annual inspection to evaluate compliance with the LUC.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 02/23/2016
Comments: On February 23, 2016, DTSC approved the 2015 First Semi-Annual Soil Vapor Probe Sampling Report.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork

SOUTH REGION ES #4 SITE 1 5640017 (Continued) **S109458956**

Completed Date: 06/23/2015
Comments: Field work was completed.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/22/2015
Comments: On December 22, 2015, DTSC conducted oversight of the semi-annual soil vapor monitoring event.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/18/2014
Comments: DTSC approved the 2014 First Semi- Annual Sampling Report with comments.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/28/2015
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 11/30/2016
Comments: In response to its letter, dated September 12, 2016, DTSC received a response to comments on September 21, 2016 and a hard copy & CD of the revised report on November 30, 2016.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 03/10/2016
Comments: On March 10, 2016, DTSC provided comments regarding the 2015 Second Semi-Annual Soil Vapor Probe Sampling Report, which included results of an annual inspection to evaluate compliance with the LUC. DTSC requested the LUC inspection results be indicated in the title of the document or provided in a separate report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 02/01/2008
Comments: DTSC approved the Community Profile, dated February 2008.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/12/2017
Comments: On May 12, 2017, DTSC provided comments regarding the 2016 Second Semi-Annual Soil Vapor Probe Monitoring Report and requested the comments be adequately addressed and/or incorporated in the next monitoring event/report, accordingly.

Completed Area Name: Area 2

SOUTH REGION ES #4 SITE 1 5640017 (Continued) **S109458956**

Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 07/19/2010
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2015
Comments: Annual Cost Estimate emailed and mailed to LAUSD.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/22/2014
Comments: DTSC requested a response from Green cleqaners by June 30, 2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/08/2014
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 03/09/2012
Comments: The O&M Agreement was executed on March 2, 2012; the O&M Plan is included as Exhibit C.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/15/2016
Comments: Annual Cost Estimate Letter, dated 9/15/16, sent to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 03/27/2008
Comments: public comment period 2/19/08 to 3/19/08

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/19/2005
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported

SOUTH REGION ES #4 SITE 1 5640017 (Continued) **S109458956**

Future Due Date:	Not reported
Schedule Area Name:	Area 2
Schedule Sub Area Name:	Not reported
Schedule Document Type:	5 Year Review Reports
Schedule Due Date:	04/30/2018
Schedule Revised Date:	Not reported

SCH:

Facility ID:	60000123
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	3.56
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Christine Chiu
Supervisor:	Yolanda Garza
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304510
Assembly:	63
Senate:	33
Special Program Status:	Not reported
Status:	Certified / Operation & Maintenance
Status Date:	06/21/2012
Restricted Use:	YES
Funding:	School District
Latitude:	33.95178
Longitude:	-118.1897
APN:	6216-018-004, 6216-018-005, 6216-018-008, 6216-018-011, 6216-018-012, 6216-018-013, 6216-018-014, 6216-018-015, 6216-018-016, 6216-018-017, 6216-018-018, 6216-018-019, 6216-018-019, 6216-018-025, 6216-018-028, 6216-018-029, 6216-018-030, 6216-018-031, 6216-020-007, 6216-020-008, 6216-020-009, 6216-020-010, 6216-020-011, 6216-020-012, 6216-020-013, 6216-020-014, 6216-020-015, 6216-020-016, 6216-020-017, 6216-020-018, 6216-020-019, 6216-020-020, 6216-020-021, 6216-020-022, 6216018900, 6216018902, 6216018903, 6216018904, 6216018905, 6216018906, 6216018907, 6216018908, 6216018909, 6216018910, 6216018911, 6216018912, 6216018913, 6216018914, 6216020900, 6216020901, 6216020902, 6216020903, 6216020904, 6216020905, 6216020906, 6216020907, 6216020908, 6216020909, 6216020910, 6216020911, 6216020912, 6216020913, 6216020914, 6225-005-401, 6225-006-001, 6225-006-002, 6225-006-003, 6225-006-004, 6225-006-005, 6225-006-006, 6225-006-007, 6225-006-008, 6225-006-009, 6225-006-010, 6225-006-011, 6225-006-012, 6225-006-013, 6225-006-014, 6225006004, 6225006006
Past Use:	RESIDENTIAL AREA, DRY CLEANING, MACHINE SHOP
Potential COC:	Lead, Naturally Occurring Asbestos (NOA, Polychlorinated biphenyls (PCBs, Tetrachloroethylene (PCE, TPH-diesel, TPH-gas, TPH-JET FUEL, TPH-MOTOR OIL, Tetrachloroethylene (PCE, Trichloroethylene (TCE
Confirmed COC:	Lead, 30022-NO, TPH-diesel, TPH-gas, TPH-JET FUEL, TPH-MOTOR OIL, Polychlorinated biphenyls (PCBs, 40002-NO, , Tetrachloroethylene (PCE, Tetrachloroethylene (PCE, Trichloroethylene (TCE
Potential Description:	SOIL, SV
Alias Name:	Aspire Gateway Academy School
Alias Type:	Alternate Name

SOUTH REGION ES #4 SITE 1 5640017 (Continued) **S109458956**

Alias Name:	Azalea Academies
Alias Type:	Alternate Name
Alias Name:	LAUSD-SOUTH REGION ES #4 SITE 1 5640017
Alias Type:	Alternate Name
Alias Name:	Proposed SRES #4
Alias Type:	Alternate Name
Alias Name:	Proposed South Region Elementary School No. 4
Alias Type:	Alternate Name
Alias Name:	SRES #4
Alias Type:	Alternate Name
Alias Name:	South Region Elementary School No. 4
Alias Type:	Alternate Name
Alias Name:	6216-018-004
Alias Type:	APN
Alias Name:	6216-018-005
Alias Type:	APN
Alias Name:	6216-018-008
Alias Type:	APN
Alias Name:	6216-018-011
Alias Type:	APN
Alias Name:	6216-018-012
Alias Type:	APN
Alias Name:	6216-018-013
Alias Type:	APN
Alias Name:	6216-018-014
Alias Type:	APN
Alias Name:	6216-018-015
Alias Type:	APN
Alias Name:	6216-018-016
Alias Type:	APN
Alias Name:	6216-018-017
Alias Type:	APN
Alias Name:	6216-018-018
Alias Type:	APN
Alias Name:	6216-018-019
Alias Type:	APN
Alias Name:	6216-018-019
Alias Type:	APN
Alias Name:	6216-018-025
Alias Type:	APN
Alias Name:	6216-018-028
Alias Type:	APN
Alias Name:	6216-018-029
Alias Type:	APN
Alias Name:	6216-018-030
Alias Type:	APN
Alias Name:	6216-018-031
Alias Type:	APN
Alias Name:	6216-020-007
Alias Type:	APN
Alias Name:	6216-020-008
Alias Type:	APN
Alias Name:	6216-020-009
Alias Type:	APN
Alias Name:	6216-020-010
Alias Type:	APN
Alias Name:	6216-020-011

SOUTH REGION ES #4 SITE 1 5640017 (Continued) **S109458956**

Alias Type:	APN
Alias Name:	6216-020-012
Alias Type:	APN
Alias Name:	6216-020-013
Alias Type:	APN
Alias Name:	6216-020-014
Alias Type:	APN
Alias Name:	6216-020-015
Alias Type:	APN
Alias Name:	6216-020-016
Alias Type:	APN
Alias Name:	6216-020-017
Alias Type:	APN
Alias Name:	6216-020-018
Alias Type:	APN
Alias Name:	6216-020-019
Alias Type:	APN
Alias Name:	6216-020-020
Alias Type:	APN
Alias Name:	6216-020-021
Alias Type:	APN
Alias Name:	6216-020-022
Alias Type:	APN
Alias Name:	6216018900
Alias Type:	APN
Alias Name:	6216018902
Alias Type:	APN
Alias Name:	6216018903
Alias Type:	APN
Alias Name:	6216018904
Alias Type:	APN
Alias Name:	6216018905
Alias Type:	APN
Alias Name:	6216018906
Alias Type:	APN
Alias Name:	6216018907
Alias Type:	APN
Alias Name:	6216018908
Alias Type:	APN
Alias Name:	6216018909
Alias Type:	APN
Alias Name:	6216018910
Alias Type:	APN
Alias Name:	6216018911
Alias Type:	APN
Alias Name:	6216018912
Alias Type:	APN
Alias Name:	6216018913
Alias Type:	APN
Alias Name:	6216018914
Alias Type:	APN
Alias Name:	6216020900
Alias Type:	APN
Alias Name:	6216020901
Alias Type:	APN
Alias Name:	6216020902
Alias Type:	APN

SOUTH REGION ES #4 SITE 1 5640017 (Continued) **S109458956**

Alias Name:	6216020903
Alias Type:	APN
Alias Name:	6216020904
Alias Type:	APN
Alias Name:	6216020905
Alias Type:	APN
Alias Name:	6216020906
Alias Type:	APN
Alias Name:	6216020907
Alias Type:	APN
Alias Name:	6216020908
Alias Type:	APN
Alias Name:	6216020909
Alias Type:	APN
Alias Name:	6216020910
Alias Type:	APN
Alias Name:	6216020911
Alias Type:	APN
Alias Name:	6216020912
Alias Type:	APN
Alias Name:	6216020913
Alias Type:	APN
Alias Name:	6216020914
Alias Type:	APN
Alias Name:	6225-005-401
Alias Type:	APN
Alias Name:	6225-006-001
Alias Type:	APN
Alias Name:	6225-006-002
Alias Type:	APN
Alias Name:	6225-006-003
Alias Type:	APN
Alias Name:	6225-006-004
Alias Type:	APN
Alias Name:	6225-006-005
Alias Type:	APN
Alias Name:	6225-006-006
Alias Type:	APN
Alias Name:	6225-006-007
Alias Type:	APN
Alias Name:	6225-006-008
Alias Type:	APN
Alias Name:	6225-006-009
Alias Type:	APN
Alias Name:	6225-006-010
Alias Type:	APN
Alias Name:	6225-006-011
Alias Type:	APN
Alias Name:	6225-006-012
Alias Type:	APN
Alias Name:	6225-006-013
Alias Type:	APN
Alias Name:	6225-006-014
Alias Type:	APN
Alias Name:	6225006004
Alias Type:	APN
Alias Name:	6225006006

SOUTH REGION ES #4 SITE 1 5640017 (Continued) **S109458956**

Alias Type: APN
Alias Name: 110033616772
Alias Type: EPA (FRS #)
Alias Name: 304510
Alias Type: Project Code (Site Code)
Alias Name: 60000123
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 10/29/2007
Comments: Rec'd signed agreement to amend EOA to Master SCA

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 05/25/2012
Comments: The LUC was executed on March 21, 2012 and recorded with the Los Angeles County Recorder's Office on April 5, 2012.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/17/2015
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/11/2015
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 08/21/2012
Comments: Completed CERT

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/02/2006
Comments: Further action for PCE and lead contamination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 09/14/2007
Comments: SSI - LBP/OCP/PCB approved 9/14/2007

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 04/19/2007
Comments: approved

SOUTH REGION ES #4 SITE 1 5640017 (Continued) **S109458956**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 05/01/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 10/27/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 10/29/2007
Comments: SFPD Form 4.15

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 07/20/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/27/2008
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/10/2009
Comments: DTSC did not concur with the report findings and issued a 'Further Action Required' determination. DTSC requested a RAW be submitted by October 9, 2009 to mitigate the volatile organic concentrations that exist in the northeastern (Area 2) of the property boundary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/17/2005
Comments: Background Information Only

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/27/2010
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/27/2010
Comments: Not reported

SOUTH REGION ES #4 SITE 1 5640017 (Continued) **S109458956**

Completed Area Name:	Area 2
Completed Sub Area Name:	Not reported
Completed Document Type:	Public Notice
Completed Date:	05/27/2010
Comments:	Not reported

Completed Area Name:	Area 2
Completed Sub Area Name:	Not reported
Completed Document Type:	Public Notice
Completed Date:	05/28/2010
Comments:	Not reported

Completed Area Name:	Area 2
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	06/15/2012
Comments:	Not reported

Completed Area Name:	Area 2
Completed Sub Area Name:	Not reported
Completed Document Type:	Long Term Monitoring Report
Completed Date:	12/11/2012
Comments:	Not reported

Completed Area Name:	Area 2
Completed Sub Area Name:	Not reported
Completed Document Type:	Long Term Monitoring Report
Completed Date:	02/25/2013
Comments:	Not reported

Completed Area Name:	Area 2
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	10/29/2013
Comments:	Not reported

Completed Area Name:	Area 2
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	06/03/2014
Comments:	Not reported

Completed Area Name:	Area 2
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	03/10/2016
Comments:	On March 10, 2016, DTSC provided comments regarding the 2015 Second Semi-Annual Soil Vapor Probe Sampling Report and requested the comments be adequately addressed and incorporated prior to and/or in the next monitoring event/report, accordingly. The Report also documented results of an annual inspection to evaluate compliance with the LUC.

Completed Area Name:	Area 2
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	02/23/2016

SOUTH REGION ES #4 SITE 1 5640017 (Continued) **S109458956**

Comments: On February 23, 2016, DTSC approved the 2015 First Semi-Annual Soil Vapor Probe Sampling Report.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/23/2015
Comments: Field work was completed.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/22/2015
Comments: On December 22, 2015, DTSC conducted oversight of the semi-annual soil vapor monitoring event.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/18/2014
Comments: DTSC approved the 2014 First Semi- Annual Sampling Report with comments.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/28/2015
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 11/30/2016
Comments: In response to its letter, dated September 12, 2016, DTSC received a response to comments on September 21, 2016 and a hard copy & CD of the revised report on November 30, 2016.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 03/10/2016
Comments: On March 10, 2016, DTSC provided comments regarding the 2015 Second Semi-Annual Soil Vapor Probe Sampling Report, which included results of an annual inspection to evaluate compliance with the LUC. DTSC requested the LUC inspection results be indicated in the title of the document or provided in a separate report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 02/01/2008
Comments: DTSC approved the Community Profile, dated February 2008.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/12/2017

SOUTH REGION ES #4 SITE 1 5640017 (Continued) **S109458956**

Comments: On May 12, 2017, DTSC provided comments regarding the 2016 Second Semi-Annual Soil Vapor Probe Monitoring Report and requested the comments be adequately addressed and/or incorporated in the next monitoring event/report, accordingly.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 07/19/2010
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2015
Comments: Annual Cost Estimate emailed and mailed to LAUSD.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/22/2014
Comments: DTSC requested a response from Green cleqaners by June 30, 2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/08/2014
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 03/09/2012
Comments: The O&M Agreement was executed on March 2, 2012; the O&M Plan is included as Exhibit C.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/15/2016
Comments: Annual Cost Estimate Letter, dated 9/15/16, sent to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 03/27/2008
Comments: public comment period 2/19/08 to 3/19/08

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)

SOUTH REGION ES #4 SITE 1 5640017 (Continued) **S109458956**

Completed Date: 07/19/2005
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Area 2
Schedule Sub Area Name: Not reported
Schedule Document Type: 5 Year Review Reports
Schedule Due Date: 04/30/2018
Schedule Revised Date: Not reported

DEED:
Envirostor ID: 60000123
Area: AREA 2
Sub Area: Not reported
Site Type: SCHOOL CLEANUP
Status: CERTIFIED / OPERATION & MAINTENANCE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 05/25/2012

102
SSE
1/2-1
0.871 mi.
4600 ft.

Relative:
Lower

Actual:
108 ft.

REISNER METALS **ENVIROSTOR** **S103976941**
5225 E. FIRESTONE BLVD **N/A**
SOUTH GATE, CA 90280

ENVIROSTOR:
Facility ID: 60001688
Status: Refer: EPA
Status Date: 10/23/1997
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: US EPA
Lead Agency: US EPA
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 50
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.95064
Longitude: -118.1762
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: Polynuclear aromatic hydrocarbons (PAHs
Confirmed COC: Polynuclear aromatic hydrocarbons (PAHs
Potential Description: NONE SPECIFIED
Alias Name: 60001688

REISNER METALS (Continued) **S103976941**

Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/23/1997
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

---

103 **BERK OIL** **ENVIROSTOR** **S101540092**
SE **5614 SHULL ST** **LUST** **N/A**
1/2-1 **BELL GARDENS, CA 90201** **SLIC**
0.871 mi. **HIST CORTESE**
4600 ft.

Relative:
Lower

Actual:
111 ft.

ENVIROSTOR:
Facility ID: 60001537
Status: Inactive - Action Required
Status Date: 06/08/2012
Site Code: 301532
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 4
NPL: NO
Regulatory Agencies: SMBRP, RWQCB 4 - Los Angeles
Lead Agency: RWQCB 4 - Los Angeles
Program Manager: Maryam Tasnif-Abbasi
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 58
Senate: 33
Special Program: EPA - Target Site Investigation
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.95542
Longitude: -118.1698
APN: NONE SPECIFIED
Past Use: METAL FINISHING, UNDERGROUND STORAGE TANKS
Potential COC: TPH-gas Trichloroethylene (TCE Vinyl chloride
Confirmed COC: 30025-NO Trichloroethylene (TCE Vinyl chloride
Potential Description: OTH, SOIL, SV, UE
Alias Name: 301532
Alias Type: Project Code (Site Code)
Alias Name: 60001537
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE

BERK OIL (Continued) **S101540092**

Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 10/17/2011
Comments: Contract process completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 10/13/2011
Comments: Contract fully executed on 10/13/11

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 03/19/2012
Comments: work plan for investigation approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/30/2012
Comments: Project Complete Under the Targeted Site Investigation Program - further action is needed, this is a Water Board Lead case.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 06/27/2011
Comments: APPLICATION RECEIVED

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 01/04/2011
Comments: Work Order Budget Amendment.

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

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 051995-12
Status: Preliminary site assessment workplan submitted
Substance: 1
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported

BERK OIL (Continued) **S101540092**

Global ID:	T0603700078	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	12/31/1989	
Date Leak First Reported:		9/28/1993
Date Leak Record Entered:	5/19/1995	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		5/19/1995
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Tank	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2236.42232966016498328175422 17
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		9/28/1993
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BELL GARDENS REDEVELOP. AGENCY	
RP Address:	7100 GARFIELD BELL GARDENS CA 90201	
Program:	LUST	
Lat/Long:	33.9554754 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

SLIC:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	10/19/2015
Global Id:	SL163462338
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.9553643868131

BERK OIL (Continued) **S101540092**

Longitude:	-118.168858962393
Case Type:	Cleanup Program Site
Case Worker:	TTW
Local Agency:	Not reported
RB Case Number:	0313
File Location:	Regional Board
Potential Media Affected:	Soil, Soil Vapor
Potential Contaminants of Concern:	Not reported
Site History:	This Site is owned by the City and lies within one of their redevelopment project areas. In 2006, the City entered into an agreement with EI to redevelop the Site in accordance with the City's master redevelopment plan. At the time the agreement was consummated, the value of the redeveloped property was estimated to be greater than the environmental impairment. Recent changes in the economy, and the real estate market at large, leave the viability of the project in question. The money that has been committed to the project is the developer's money and is both voluntary and finite. If this voluntary money goes away, then the fiscal responsibilities for the environmental issues will be the tax payer's burden since the City does not have the financial resources to meet the Regional Board's regulatory requirements. A Notice of Violation (NOV) dated March 2, 2009 was issued for failing to provide the Regional Board requirements pursuant to the California Water Code (CWC) Section 13267 Order dated August 21, 2008. Project Description: This Site is a 4.33 acre parcel that consisted of two former industrial facilities located on adjacent properties: Berk Oil and PMC. The Berk Oil facility is located on the western half of the Site and operated from 1965 through 1989 mainly as asphalt mixing and oil distribution facility. The PMC is located on the eastern half and operated from 1953 through 1996 as metal and plastic fabrication facility. The Site is currently vacant and planned for commercial redevelopment by the City of Bell Gardens. According to the information in our file, three environmental site investigations were conducted beginning in 1985. The investigations included installation of soil borings to a maximum depth of investigation of 80 feet below ground surface (bgs), groundwater sampling using hydropunch and installation of eight groundwater monitoring wells at the Site. In 1989 six underground storage tanks (USTs) for asphalt, diesel and waste oil were removed from the Site. The analytical results confirmed that both soil and groundwater beneath the Site are impacted with petroleum hydrocarbons, metals, and volatile organic compounds (VOCs). The findings are all attributable to the activities at Berk Oil facility. Two principal contaminant source areas are identified as the former UST locations and the former steam-cleaning sump. All previous structures related to the operation of the facility have been demolished. Limited soil remediation consisting of excavation of impacted soil was conducted at the Site. The contaminants present in the soil include petroleum hydrocarbons and volatile organic compounds (VOCs) including tetrachloroethylene (PCE), trichloroethylene (TCE), cis-1,2-dichloroethylene (DCE), methylene chloride and vinyl chloride. The data show TCE as high as 11,000 micrograms per kilogram (a%g/Kg) at a depth of 20 feet bgs in soil and up to 870 micrograms per liter (a%g/L) in groundwater. The Site is located in the Central Basin of the Coastal Plain of Los Angeles. Based on the soil boring log, the soil beneath the Site consists mainly of interbedded silty clay, sandy silt, and sand to the maximum explored depth of 75 feet below ground surface (bgs). Two water

BERK OIL (Continued) **S101540092**

saturated zones were encountered at approximately 20 feet and at 60 feet bgs, which occur within the Bellflower aquiclude overlying the Exposition aquifer respectively. The groundwater flow of the shallower water-bearing zone is toward the southwest and the deeper zone flows to the south. The Regional Board staff has received and reviewed the document titled Revised Subsurface Soil, Soil Vapor, and Groundwater Investigation Work Plan (work plan) dated March 12, 2010. The work plan proposes the following activities: 1) Collect shallow soil samples from an initial 20 locations at a depth of 2 feet below ground surface (bgs); 2) Soil sampling from 13 borings to be advanced to a depth of 15 feet bgs, and collect soil samples at 5-foot depth intervals; 3) A complete profiling of the existing unlabeled drums at the Site; 4) Advance ten (10) deep soil borings to a depth of 40 and 80 feet bgs; two of borings will be continuously sampled for soil classification and screened for the presence of volatile organic compounds (VOCs); all or a portion of these borings maybe converted to groundwater monitoring wells; 5) Collect soil samples for analysis at approximately 5-foot intervals to a maximum depth of investigation of approximately 80 feet bgs; 6) Locate, evaluate and develop seven of the eight existing groundwater monitoring wells; 7) Soil samples will be analyzed for total petroleum compounds and volatile organic compounds (VOCs) using EPA Methods 8015M and 8260B, and for metals using EPA Method 6010B/7000; and samples collected from the unlabeled drums will be analyzed for polychlorinated biphenyls (PCBs), pesticides, or dioxin compounds; 8) Groundwater samples will be analyzed for petroleum hydrocarbons and VOCs using EPA Method 8260B, and metals by EPA Method 6010B/7000; and 9) Upon completion of the implementation of the proposed activities, prepare a Site Assessment Report. Based on the review of the proposed work plan and documents in our file, you are authorized to implement the work plan as follows: 1) Upon development of existing groundwater monitoring wells and installation of the proposed groundwater monitoring well, you are required to commence a quarterly groundwater monitoring of existing and the newly installed wells at the Site. 2) The Regional Board staff allows implementing a phased approach at this time, with the understanding that complete characterization is still required at the site, which may involve additional sampling events. 3) Upon completion of the above investigation, you must submit a report documenting the results and conclusions of this investigation, including a conceptual site model (CSM). Note: At a meeting held on January 12, 2010, the City of Bell Gardens requested delaying the implementation of the Site Assessment and Cleanup citing that the City does not have the funds to implement the regulatory requirement due to economic conditions and is awaiting to lease the property to investors or developers. On January 20, 2015 another meeting and site visit was conducted at the City of Bell Gardens to update the environmental work at the site. The new project manager from the City (Mr. John Oropeza) indicated that delaying the implementation of the Site Assessment and Cleanup is due to lack of the appropriate funding for the City. The follwing is summarized most of the topics that were discussed in January 2015 with City of Bell Gardens: Due to the current financial problem, the City is still looking for potential developer to handle and/or continue work on investigations and cleanup the impacted soil and groundwater at the Site. Subsequently the City would transfer the ownership to the developer in accordance with the specific rule and regulations established by the City. The City is currently also working with financial support from the State

BERK OIL (Continued) **S101540092**

Department of Finances Redevelopment Agency Dissolution (RDA) for the Site re-development. The City has a plan to secure the Site and property boundary to prevent any unauthorized access and illegal entry to the Site. The City is also planning to remove debris, bushes, and secure all existing groundwater monitoring well heads. .

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:
Region: 4
Facility Status: Site Assessment
SLIC: 0313
Substance: Not reported
Staff: Jenny Au

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 051995-12

W104 **JERVIS WEBB** **ENVIROSTOR** **S108054406**
SSE **9301 RAYO AVE.** **N/A**
1/2-1 **SOUTH GATE, CA 90280**
0.878 mi.
4636 ft. **Site 1 of 2 in cluster W**

Relative:
Lower

Actual:
108 ft.

ENVIROSTOR:
Facility ID: 60001714
Status: Refer: EPA
Status Date: 11/25/1997
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: US EPA
Lead Agency: US EPA
Program Manager: Joseph Cully
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 50
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.94984
Longitude: -118.1776
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: Total Chromium (1:6 ratio Cr VI:Cr III Lead Trichloroethylene (TCE
Confirmed COC: Total Chromium (1:6 ratio Cr VI:Cr III Lead Trichloroethylene (TCE
Potential Description: NONE SPECIFIED
Alias Name: 60001714
Alias Type: Envirostor ID Number

JERVIS WEBB (Continued) **S108054406**

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/25/1997
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Facility ID: 60000332
Status: Active
Status Date: 09/13/2014
Site Code: 301286
Site Type: Federal Superfund
Site Type Detailed: State Response or NPL
Acres: 4.2
NPL: YES
Regulatory Agencies: US EPA
Lead Agency: US EPA
Program Manager: Lori Parnass
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Assembly: 63
Senate: 33
Special Program: EPA - Multi-Site Cooperative Agreement
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Joint State/Federal-Funded
Latitude: 33.94963
Longitude: -118.1776
APN: 6222005015
Past Use: MANUFACTURING - INDUSTRIAL MACHINERY
Potential COC: Trichloroethylene (TCE
Confirmed COC: 30027-NO
Potential Description: OTH
Alias Name: 6222005015
Alias Type: APN
Alias Name: CAD008339467
Alias Type: CERCLIS ID
Alias Name: 110033606710
Alias Type: EPA (FRS #)
Alias Name: 301286
Alias Type: Project Code (Site Code)
Alias Name: 60000332
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

JERVIS WEBB (Continued) **S108054406**

Completed Document Type: Triage Meeting
Completed Date: 03/22/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/25/1997
Comments: Site Screening Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 07/07/2015
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 01/30/2017
Comments: accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/18/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 02/02/2010
Comments: DTSC issued an order for the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 02/02/2010
Comments: DTSC issued an I&SE determination and Remedial Action Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 02/01/2010
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

W105 **WEBB, JERVIS B CO OF CALIFORNIA** **NPL** **1014869141**
SSE **9301 SO. RAYO** **SEMS** **CAD008339467**
1/2-1 **SOUTH GATE, CA 90280** **RCRA-SQG**
0.878 mi. **FINDS**
4636 ft. **Site 2 of 2 in cluster W** **HAZNET**

Relative:
Lower

Actual:
108 ft.

NPL:

EPA ID:	CAD008339467
Cerclis ID:	904837
EPA Region:	9
Federal:	N
Final Date:	2012-05-09 00:00:00
Site Score:	45.759999999999998
Latitude:	33.950277999999997
Longitude:	-118.176946

SEMS:

Site ID:	904837
EPA ID:	CAD008339467
Federal Facility:	N
NPL:	Currently on the Final NPL
Non NPL Status:	Not reported

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID:	0904837
EPA ID:	CAD008339467
Facility County:	LOS ANGELES
Short Name:	JERVIS B. WEBB CO.
Congressional District:	44
IFMS ID:	09WR
SMSA Number:	4480
USGC Hydro Unit:	18070105
Federal Facility:	Not a Federal Facility
DMNSN Number:	0.00000
Site Orphan Flag:	N
RCRA ID:	Not reported
USGS Quadrangle:	Not reported
Site Init By Prog:	Not reported
NFRAP Flag:	Not reported
Parent ID:	Not reported
RST Code:	Not reported
EPA Region:	09
Classification:	Not reported
Site Settings Code:	Not reported
NPL Status:	Currently on the Final NPL
DMNSN Unit Code:	Not reported
RBRAC Code:	Not reported
RResp Fed Agency Code:	Not reported
Non NPL Status:	Not reported
Non NPL Status Date:	/ /
Site Fips Code:	06037
CC Concurrence Date:	/ /
CC Concurrence FY:	Not reported
Alias EPA ID:	Not reported
Site FUDS Flag:	Not reported

CERCLIS Site Contact Name(s):

WEBB, JERVIS B CO OF CALIFORNIA (Continued) **1014869141**

Contact ID: 13003854.00000
Contact Name: Leslie Ramirez
Contact Tel: (415) 972-3978
Contact Title: Site Assessment Manager (SAM)
Contact Email: Not reported

Contact ID: 13003858.00000
Contact Name: Sharon Murray
Contact Tel: (415) 972-4250
Contact Title: Site Assessment Manager (SAM)
Contact Email: Not reported

Contact ID: 13004003.00000
Contact Name: Carl Brickner
Contact Tel: Not reported
Contact Title: Site Assessment Manager (SAM)
Contact Email: Not reported

Contact ID: 9271184.00000
Contact Name: Karen Jurist
Contact Tel: (415) 972-3219
Contact Title: Remedial Project Manager (RPM)
Contact Email: Not reported

CERCLIS Site Alias Name(s):
Alias ID: 13000171
Alias Name: JERVIS B. WEBB CO.
Alias Address: 9301 Rayo Ave and 5030 Firestone Blvd
South Gate, CA 90280
Alias Comments: Not reported
Site Description: 8/06: JB Webb has been referred back to CA DTSC. DTSC is working on an I & S Consent Order. Site will be added to 06/06 G$ universe for followup. 4/07: RWQCB 4 lead per 4/07 Email 2010: DTSC gives site back to EPA

CERCLIS Assessment History:

Action Code: 001
Action: DISCOVERY
Date Started: / /
Date Completed: 05/14/93
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: SITE INSPECTION
Date Started: 07/07/94
Date Completed: 09/30/94
Priority Level: Low priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported

WEBB, JERVIS B CO OF CALIFORNIA (Continued) **1014869141**

Action Anomaly: Not reported

Action Code: 001
Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 09/30/94
Priority Level: Higher priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: SITE REASSESSMENT
Date Started: 09/26/01
Date Completed: 05/15/02
Priority Level: Low priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: State, Fund Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 002
Action: SITE REASSESSMENT
Date Started: / /
Date Completed: 05/23/06
Priority Level: Higher priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: OTHER CLEANUP ACTIVITY
Date Started: 05/23/06
Date Completed: 01/18/11
Priority Level: Higher priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: State, Fund Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: HAZARD RANKING SYSTEM PACKAGE
Date Started: 01/18/11
Date Completed: 09/16/11
Priority Level: Not reported
Operable Unit: SITEWIDE

WEBB, JERVIS B CO OF CALIFORNIA (Continued) **1014869141**

Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: PROPOSAL TO NATIONAL PRIORITIES LIST
Date Started: / /
Date Completed: 09/16/11
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH
Date Started: / /
Date Completed: 04/11/12
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Other Completion Anomaly

Action Code: 001
Action: FINAL LISTING ON NATIONAL PRIORITIES LIST
Date Started: / /
Date Completed: 05/10/12
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Federal Register Details:
Fed Register Date: 05/10/12
Fed Register Volume: 77
Page Number: 27368

Fed Register Date: 09/16/11
Fed Register Volume: 76
Page Number: 57702

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: WEBB, JERVIS B CO OF CALIFORNIA
Facility address: 9301 SO. RAYO
SOUTH GATE, CA 90280
EPA ID: CAD008339467

WEBB, JERVIS B CO OF CALIFORNIA (Continued) **1014869141**

Mailing address: 4550 SEVILLE AVE
LOS ANGELES, CA 90058
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 08/18/1980

WEBB, JERVIS B CO OF CALIFORNIA (Continued) **1014869141**

Site name: WEBB, JERVIS B CO OF CALIFORNIA
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110064207503

Environmental Interest/Information System
SUPERFUND NPL

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

HAZNET:

envid:	1014869141
Year:	1997
GEPAID:	CAD008339467
Contact:	JERVIS B WEBB COMPANY
Telephone:	2135888271
Mailing Name:	Not reported
Mailing Address:	PO BOX 58885/4550 SEVILLE AVE
Mailing City,St,Zip:	LOS ANGELES, CA 900580000
Gen County:	Not reported
TSD EPA ID:	CAT000646117
TSD County:	Not reported
Waste Category:	Contaminated soil from site clean-up
Disposal Method:	Disposal, Land Fill
Tons:	1.2000
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1014869141
Year:	1997
GEPAID:	CAD008339467
Contact:	JERVIS B WEBB COMPANY
Telephone:	2135888271
Mailing Name:	Not reported
Mailing Address:	PO BOX 58885/4550 SEVILLE AVE
Mailing City,St,Zip:	LOS ANGELES, CA 900580000
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Transfer Station
Tons:	.6880
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1014869141
Year:	1997
GEPAID:	CAD008339467
Contact:	JERVIS B WEBB COMPANY

WEBB, JERVIS B CO OF CALIFORNIA (Continued) **1014869141**

Telephone:	2135888271
Mailing Name:	Not reported
Mailing Address:	PO BOX 58885/4550 SEVILLE AVE
Mailing City,St,Zip:	LOS ANGELES, CA 900580000
Gen County:	Not reported
TSD EPA ID:	CAT000646117
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Disposal, Land Fill
Tons:	.1000
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1014869141
Year:	1996
GEPAID:	CAD008339467
Contact:	JERVIS B WEBB COMPANY
Telephone:	2135888271
Mailing Name:	Not reported
Mailing Address:	PO BOX 58885/4550 SEVILLE AVE
Mailing City,St,Zip:	LOS ANGELES, CA 900580000
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Disposal, Land Fill
Tons:	.3000
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1014869141
Year:	1996
GEPAID:	CAD008339467
Contact:	JERVIS B WEBB COMPANY
Telephone:	2135888271
Mailing Name:	Not reported
Mailing Address:	PO BOX 58885/4550 SEVILLE AVE
Mailing City,St,Zip:	LOS ANGELES, CA 900580000
Gen County:	Not reported
TSD EPA ID:	CAT080022148
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Transfer Station
Tons:	.2085
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

106
North
1/2-1
0.895 mi.
4725 ft.

CITY OF BELL REDEVELOPMENT
6399 ATLANTIC AVE
BELL, CA 90201

ENVIROSTOR **S100720949**
LOS ANGELES CO. HMS **N/A**

Relative:
Higher

Actual:
143 ft.

ENVIROSTOR:

Facility ID:	19550015
Status:	Refer: RWQCB
Status Date:	08/15/1995
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Chatsworth
Assembly:	Not reported
Senate:	Not reported
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.97830
Longitude:	-118.1872
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* CONTAMINATED SOIL Lead
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CHEVRON SERVICE STATION
Alias Type:	Alternate Name
Alias Name:	STANDARD SERVICE STATION
Alias Type:	Alternate Name
Alias Name:	19550015
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	10/03/1994
Comments:	Because of "Petroleum exclusion" the Department recommended NFA at the site.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	09/10/1991
Comments:	Site Screening Done: Staff recommends high priority PEA because of the documented evidence of contamination.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	06/24/1991
Comments:	Facility identified from the Redevelopment Agency of the City of Bell.

CITY OF BELL REDEVELOPMENT (Continued) **S100720949**

Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LOS ANGELES CO. HMS:
Region: LA
Permit Category: T
Facility Id: 015373-016608
Facility Type: 0
Facility Status: Removed
Area: 2A
Permit Number: 0000T6326
Permit Status: Removed

X107 **WOODLAWN ELEMENTARY SCHOOL** **ENVIROSTOR** **S104574574**
NNE **6314 WOODLAWN AVENUE** **SCH** **N/A**
1/2-1 **BELL, CA 90201**
0.919 mi.
4854 ft. **Site 1 of 2 in cluster X**

Relative:
Higher

Actual:
136 ft.

ENVIROSTOR:
Facility ID: 19820045
Status: No Further Action
Status Date: 07/03/2003
Site Code: 304324
Site Type: School Investigation
Site Type Detailed: School
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 63
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.97780
Longitude: -118.1772
APN: 6315029900
Past Use: * EDUCATIONAL SERVICES
Potential COC: Lead Polychlorinated biphenyls (PCBs
Confirmed COC: 30018-NO Lead
Potential Description: SOIL
Alias Name: LAUSD-WOODLAWN ELEMENTARY SCHOOL
Alias Type: Alternate Name

WOODLAWN ELEMENTARY SCHOOL (Continued) **S104574574**

Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: WOODLAWN ELEMENTARY SCHOOL EXPANSION
Alias Type: Alternate Name
Alias Name: 6315029900
Alias Type: APN
Alias Name: 304324
Alias Type: Project Code (Site Code)
Alias Name: 19820045
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/26/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 06/13/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 10/10/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 06/27/2002
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/21/2003
Comments: SSI

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/12/2001
Comments: Phase 1

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/03/2003

WOODLAWN ELEMENTARY SCHOOL (Continued) **S104574574**

Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19820045
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304324
Assembly: 63
Senate: 33
Special Program Status: Not reported
Status: No Further Action
Status Date: 07/03/2003
Restricted Use: NO
Funding: School District
Latitude: 33.97780
Longitude: -118.1772
APN: 6315029900
Past Use: * EDUCATIONAL SERVICES
Potential COC: Lead, Polychlorinated biphenyls (PCBs
Confirmed COC: 30018-NO, Lead
Potential Description: SOIL
Alias Name: LAUSD-WOODLAWN ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: WOODLAWN ELEMENTARY SCHOOL EXPANSION
Alias Type: Alternate Name
Alias Name: 6315029900
Alias Type: APN
Alias Name: 304324
Alias Type: Project Code (Site Code)
Alias Name: 19820045
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

WOODLAWN ELEMENTARY SCHOOL (Continued) **S104574574**

Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/26/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 06/13/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 10/10/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 06/27/2002
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/21/2003
Comments: SSI

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/12/2001
Comments: Phase 1

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/03/2003
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

X108 **WOODLAWN ELEMENTARY SCHOOL PLAYGROUND** **ENVIROSTOR** **S118756582**
NNE **6314 WOODLAWN AVENUE** **SCH** **N/A**
1/2-1 **BELL, CA 90201**
0.919 mi.
4854 ft. **Site 2 of 2 in cluster X**

Relative:
Higher

Actual:
136 ft.

ENVIROSTOR:

Facility ID:	19820062
Status:	No Action Required
Status Date:	09/26/2002
Site Code:	304318
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	.78
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	63
Senate:	33
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.97780
Longitude:	-118.1772
APN:	6315029900
Past Use:	* EDUCATIONAL SERVICES
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	NONE SPECIFIED
Potential Description:	NMA
Alias Name:	LAUSD-WOODLAWN ES PLAYGROUND ADDN CLEAR
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	WOODLAWN ELEMENTARY SCHOOL PLAYGROUND
Alias Type:	Alternate Name
Alias Name:	6315029900
Alias Type:	APN
Alias Name:	110011644051
Alias Type:	EPA (FRS #)
Alias Name:	304318
Alias Type:	Project Code (Site Code)
Alias Name:	19820062
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	09/26/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported

WOODLAWN ELEMENTARY SCHOOL PLAYGROUND (Continued) **S118756582**

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:

Facility ID:	19820062
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	.78
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304318
Assembly:	63
Senate:	33
Special Program Status:	Not reported
Status:	No Action Required
Status Date:	09/26/2002
Restricted Use:	NO
Funding:	School District
Latitude:	33.97780
Longitude:	-118.1772
APN:	6315029900
Past Use:	* EDUCATIONAL SERVICES
Potential COC:	NONE SPECIFIED, No Contaminants found
Confirmed COC:	NONE SPECIFIED
Potential Description:	NMA
Alias Name:	LAUSD-WOODLAWN ES PLAYGROUND ADDN CLEAR
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	WOODLAWN ELEMENTARY SCHOOL PLAYGROUND
Alias Type:	Alternate Name
Alias Name:	6315029900
Alias Type:	APN
Alias Name:	110011644051
Alias Type:	EPA (FRS #)
Alias Name:	304318
Alias Type:	Project Code (Site Code)
Alias Name:	19820062
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

WOODLAWN ELEMENTARY SCHOOL PLAYGROUND (Continued) **S118756582**

Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/26/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

109
SSE
1/2-1
0.930 mi.
4908 ft.

Relative:
Lower

Actual:
111 ft.

SHULTZ STEEL COMPANY
5321 FIRESTONE BLVD
SOUTH GATE, CA 90280

RCRA-SQG **1000292834**
ENVIROSTOR **CAD981397276**
LUST
AST
SWEEPS UST
HIST UST
ECHO
EMI
LOS ANGELES CO. HMS
NPDES
WDS

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: SHULTZ STEEL COMPANY
Facility address: 5321 FIRESTONE BLVD
SOUTH GATE, CA 90280
EPA ID: CAD981397276
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: GORDON M SHULTZ
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

SHULTZ STEEL COMPANY (Continued) **1000292834**

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/01/1996
Site name: SHULTZ STEEL COMPANY
Classification: Small Quantity Generator

Date form received by agency: 04/21/1986
Site name: SHULTZ STEEL COMPANY
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: F - 279
Area of violation: Used Oil - Generators
Date violation determined: 03/16/2000
Date achieved compliance: 04/25/2000
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 04/17/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported

SHULTZ STEEL COMPANY (Continued) **1000292834**

Paid penalty amount: Not reported

Regulation violated: F - 279
Area of violation: Used Oil - Generators
Date violation determined: 03/16/2000
Date achieved compliance: 04/25/2000
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 04/25/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 03/16/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Used Oil - Generators
Date achieved compliance: 04/25/2000
Evaluation lead agency: EPA

ENVIROSTOR:
Facility ID: 71003718
Status: Active
Status Date: 08/17/2011
Site Code: 600879
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: 23
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Violeta Mislang
Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Assembly: 63
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.95177
Longitude: -118.1745
APN: NONE SPECIFIED
Past Use: MANUFACTURING - METAL
Potential COC: Thallium and compounds
Confirmed COC: Thallium and compounds
Potential Description: OTH
Alias Name: CAD981397276
Alias Type: EPA Identification Number
Alias Name: 110000474987
Alias Type: EPA (FRS #)
Alias Name: 600878
Alias Type: Project Code (Site Code)
Alias Name: 600879

SHULTZ STEEL COMPANY (Continued) **1000292834**

Alias Type: Project Code (Site Code)
Alias Name: 71003718
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Order
Completed Date: 06/25/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 04/03/2013
Comments: GW Sampling Workplan approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/01/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/30/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/16/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/14/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/13/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/07/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/28/2015
Comments: Not reported

SHULTZ STEEL COMPANY (Continued) **1000292834**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/15/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/28/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/13/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/12/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 11/14/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/07/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/23/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/28/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

SHULTZ STEEL COMPANY (Continued) **1000292834**

Completed Date: 06/21/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Compliance Verification
Completed Date: 05/09/2000
Comments: Inspection report sent on 5/9/2000

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/24/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 01/25/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 07/21/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/27/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 08/19/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Compliance Verification
Completed Date: 05/09/2000
Comments: Inspection report sent on 5/9/2000

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/21/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/31/2011
Comments: Not reported

SHULTZ STEEL COMPANY (Continued) **1000292834**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/03/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/01/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/05/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase I Verification
Completed Date: 07/16/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 06/25/2004
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2018
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Acknowledgement of Satisfaction
Future Due Date: 2018
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Preliminary Endangerment Assessment Report
Schedule Due Date: 08/15/2017
Schedule Revised Date: 06/30/2018
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Public Notice
Schedule Due Date: 02/28/2018
Schedule Revised Date: 08/17/2020
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: CEQA - Notice of Exemption
Schedule Due Date: 03/15/2018
Schedule Revised Date: 09/16/2020

SHULTZ STEEL COMPANY (Continued) **1000292834**

LUST:

Region:	STATE
Global Id:	T0603793058
Latitude:	33.950603
Longitude:	-118.174925
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	09/07/2011
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	CET
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	R-11678
LOC Case Number:	11626-11678
File Location:	Regional Board
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603793058
Contact Type:	Regional Board Caseworker
Contact Name:	CHANDRA TYLER
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	Not reported
City:	R4 UNKNOWN
Email:	cetyler@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0603793058
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Status History:

Global Id:	T0603793058
Status:	Completed - Case Closed
Status Date:	09/07/2011

Global Id:	T0603793058
Status:	Open - Case Begin Date
Status Date:	09/30/1999

Global Id:	T0603793058
Status:	Open - Site Assessment
Status Date:	08/16/2000

Global Id:	T0603793058
Status:	Open - Site Assessment
Status Date:	04/24/2009

SHULTZ STEEL COMPANY (Continued) **1000292834**

Regulatory Activities:

Global Id:	T0603793058
Action Type:	ENFORCEMENT
Date:	09/16/2008
Action:	Notice to Comply
Global Id:	T0603793058
Action Type:	Other
Date:	09/30/1999
Action:	Leak Stopped
Global Id:	T0603793058
Action Type:	ENFORCEMENT
Date:	04/24/2009
Action:	Staff Letter
Global Id:	T0603793058
Action Type:	RESPONSE
Date:	05/25/2009
Action:	Soil and Water Investigation Workplan
Global Id:	T0603793058
Action Type:	Other
Date:	08/16/2000
Action:	Leak Reported
Global Id:	T0603793058
Action Type:	ENFORCEMENT
Date:	02/14/2007
Action:	Staff Letter
Global Id:	T0603793058
Action Type:	ENFORCEMENT
Date:	09/07/2011
Action:	Closure/No Further Action Letter
Global Id:	T0603793058
Action Type:	Other
Date:	11/24/1999
Action:	Leak Discovery
Global Id:	T0603793058
Action Type:	RESPONSE
Date:	05/16/2007
Action:	Other Report / Document
Global Id:	T0603793058
Action Type:	REMEDIATION
Date:	12/14/2000
Action:	Excavation

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles

SHULTZ STEEL COMPANY (Continued) **1000292834**

Facility Id:	R-11678	
Status:	Preliminary site assessment underway	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		OT
Global ID:	T0603793058	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	RAYO AVE	
Enforcement Type:	Not reported	
Date Leak Discovered:	11/24/1999	
Date Leak First Reported:		8/16/2000
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	9/30/1999	
Date Case Last Changed on Database:		8/16/2000
Date the Case was Closed:		Not reported
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	SHULTZ STEEL	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1167.513802816771516831145096 1
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		8/16/2000
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	SHULTZ STEEL COMPANY	
RP Address:	5321 FIRESTONE BLVD., SOUTH GATE, CA 90280	
Program:	LUST	
Lat/Long:	33.950603 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

SHULTZ STEEL COMPANY (Continued) **1000292834**

AST:

Certified Unified Program Agencies:	Not reported
Owner:	STEPHEN W SHULTZ
Total Gallons:	Not reported
CERSID:	10273927
Facility ID:	LACoFA0010628
Business Name:	SHULTZ STEEL CO
Phone:	(323) 357-3200
Fax:	Not reported
Mailing Address:	5321 FIRESTONE BLVD
Mailing Address City:	SOUTH GATE
Mailing Address State:	CA
Mailing Address Zip Code:	90280
Operator Name:	JUAN RODRIGUEZ
Operator Phone:	323-357-3248
Owner Phone:	(323) 357-3200
Owner Mail Address:	5321 FIRESTONE BLVD
Owner State:	CA
Owner Zip Code:	90280
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAD981397276

SWEEPS UST:

Status:	Not reported
Comp Number:	11678
Number:	Not reported
Board Of Equalization:	44-009423
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-011678-000001
Tank Status:	Not reported
Capacity:	2500
Active Date:	Not reported
Tank Use:	OIL
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	2

Status:	Not reported
Comp Number:	11678
Number:	Not reported
Board Of Equalization:	44-009423
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-011678-000002

SHULTZ STEEL COMPANY (Continued) **1000292834**

Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

HIST UST:
File Number: 00028627
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028627.pdf
Region: STATE
Facility ID: 00000021028
Facility Type: Other
Other Type: Not reported
Contact Name: Not reported
Telephone: 2135643281
Owner Name: SHULTZ STEEL COMPANY
Owner Address: 5321 FIRESTONE BLVD.
Owner City,St,Zip: SOUTH GATE, CA 90280
Total Tanks: 0002

Tank Num: 001
Container Num: SZ
Year Installed: 1974
Tank Capacity: 00009940
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: SM
Year Installed: 1979
Tank Capacity: 00009940
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

ECHO:
Envid: 1000292834
Registry ID: 110000474987
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110000474987

EMI:
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 16639
Air District Name: SC
SIC Code: 3462
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported

SHULTZ STEEL COMPANY (Continued) **1000292834**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	6
NOX - Oxides of Nitrogen Tons/Yr:	17
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	5
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4

Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	16639
Air District Name:	SC
SIC Code:	3462
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	18
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	16639
Air District Name:	SC
SIC Code:	3462
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10
Reactive Organic Gases Tons/Yr:	8
Carbon Monoxide Emissions Tons/Yr:	13
NOX - Oxides of Nitrogen Tons/Yr:	79
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	3
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3

Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	16639
Air District Name:	SC
SIC Code:	3462
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	37
SOX - Oxides of Sulphur Tons/Yr:	0

SHULTZ STEEL COMPANY (Continued) **1000292834**

Particulate Matter Tons/Yr:	2
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2
Year:	1998
County Code:	19
Air Basin:	SC
Facility ID:	16639
Air District Name:	SC
SIC Code:	3462
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	37
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	2
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2
Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	16639
Air District Name:	SC
SIC Code:	3462
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	37
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	2
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2
Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	16639
Air District Name:	SC
SIC Code:	3462
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	37
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	2
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2
Year:	2001
County Code:	19
Air Basin:	SC

SHULTZ STEEL COMPANY (Continued) **1000292834**

Facility ID:	16639
Air District Name:	SC
SIC Code:	3462
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	11
NOX - Oxides of Nitrogen Tons/Yr:	50
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	2
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2

Year:	2002
County Code:	19
Air Basin:	SC
Facility ID:	16639
Air District Name:	SC
SIC Code:	3462
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	25
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	9
NOX - Oxides of Nitrogen Tons/Yr:	25
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	2
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2

Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	16639
Air District Name:	SC
SIC Code:	3462
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	25
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	9
NOX - Oxides of Nitrogen Tons/Yr:	25
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	2
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2

Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	16639
Air District Name:	SC
SIC Code:	3462
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported

SHULTZ STEEL COMPANY (Continued) **1000292834**

Total Organic Hydrocarbon Gases Tons/Yr:	24.55135
Reactive Organic Gases Tons/Yr:	3.31
Carbon Monoxide Emissions Tons/Yr:	8.84061
NOX - Oxides of Nitrogen Tons/Yr:	25.2659
SOX - Oxides of Sulphur Tons/Yr:	0.200692
Particulate Matter Tons/Yr:	1.82182
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.77

Year:	2005
County Code:	19
Air Basin:	SC
Facility ID:	16639
Air District Name:	SC
SIC Code:	3462
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.070411
Reactive Organic Gases Tons/Yr:	.9730220242
Carbon Monoxide Emissions Tons/Yr:	8.9276151
NOX - Oxides of Nitrogen Tons/Yr:	24.023339
SOX - Oxides of Sulphur Tons/Yr:	.21874122
Particulate Matter Tons/Yr:	6.6388772
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4.3239886

Year:	2006
County Code:	19
Air Basin:	SC
Facility ID:	16639
Air District Name:	SC
SIC Code:	3462
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	29.32780523705232656
Reactive Organic Gases Tons/Yr:	4.41
Carbon Monoxide Emissions Tons/Yr:	12.22
NOX - Oxides of Nitrogen Tons/Yr:	15.128
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	3.066
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2.931326

Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	16639
Air District Name:	SC
SIC Code:	3462
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	29.32780523705232656
Reactive Organic Gases Tons/Yr:	4.41
Carbon Monoxide Emissions Tons/Yr:	12.22
NOX - Oxides of Nitrogen Tons/Yr:	15.128
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	3.066

SHULTZ STEEL COMPANY (Continued) **1000292834**

Part. Matter 10 Micrometers and Smllr Tons/Yr:2.931326

Year:	2009
County Code:	19
Air Basin:	SC
Facility ID:	16639
Air District Name:	SC
SIC Code:	3462
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	27.960322859523099
Reactive Organic Gases Tons/Yr:	3.9900000000000002
Carbon Monoxide Emissions Tons/Yr:	10.91
NOX - Oxides of Nitrogen Tons/Yr:	11.17
SOX - Oxides of Sulphur Tons/Yr:	0.20946999999999999
Particulate Matter Tons/Yr:	3.4464000000000001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2.6656040000000001

Year:	2010
County Code:	19
Air Basin:	SC
Facility ID:	16639
Air District Name:	SC
SIC Code:	3463
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	32.239103278139403
Reactive Organic Gases Tons/Yr:	4.6243999999999996
Carbon Monoxide Emissions Tons/Yr:	12.602460000000001
NOX - Oxides of Nitrogen Tons/Yr:	12.83198
SOX - Oxides of Sulphur Tons/Yr:	0.25997999999999999
Particulate Matter Tons/Yr:	3.8205900000000002
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3.0085721599999999

Year:	2011
County Code:	19
Air Basin:	SC
Facility ID:	16639
Air District Name:	SC
SIC Code:	3463
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	42.81563493
Reactive Organic Gases Tons/Yr:	5.87741
Carbon Monoxide Emissions Tons/Yr:	15.40251
NOX - Oxides of Nitrogen Tons/Yr:	15.17949
SOX - Oxides of Sulphur Tons/Yr:	0.30871
Particulate Matter Tons/Yr:	4.46796
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3.52956466

Year:	2012
County Code:	19
Air Basin:	SC
Facility ID:	16639

SHULTZ STEEL COMPANY (Continued) **1000292834**

Air District Name:	SC
SIC Code:	9999
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	41.950703112
Reactive Organic Gases Tons/Yr:	5.89791
Carbon Monoxide Emissions Tons/Yr:	15.71717
NOX - Oxides of Nitrogen Tons/Yr:	15.81548
SOX - Oxides of Sulphur Tons/Yr:	0.15575
Particulate Matter Tons/Yr:	4.24368
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3.47233064

Year:	2013
County Code:	19
Air Basin:	SC
Facility ID:	16639
Air District Name:	SC
SIC Code:	3463
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	41.160462551
Reactive Organic Gases Tons/Yr:	5.82051
Carbon Monoxide Emissions Tons/Yr:	15.65253
NOX - Oxides of Nitrogen Tons/Yr:	15.38798
SOX - Oxides of Sulphur Tons/Yr:	0.15748
Particulate Matter Tons/Yr:	3.63867
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3.16964928

Year:	2014
County Code:	19
Air Basin:	SC
Facility ID:	16639
Air District Name:	SC
SIC Code:	3462
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.117946639
Reactive Organic Gases Tons/Yr:	2.10273
Carbon Monoxide Emissions Tons/Yr:	8.10476
NOX - Oxides of Nitrogen Tons/Yr:	15.18013
SOX - Oxides of Sulphur Tons/Yr:	0.13487
Particulate Matter Tons/Yr:	2.59291
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2.422509

Year:	2015
County Code:	19
Air Basin:	SC
Facility ID:	16639
Air District Name:	SC
SIC Code:	3462
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.9831898416

SHULTZ STEEL COMPANY (Continued) **1000292834**

Reactive Organic Gases Tons/Yr: 2.17391307
Carbon Monoxide Emissions Tons/Yr: 7.25385823
NOX - Oxides of Nitrogen Tons/Yr: 13.65738517
SOX - Oxides of Sulphur Tons/Yr: 0.12137826
Particulate Matter Tons/Yr: 2.664830105
Part. Matter 10 Micrometers and Smllr Tons/Yr: 2.502361319

LOS ANGELES CO. HMS:
Region: LA
Permit Category: T
Facility Id: 011626-011678
Facility Type: 0
Facility Status: Removed
Area: 2J
Permit Number: 00003248T
Permit Status: Removed

NPDES:
Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 4
Regulatory Measure Id: 188965
Order No: Not reported
Regulatory Measure Type: Industrial
Place Id: Not reported
WDID: 4 19I002437
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
RECEIVED DATE: 5/9/2008
PROCESSED DATE: 4/1/1992
STATUS CODE NAME: Active
STATUS DATE: 4/1/1992
PLACE SIZE: 566800
PLACE SIZE UNIT: SqFt
FACILITY CONTACT NAME: Peter J Nash
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: 323-357-3277
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: pjnash@shultzsteel.com
OPERATOR NAME: Shultz Steel Co
OPERATOR ADDRESS: 5321 E Firestone Blvd
OPERATOR CITY: South Gate
OPERATOR STATE: California
OPERATOR ZIP: 90280
OPERATOR CONTACT NAME: Peter J Nash
OPERATOR CONTACT TITLE: Not reported
OPERATOR CONTACT PHONE: 323-357-3277

SHULTZ STEEL COMPANY (Continued) **1000292834**

OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	pjnash@shultzsteel.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Los Angeles River
CERTIFIER NAME:	John Shultz
CERTIFIER TITLE:	Exec VP
CERTIFICATION DATE:	04-MAR-15
PRIMARY SIC:	3462-Iron and Steel Forgings
SECONDARY SIC:	3463-Nonferrous Forgings
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	188965
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I002437
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/01/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Shultz Steel Co
Discharge Address:	5321 E Firestone Blvd
Discharge City:	South Gate
Discharge State:	California
Discharge Zip:	90280

SHULTZ STEEL COMPANY (Continued) **1000292834**

RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

SHULTZ STEEL COMPANY (Continued) **1000292834**

WDS:

Facility ID:	4 19I002437
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	Not reported
Facility Contact:	Not reported
Agency Name:	SHULTZ STEEL COMPANY
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Not reported
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

Count: 4 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BELL	S104857350	MARRS FABULOUS CLEANERS	3626 FLORENCE	90201	SLIC
BELL	S107027248	SOUTH REGION MIDDLE SCHOOL #2	LOMA VISTA PLACE/GAGE AVENUE	90201	ENVIROSTOR, SCH
BELL	S107735900	BELL NEW ELEMENTARY SCHOOL NO. 3	WILCOX AVENUE/FLORENCE AVENUE	90201	ENVIROSTOR, SCH
SOUTH GATE	S105628516	STANFORD NEW PRIMARY CENTER	LONG BEACH BOULEVARD/MISSOURI	90280	ENVIROSTOR, SCH

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: 04/05/2017
Date Data Arrived at EDR: 04/21/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 21

Source: EPA
Telephone: N/A
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/16/2017
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: 04/05/2017
Date Data Arrived at EDR: 04/21/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 21

Source: EPA
Telephone: N/A
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/05/2017
Date Data Arrived at EDR: 04/21/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 21

Source: EPA
Telephone: N/A
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 02/07/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/21/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 02/07/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/11/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/11/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/11/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/11/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/11/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Varies

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: 12/28/2016
Date Data Arrived at EDR: 01/04/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 93

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/10/2017
Next Scheduled EDR Contact: 11/27/2017
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: 02/13/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 101

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 101

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 43

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/28/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 07/31/2017
Date Data Arrived at EDR: 08/01/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 14

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/01/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 07/31/2017
Date Data Arrived at EDR: 08/01/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 14

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/01/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

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

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/15/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 76

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 49
Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

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

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

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

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

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

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41
Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

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

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27
Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

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

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

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

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

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

LUST REG 5: Leaking Underground Storage Tank Database

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

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

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

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

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

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

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 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

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: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Semi-Annually

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: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

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

Date of Government Version: 10/07/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/06/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Quarterly

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: 10/17/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
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: 10/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

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: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 49

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
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: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
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: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
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: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
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: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/14/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Varies

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

Date of Government Version: 03/12/2017
Date Data Arrived at EDR: 03/16/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 57
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
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: 06/21/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Quarterly

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: 01/14/2017
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

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

Date of Government Version: 10/07/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Quarterly

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: 09/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

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

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98
Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Semi-Annually

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Semi-Annually

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: 10/17/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Quarterly

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: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
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: 10/06/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

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

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/27/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

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

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

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 07/31/2017
Date Data Arrived at EDR: 08/01/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 14

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/01/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 01/03/2017
Date Data Arrived at EDR: 01/04/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 57

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/28/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Varies

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: 03/02/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/20/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: No Update Planned

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

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

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

Date of Government Version: 05/30/2017
Date Data Arrived at EDR: 05/31/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 76
Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/10/2017
Next Scheduled EDR Contact: 11/27/2017
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: 08/01/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/24/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 08/10/2017
Next Scheduled EDR Contact: 11/13/2017
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: 02/09/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 93
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

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

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

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

Date of Government Version: 07/31/2017
Date Data Arrived at EDR: 08/01/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 14
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/01/2017
Next Scheduled EDR Contact: 11/13/2017
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: 12/31/2016
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 54
Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/14/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/09/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 93
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 67

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database

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

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

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

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/06/2017
Date Data Arrived at EDR: 03/07/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/26/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 06/05/2017
Date Data Arrived at EDR: 06/06/2017
Date Made Active in Reports: 08/10/2017
Number of Days to Update: 65

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 06/06/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/28/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 37

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/28/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Annually

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: 12/06/2016
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 105

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/26/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/12/2017
Date Data Arrived at EDR: 06/14/2017
Date Made Active in Reports: 08/18/2017
Number of Days to Update: 65

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 49

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

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

Other Ascertainable Records

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

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

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/11/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

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

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/12/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/14/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/15/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 08/11/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/07/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/26/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 11/08/2017
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: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 02/01/2017
Date Data Arrived at EDR: 02/09/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/24/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 08/08/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2016
Date Data Arrived at EDR: 04/28/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 127
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Annually

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

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Quarterly

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

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

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

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

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

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 08/01/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/05/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/05/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 11/08/2017
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: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 35
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/12/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Quarterly

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

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

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

DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/01/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/09/2017
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: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/26/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/11/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

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

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

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

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

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

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 08/11/2017
Next Scheduled EDR Contact: 10/09/2017
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: 08/11/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/08/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 38

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/14/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 21

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/04/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 35

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/07/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 91

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/19/2017
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/07/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 67

Source: Department of Defense
Telephone: 571-373-0407
Last EDR Contact: 07/17/2017
Next Scheduled EDR Contact: 10/30/2017
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: 02/22/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 79

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

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

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

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

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

Date of Government Version: 12/28/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 64

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/28/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 42

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 07/13/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Annually

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 147

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/23/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 05/01/2017
Date Data Arrived at EDR: 05/03/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 104

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 06/05/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 67

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/21/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

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

Date of Government Version: 05/16/2017
Date Data Arrived at EDR: 05/19/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 88

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/10/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

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

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 10/12/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 64

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/12/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Annually

ICE: ICE

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

Date of Government Version: 05/22/2017
Date Data Arrived at EDR: 05/24/2017
Date Made Active in Reports: 08/18/2017
Number of Days to Update: 86

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

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

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

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

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

Date of Government Version: 05/22/2017
Date Data Arrived at EDR: 05/24/2017
Date Made Active in Reports: 08/18/2017
Number of Days to Update: 86
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/11/2017
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 04/26/2017
Number of Days to Update: 13
Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/12/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Quarterly

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

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Varies

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: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 86
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 06/06/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/15/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 107
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/03/2017
Number of Days to Update: 87
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 06/07/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 12/22/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 70
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/16/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 01/20/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board?s review found that more than one-third of the region?s active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/14/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/27/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

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: 04/10/2017
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 31

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/10/2017
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 21

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 06/20/2017
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 49

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 06/16/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

BUTTE COUNTY:

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: 08/03/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 04/25/2017
Date Data Arrived at EDR: 04/27/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 104

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/27/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 02/23/2017
Date Data Arrived at EDR: 02/24/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 77

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 05/26/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 07/27/2017
Number of Days to Update: 58

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/31/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 05/02/2017
Date Data Arrived at EDR: 05/04/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 92

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 06/19/2017
Date Data Arrived at EDR: 06/20/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 50

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/31/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/30/2017
Date Data Arrived at EDR: 07/05/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 30

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/29/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 111

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/21/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 03/20/2017
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 57

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 101

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/21/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 06/08/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 56

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 02/07/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 81

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 03/06/2017
Date Data Arrived at EDR: 03/07/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 71

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 05/09/2017
Date Data Arrived at EDR: 05/11/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 90

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/17/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/13/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 101

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 07/21/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206
Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 06/16/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/18/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/18/2017
Number of Days to Update: 115
Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/17/2017
Date Data Arrived at EDR: 04/18/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 14
Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/18/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016
Date Data Arrived at EDR: 01/26/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 56
Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/13/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/29/2016
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 06/13/2016
Number of Days to Update: 68
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/17/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/17/2017
Date Data Arrived at EDR: 01/18/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 112
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/13/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/21/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/10/2017
Date Data Arrived at EDR: 01/13/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 110

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 06/01/2017
Date Data Arrived at EDR: 06/02/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 63

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 03/31/2017
Date Data Arrived at EDR: 04/06/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 27

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 06/29/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 02/22/2017
Date Data Arrived at EDR: 02/23/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 02/21/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 76

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/08/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

MONTEREY COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/22/2017
Date Data Arrived at EDR: 06/23/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 47

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 03/16/2017
Date Made Active in Reports: 05/09/2017
Number of Days to Update: 54

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 05/08/2017
Date Data Arrived at EDR: 05/09/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 92

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/03/2017
Date Data Arrived at EDR: 05/11/2017
Date Made Active in Reports: 08/18/2017
Number of Days to Update: 99

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/07/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/04/2016
Date Data Arrived at EDR: 11/11/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 73

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/07/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/06/2017
Date Data Arrived at EDR: 02/07/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 85
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/09/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38
Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 06/19/2017
Date Data Arrived at EDR: 07/05/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 35
Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/21/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/18/2017
Date Data Arrived at EDR: 04/20/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 1
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/19/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/19/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 98
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/19/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/06/2017
Date Data Arrived at EDR: 04/04/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 127

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/06/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/08/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 56

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/06/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 11/30/2016
Date Data Arrived at EDR: 02/09/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 105

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 12/09/2016
Date Data Arrived at EDR: 12/13/2016
Date Made Active in Reports: 03/03/2017
Number of Days to Update: 80

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 08/07/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 06/05/2017
Date Data Arrived at EDR: 06/07/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 69

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/07/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Quarterly

Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/21/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 06/05/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 08/07/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 02/28/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 62
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 08/07/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 03/21/2017
Date Data Arrived at EDR: 03/23/2017
Date Made Active in Reports: 05/09/2017
Number of Days to Update: 47
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/16/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/05/2017
Date Data Arrived at EDR: 06/16/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 54
Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 33
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 14
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 02/22/2017
Date Data Arrived at EDR: 02/23/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 89
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/07/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/04/2017
Date Data Arrived at EDR: 05/08/2017
Date Made Active in Reports: 07/27/2017
Number of Days to Update: 80

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/21/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 1

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 47

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 06/27/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 43

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 55

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 05/10/2017
Date Data Arrived at EDR: 05/16/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 85

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/17/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Varies

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 35

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA Facility List

Cupa facilities

Date of Government Version: 05/01/2017
Date Data Arrived at EDR: 05/08/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 93

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/21/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

TULARE COUNTY:

CUPA Facility List
Cupa program facilities

Date of Government Version: 01/05/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 104

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 04/27/2017
Date Data Arrived at EDR: 04/27/2017
Date Made Active in Reports: 08/10/2017
Number of Days to Update: 105

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/27/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 103

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/24/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/29/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/10/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Quarterly

Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 01/24/2017
Number of Days to Update: 89

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/24/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/27/2017
Date Data Arrived at EDR: 03/15/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 49
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 03/31/2017
Date Data Arrived at EDR: 04/06/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 27
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/29/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 01/31/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 112
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 07/27/2017
Number of Days to Update: 107
Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/10/2017
Next Scheduled EDR Contact: 10/23/2017
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: 01/30/2017
Date Data Arrived at EDR: 02/01/2017
Date Made Active in Reports: 02/13/2017
Number of Days to Update: 12
Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 07/22/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 123
Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/17/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26
Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92
Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/12/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.
Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.
Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

LAUSD
4811 ELIZABETH ST.
CUDAHY, CA 90201

TARGET PROPERTY COORDINATES

Latitude (North):	33.96473 - 33° 57' 53.03''
Longitude (West):	118.184663 - 118° 11' 4.79''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	390548.3
UTM Y (Meters):	3758683.2
Elevation:	128 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5633765 SOUTH GATE, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

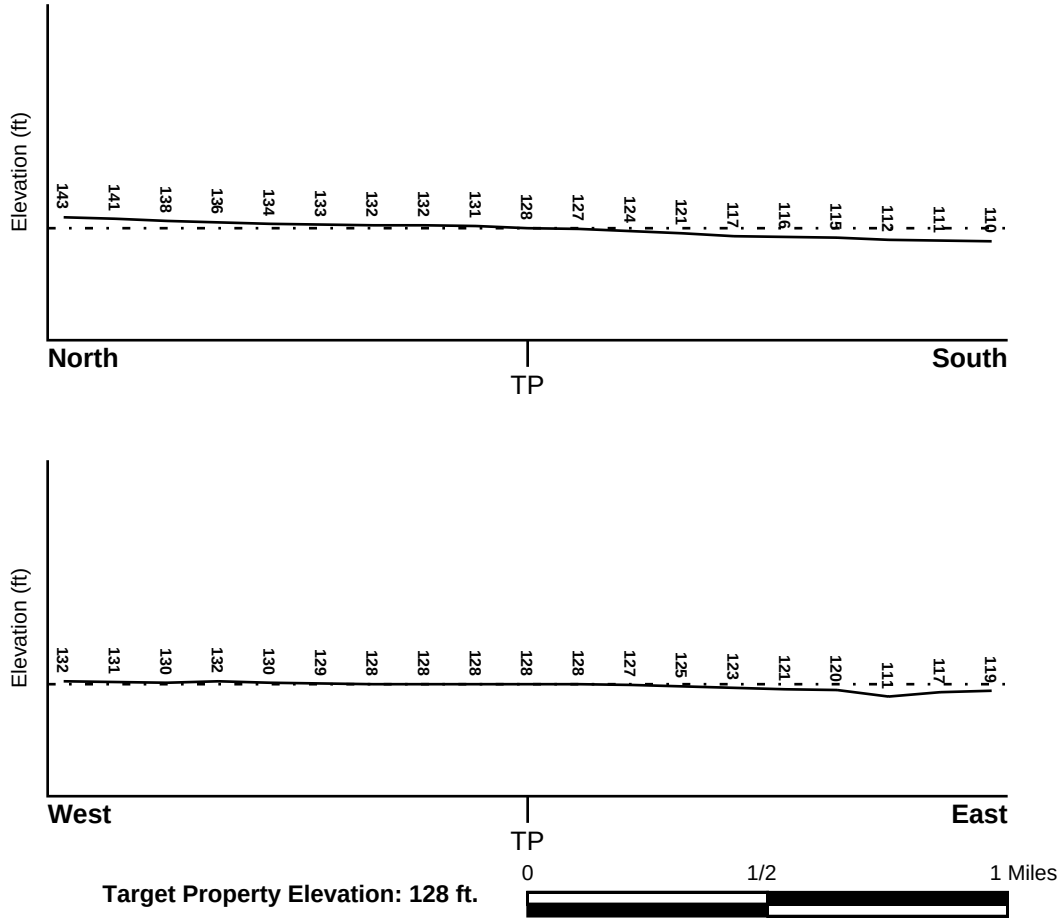
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1810F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1805F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
SOUTH GATE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile SSW
Site Name:	Stauffer Chem Co
Site EPA ID Number:	CAD008353211
Surficial Aquifer Flow Dir.:	NW. THIS FLOW APPLIES TO THE SEMI-PERCHED AQUIFER.
Inferred Depth to Water:	less than 150 feet.
Hydraulic Connection:	The Bellflower aquiclude separates the surficial (semi-perched) and lower aquifers.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
15	1/4 - 1/2 Mile NE	NE

* ©1996 Site--specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
19	1/2 - 1 Mile NW	SW
24	1/2 - 1 Mile WNW	SW
1G	1/2 - 1 Mile WNW	SW
2G	1/2 - 1 Mile NW	SW
3G	1/4 - 1/2 Mile NE	NE

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types:
fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types:
stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B10	USGS40000139292	1/4 - 1/2 Mile SSW
C11	USGS40000139379	1/4 - 1/2 Mile NNW
C12	USGS40000139377	1/4 - 1/2 Mile NNW
C13	USGS40000139378	1/4 - 1/2 Mile NNW
16	USGS40000139309	1/2 - 1 Mile WSW
21	USGS40000139234	1/2 - 1 Mile SSE
23	USGS40000139380	1/2 - 1 Mile ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B9	CA1910159	1/4 - 1/2 Mile South

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	2941	1/8 - 1/4 Mile North
A2	2942	1/8 - 1/4 Mile North
A3	2943	1/8 - 1/4 Mile North
A4	2937	1/8 - 1/4 Mile North
A5	2882	1/8 - 1/4 Mile North
A6	2938	1/8 - 1/4 Mile North
A7	2940	1/8 - 1/4 Mile North
A8	2939	1/8 - 1/4 Mile North
14	2944	1/4 - 1/2 Mile NNW
17	2885	1/2 - 1 Mile SE
18	2971	1/2 - 1 Mile SSW
20	2884	1/2 - 1 Mile ENE
22	2840	1/2 - 1 Mile NNE
25	CADW60000018795	1/2 - 1 Mile SE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
26	2936	1/2 - 1 Mile NNW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG11000204608	1/4 - 1/2 Mile NNE
2	CAOG11000305945	1/4 - 1/2 Mile NNE
3	CAOG11000204880	1/4 - 1/2 Mile SSE
4	CAOG11000213965	1/2 - 1 Mile SSE

PHYSICAL SETTING SOURCE MAP - 05028286.2r



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	LAUSD	CLIENT:	APTIM
ADDRESS:	4811 Elizabeth St. Cudahy CA 90201	CONTACT:	Doug Hulmes
		INQUIRY #:	05028286.2r
LAT/LONG:	33.96473 / 118.184663	DATE:	August 21, 2017 5:22 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
North
1/8 - 1/4 Mile
Higher | **CA WELLS** | **2941**

Water System Information:

Prime Station Code:	02S/13W-25H02 S	User ID:	4TH
FRDS Number:	1910159002	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Destroyed
Source Lat/Long:	335800.0 1181100.0	Precision:	Undefined
Source Name:	WELL 02E - DESTROYED		
System Number:	1910159		
System Name:	TRACT 180 MUTUAL WATER CO.		
Organization That Operates System:			
	4544 E FLORENCE AVE.		
	CUDAHY, CA 90201		
Pop Served:	14000	Connections:	957
Area Served:	CUDAHY		

A2
North
1/8 - 1/4 Mile
Higher | **CA WELLS** | **2942**

Water System Information:

Prime Station Code:	02S/13W-25H04 S	User ID:	4TH
FRDS Number:	1910159003	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Destroyed
Source Lat/Long:	335800.0 1181100.0	Precision:	Undefined
Source Name:	WELL 04-01N - DESTROYED		
System Number:	1910159		
System Name:	TRACT 180 MUTUAL WATER CO.		
Organization That Operates System:			
	4544 E FLORENCE AVE.		
	CUDAHY, CA 90201		
Pop Served:	14000	Connections:	957
Area Served:	CUDAHY		
Sample Collected:	27-JAN-14	Findings:	50. UG/L
Chemical:	MANGANESE		
Sample Collected:	27-JAN-14	Findings:	4.2 UG/L
Chemical:	1,4-DIOXANE		

A3
North
1/8 - 1/4 Mile
Higher | **CA WELLS** | **2943**

Water System Information:

Prime Station Code:	02S/13W-25H05 S	User ID:	4TH
FRDS Number:	1910159001	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Destroyed
Source Lat/Long:	335800.0 1181100.0	Precision:	Undefined
Source Name:	WELL 02-02E - DESTROYED		

System Number: 1910159
System Name: TRACT 180 MUTUAL WATER CO.
Organization That Operates System:
4544 E FLORENCE AVE.
CUDAHY, CA 90201
Pop Served: 14000 Connections: 957
Area Served: CUDAHY

A4
North
1/8 - 1/4 Mile
Higher

CA WELLS **2937**

Water System Information:

Prime Station Code:	02S/13W-25C02 S	User ID:	4TH
FRDS Number:	1910160002	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Untreated
Source Lat/Long:	335800.0 1181100.0	Precision:	Undefined
Source Name:	WELL 02		
System Number:	1910160		
System Name:	TRACT 349 MUTUAL WATER CO.		
Organization That Operates System:	4630 SANTA ANA ST CUDAHY, CA 90201		
Pop Served:	7251	Connections:	856
Area Served:	CUDAHY		
Sample Collected:	24-OCT-13	Findings:	1.93 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	24-OCT-13	Findings:	1.76 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	06-FEB-14	Findings:	52. UG/L
Chemical:	MANGANESE		
Sample Collected:	06-FEB-14	Findings:	0.72 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	06-FEB-14	Findings:	3.8 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	16-APR-14	Findings:	0.505 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	16-APR-14	Findings:	0.2 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	16-APR-14	Findings:	0.145 PCI/L
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Sample Collected:	16-APR-14	Findings:	0.219 PCI/L
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.		
Sample Collected:	16-APR-14	Findings:	0.363 PCI/L
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Sample Collected:	16-APR-14	Findings:	22. UG/L
Chemical:	MANGANESE		

Sample Collected:	16-APR-14	Findings:	1.1 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	16-APR-14	Findings:	2.1 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	31-JUL-14	Findings:	21. UG/L
Chemical:	MANGANESE		
Sample Collected:	31-JUL-14	Findings:	0.51 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	31-JUL-14	Findings:	1.2 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	12-DEC-14	Findings:	59. UG/L
Chemical:	MANGANESE		
Sample Collected:	12-DEC-14	Findings:	0.63 UG/L
Chemical:	1,1,2-TRICHLOROETHANE		
Sample Collected:	12-DEC-14	Findings:	1.3 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	12-DEC-14	Findings:	1.9 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	12-DEC-14	Findings:	2.8 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	23-DEC-14	Findings:	1.1 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	16-JAN-15	Findings:	1. UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	20-FEB-15	Findings:	0.54 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	20-MAR-15	Findings:	26. UG/L
Chemical:	MANGANESE		
Sample Collected:	20-MAR-15	Findings:	1.4 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	24-APR-15	Findings:	30. UG/L
Chemical:	MANGANESE		
Sample Collected:	30-JUL-15	Findings:	46. UG/L
Chemical:	MANGANESE		
Sample Collected:	30-JUL-15	Findings:	0.53 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	30-JUL-15	Findings:	0.82 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	30-JUL-15	Findings:	1.6 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	23-OCT-15	Findings:	41. UG/L
Chemical:	MANGANESE		
Sample Collected:	29-MAR-16	Findings:	43. UG/L
Chemical:	MANGANESE		

Sample Collected:	27-MAY-16	Findings:	590. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	27-MAY-16	Findings:	8.01
Chemical:	PH, LABORATORY		
Sample Collected:	27-MAY-16	Findings:	190. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	27-MAY-16	Findings:	230. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	27-MAY-16	Findings:	203. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	27-MAY-16	Findings:	59. MG/L
Chemical:	CALCIUM		
Sample Collected:	27-MAY-16	Findings:	14. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	27-MAY-16	Findings:	43. MG/L
Chemical:	SODIUM		
Sample Collected:	27-MAY-16	Findings:	3.5 MG/L
Chemical:	POTASSIUM		
Sample Collected:	27-MAY-16	Findings:	39. MG/L
Chemical:	CHLORIDE		
Sample Collected:	27-MAY-16	Findings:	72. MG/L
Chemical:	SULFATE		
Sample Collected:	27-MAY-16	Findings:	0.37 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	27-MAY-16	Findings:	120. UG/L
Chemical:	BARIUM		
Sample Collected:	27-MAY-16	Findings:	38. UG/L
Chemical:	MANGANESE		
Sample Collected:	27-MAY-16	Findings:	350. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	27-MAY-16	Findings:	12.5
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	24-JUN-16	Findings:	1.1 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	22-JUL-16	Findings:	26. UG/L
Chemical:	MANGANESE		
Sample Collected:	22-JUL-16	Findings:	1.1 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	26-AUG-16	Findings:	0.52 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	26-AUG-16	Findings:	1.3 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	16-SEP-16	Findings:	1.1 UG/L
Chemical:	1,4-DIOXANE		

Sample Collected:	10-JAN-11	Findings:	40. UG/L
Chemical:	MANGANESE		
Sample Collected:	10-JAN-11	Findings:	0.78 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	12-APR-11	Findings:	39. UG/L
Chemical:	MANGANESE		
Sample Collected:	12-APR-11	Findings:	0.62 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	21-JUL-11	Findings:	45. UG/L
Chemical:	MANGANESE		
Sample Collected:	21-JUL-11	Findings:	0.6 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	21-JUL-11	Findings:	1.3 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	17-OCT-11	Findings:	20. C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	17-OCT-11	Findings:	50. UG/L
Chemical:	MANGANESE		
Sample Collected:	17-OCT-11	Findings:	0.51 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	17-OCT-11	Findings:	0.96 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	14-NOV-11	Findings:	18. C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12-JAN-12	Findings:	47. UG/L
Chemical:	MANGANESE		
Sample Collected:	12-JAN-12	Findings:	0.58 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	12-JAN-12	Findings:	0.83 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	23-JAN-12	Findings:	0.54 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	23-JAN-12	Findings:	0.84 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	09-FEB-12	Findings:	0.56 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	15-MAR-12	Findings:	19.7 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-MAR-12	Findings:	0.57 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	24-APR-12	Findings:	19.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	24-APR-12	Findings:	42. UG/L
Chemical:	MANGANESE		

Sample Collected:	24-APR-12	Findings:	0.57 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	14-MAY-12	Findings:	20.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12-JUN-12	Findings:	22.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12-JUL-12	Findings:	20.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12-JUL-12	Findings:	37. UG/L
Chemical:	MANGANESE		
Sample Collected:	09-AUG-12	Findings:	20.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	09-AUG-12	Findings:	1.3 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	22-OCT-12	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-OCT-12	Findings:	46. UG/L
Chemical:	MANGANESE		
Sample Collected:	22-OCT-12	Findings:	0.59 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	22-OCT-12	Findings:	1.1 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	21-JAN-13	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	21-JAN-13	Findings:	38. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-APR-13	Findings:	18.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-APR-13	Findings:	620. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	16-APR-13	Findings:	7.99
Chemical:	PH, LABORATORY		
Sample Collected:	16-APR-13	Findings:	180. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	16-APR-13	Findings:	220. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	16-APR-13	Findings:	240. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	16-APR-13	Findings:	71. MG/L
Chemical:	CALCIUM		
Sample Collected:	16-APR-13	Findings:	16. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	16-APR-13	Findings:	49. MG/L
Chemical:	SODIUM		

Sample Collected:	16-APR-13	Findings:	3.5 MG/L
Chemical:	POTASSIUM		
Sample Collected:	16-APR-13	Findings:	43. MG/L
Chemical:	CHLORIDE		
Sample Collected:	16-APR-13	Findings:	90. MG/L
Chemical:	SULFATE		
Sample Collected:	16-APR-13	Findings:	0.4 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	16-APR-13	Findings:	150. UG/L
Chemical:	BARIUM		
Sample Collected:	16-APR-13	Findings:	39. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-APR-13	Findings:	0.63 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	16-APR-13	Findings:	430. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	16-APR-13	Findings:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	27-SEP-13	Findings:	18.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	27-SEP-13	Findings:	24. UG/L
Chemical:	MANGANESE		
Sample Collected:	27-SEP-13	Findings:	0.53 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	27-SEP-13	Findings:	0.79 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	10-OCT-13	Findings:	18.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	24-OCT-13	Findings:	19.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	24-OCT-13	Findings:	1.5 PCI/L
Chemical:	URANIUM (PCI/L)		

A5
North
1/8 - 1/4 Mile
Higher

CA WELLS **2882**

Water System Information:

Prime Station Code:	02S/12W-30E03 S	User ID:	4TH
FRDS Number:	1910159004	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Untreated
Source Lat/Long:	335800.0 1181100.0	Precision:	Undefined
Source Name:	WELL 05		
System Number:	1910159		
System Name:	TRACT 180 MUTUAL WATER CO.		
Organization That Operates System:			
	4544 E FLORENCE AVE.		
	CUDAHY, CA 90201		
Pop Served:	14000	Connections:	957
Area Served:	CUDAHY		

Sample Collected:	19-JUL-16	Findings:	6.4 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	10-JAN-11	Findings:	2.5 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	10-JAN-11	Findings:	2.5 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	10-JAN-11	Findings:	6.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	15-APR-11	Findings:	21. C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-APR-11	Findings:	2.5 UNITS
Chemical:	COLOR		
Sample Collected:	15-APR-11	Findings:	640. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	15-APR-11	Findings:	8.1
Chemical:	PH, LABORATORY		
Sample Collected:	15-APR-11	Findings:	190. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	15-APR-11	Findings:	190. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	15-APR-11	Findings:	250. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	15-APR-11	Findings:	74. MG/L
Chemical:	CALCIUM		
Sample Collected:	15-APR-11	Findings:	16. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	15-APR-11	Findings:	52. MG/L
Chemical:	SODIUM		
Sample Collected:	15-APR-11	Findings:	3.3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	15-APR-11	Findings:	51. MG/L
Chemical:	CHLORIDE		
Sample Collected:	15-APR-11	Findings:	100. MG/L
Chemical:	SULFATE		
Sample Collected:	15-APR-11	Findings:	0.33 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	15-APR-11	Findings:	140. UG/L
Chemical:	BARIUM		
Sample Collected:	15-APR-11	Findings:	2.2 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	15-APR-11	Findings:	2.6 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	15-APR-11	Findings:	460. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

Sample Collected:	15-APR-11	Findings:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	15-APR-11	Findings:	1800. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	15-JUL-11	Findings:	1.7 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	15-JUL-11	Findings:	2.3 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	15-JUL-11	Findings:	7.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	15-JUL-11	Findings:	3.4 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	17-OCT-11	Findings:	20. C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	17-OCT-11	Findings:	2.3 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	17-OCT-11	Findings:	3. UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	17-OCT-11	Findings:	8.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	19-JAN-12	Findings:	1.8 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	19-JAN-12	Findings:	2.5 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	19-JAN-12	Findings:	8.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	24-APR-12	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	24-APR-12	Findings:	1.6 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	24-APR-12	Findings:	2.3 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	24-APR-12	Findings:	8. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	14-JUN-12	Findings:	21.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	14-JUN-12	Findings:	3.5 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	19-JUL-12	Findings:	21.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	19-JUL-12	Findings:	1.4 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	19-JUL-12	Findings:	1.8 UG/L
Chemical:	TRICHLOROETHYLENE		

Sample Collected:	19-JUL-12	Findings:	7.1 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	18-SEP-12	Findings:	20.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	18-SEP-12	Findings:	4. UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	22-OCT-12	Findings:	20.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	22-OCT-12	Findings:	2. UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	22-OCT-12	Findings:	2.3 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	22-OCT-12	Findings:	7.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	17-DEC-12	Findings:	19.2 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	17-DEC-12	Findings:	4. UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	15-JAN-13	Findings:	17.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-JAN-13	Findings:	1.7 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	15-JAN-13	Findings:	2.4 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	15-JAN-13	Findings:	9.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-MAR-13	Findings:	18.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07-MAR-13	Findings:	2.8 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	16-APR-13	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	16-APR-13	Findings:	2.3 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	16-APR-13	Findings:	2.7 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	16-APR-13	Findings:	8.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	18-JUN-13	Findings:	18.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	18-JUN-13	Findings:	5.9 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	12-JUL-13	Findings:	21.3 C
Chemical:	SOURCE TEMPERATURE C		

Sample Collected:	12-JUL-13	Findings:	0.92 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	12-JUL-13	Findings:	3.1 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	12-JUL-13	Findings:	9.1 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10-SEP-13	Findings:	20.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	10-SEP-13	Findings:	3.8 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	24-OCT-13	Findings:	18.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	24-OCT-13	Findings:	1.1 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	24-OCT-13	Findings:	0.52 UG/L
Chemical:	1,1-DICHLOROETHYLENE		
Sample Collected:	24-OCT-13	Findings:	4.3 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	24-OCT-13	Findings:	9.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	24-OCT-13	Findings:	5.2 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	27-JAN-14	Findings:	1.3 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	27-JAN-14	Findings:	0.81 UG/L
Chemical:	1,1-DICHLOROETHYLENE		
Sample Collected:	27-JAN-14	Findings:	4.9 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	27-JAN-14	Findings:	11. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	27-JAN-14	Findings:	8. UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	15-APR-14	Findings:	0.853 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	15-APR-14	Findings:	0.506 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	15-APR-14	Findings:	0.209 PCI/L
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.		
Sample Collected:	15-APR-14	Findings:	0.363 PCI/L
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Sample Collected:	15-APR-14	Findings:	750. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	15-APR-14	Findings:	7.58
Chemical:	PH, LABORATORY		

Sample Collected:	15-APR-14	Findings:	180. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	15-APR-14	Findings:	220. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	15-APR-14	Findings:	280. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	15-APR-14	Findings:	79. MG/L
Chemical:	CALCIUM		
Sample Collected:	15-APR-14	Findings:	20. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	15-APR-14	Findings:	48. MG/L
Chemical:	SODIUM		
Sample Collected:	15-APR-14	Findings:	3.4 MG/L
Chemical:	POTASSIUM		
Sample Collected:	15-APR-14	Findings:	60. MG/L
Chemical:	CHLORIDE		
Sample Collected:	15-APR-14	Findings:	130. MG/L
Chemical:	SULFATE		
Sample Collected:	15-APR-14	Findings:	0.36 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	15-APR-14	Findings:	2.1 UG/L
Chemical:	ARSENIC		
Sample Collected:	15-APR-14	Findings:	140. UG/L
Chemical:	BARIUM		
Sample Collected:	15-APR-14	Findings:	0.252 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	15-APR-14	Findings:	2.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	15-APR-14	Findings:	1.5 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	15-APR-14	Findings:	0.6 UG/L
Chemical:	1,1-DICHLOROETHYLENE		
Sample Collected:	15-APR-14	Findings:	4.7 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	15-APR-14	Findings:	450. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	15-APR-14	Findings:	9.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	15-APR-14	Findings:	12.1
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	15-APR-14	Findings:	7.9 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	15-APR-14	Findings:	1.6e-002 PCI/L
Chemical:	GROSS ALPHA MDA95		

Sample Collected:	31-JUL-14	Findings:	2.1 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	31-JUL-14	Findings:	0.55 UG/L
Chemical:	1,1-DICHLOROETHYLENE		
Sample Collected:	31-JUL-14	Findings:	4.7 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	31-JUL-14	Findings:	9.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	31-JUL-14	Findings:	8.2 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	21-MAY-15	Findings:	1.1 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	21-MAY-15	Findings:	1.6 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	21-MAY-15	Findings:	4.3 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	21-MAY-15	Findings:	8.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	21-MAY-15	Findings:	8.9 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	07-AUG-15	Findings:	1.3 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	07-AUG-15	Findings:	2.1 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	07-AUG-15	Findings:	7.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	29-OCT-15	Findings:	1.9 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	29-OCT-15	Findings:	3.4 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	23-MAR-16	Findings:	1.8 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	23-MAR-16	Findings:	2. UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	23-MAR-16	Findings:	2.8 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	23-MAR-16	Findings:	5.7 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	20-JUN-16	Findings:	2.6 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	20-JUN-16	Findings:	1.8 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	20-JUN-16	Findings:	0.53 UG/L
Chemical:	1,1-DICHLOROETHYLENE		

Sample Collected:	20-JUN-16	Findings:	3.9 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	20-JUN-16	Findings:	7.6 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	19-JUL-16	Findings:	2.2 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	19-JUL-16	Findings:	1.7 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	19-JUL-16	Findings:	2.3 UG/L
Chemical:	TRICHLOROETHYLENE		

A6
North **CA WELLS** **2938**
1/8 - 1/4 Mile
Higher

Water System Information:

Prime Station Code:	02S/13W-25D03 S	User ID:	4TH
FRDS Number:	1910049002	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Destroyed
Source Lat/Long:	335800.0 1181100.0	Precision:	Undefined
Source Name:	WELL 10 - DESTROYED		
System Number:	1910049		
System Name:	HUNTINGTON PARK-CITY, WATER DEPT.		
Organization That Operates System:			
	6550 MILES AVENUE		
	HUNTINGTON PARK, CA 90255		
Pop Served:	55000	Connections:	6260
Area Served:	HUNTINGTON PARK		

A7
North **CA WELLS** **2940**
1/8 - 1/4 Mile
Higher

Water System Information:

Prime Station Code:	02S/13W-25D05 S	User ID:	4TH
FRDS Number:	1910160001	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Destroyed
Source Lat/Long:	335800.0 1181100.0	Precision:	Undefined
Source Name:	WELL 01 - DESTROYED		
System Number:	1910160		
System Name:	TRACT 349 MUTUAL WATER CO.		
Organization That Operates System:			
	4630 SANTA ANA ST		
	CUDAHY, CA 90201		
Pop Served:	7251	Connections:	856
Area Served:	CUDAHY		

A8
North **CA WELLS** **2939**
1/8 - 1/4 Mile
Higher

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water System Information:

Prime Station Code:	02S/13W-25D04 S	User ID:	4TH
FRDS Number:	1910049007	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335800.0 1181100.0	Precision:	Undefined
Source Name:	WELL 16		
System Number:	1910049		
System Name:	HUNTINGTON PARK-CITY, WATER DEPT.		
Organization That Operates System:			
	6550 MILES AVENUE HUNTINGTON PARK, CA 90255		
Pop Served:	55000	Connections:	6260
Area Served:	HUNTINGTON PARK		
Sample Collected:	12-APR-11	Findings:	3. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	12-APR-11	Findings:	510. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	12-APR-11	Findings:	8.1
Chemical:	PH, LABORATORY		
Sample Collected:	12-APR-11	Findings:	180. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	12-APR-11	Findings:	180. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	12-APR-11	Findings:	190. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	12-APR-11	Findings:	55. MG/L
Chemical:	CALCIUM		
Sample Collected:	12-APR-11	Findings:	12. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	12-APR-11	Findings:	42. MG/L
Chemical:	SODIUM		
Sample Collected:	12-APR-11	Findings:	3.1 MG/L
Chemical:	POTASSIUM		
Sample Collected:	12-APR-11	Findings:	28. MG/L
Chemical:	CHLORIDE		
Sample Collected:	12-APR-11	Findings:	72. MG/L
Chemical:	SULFATE		
Sample Collected:	12-APR-11	Findings:	0.35 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	12-APR-11	Findings:	110. UG/L
Chemical:	BARIUM		
Sample Collected:	12-APR-11	Findings:	130. UG/L
Chemical:	IRON		
Sample Collected:	12-APR-11	Findings:	41. UG/L
Chemical:	MANGANESE		

Sample Collected:	12-APR-11	Findings:	340. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12-APR-11	Findings:	1.4 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12-APR-11	Findings:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	27-MAR-12	Findings:	19.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	24-APR-12	Findings:	22.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	27-JUL-12	Findings:	21.5 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	18-OCT-12	Findings:	21.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	18-APR-13	Findings:	19.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	28-APR-14	Findings:	0.452 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	28-APR-14	Findings:	0.2 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	28-APR-14	Findings:	6.3e-002 PCI/L
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.		
Sample Collected:	28-APR-14	Findings:	0.322 PCI/L
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Sample Collected:	28-APR-14	Findings:	560. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	28-APR-14	Findings:	8.1
Chemical:	PH, LABORATORY		
Sample Collected:	28-APR-14	Findings:	180. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	28-APR-14	Findings:	220. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	28-APR-14	Findings:	200. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	28-APR-14	Findings:	59. MG/L
Chemical:	CALCIUM		
Sample Collected:	28-APR-14	Findings:	13. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	28-APR-14	Findings:	42. MG/L
Chemical:	SODIUM		
Sample Collected:	28-APR-14	Findings:	3.2 MG/L
Chemical:	POTASSIUM		
Sample Collected:	28-APR-14	Findings:	33. MG/L
Chemical:	CHLORIDE		

Sample Collected:	28-APR-14	Findings:	86. MG/L
Chemical:	SULFATE		
Sample Collected:	28-APR-14	Findings:	0.44 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	28-APR-14	Findings:	110. UG/L
Chemical:	BARIUM		
Sample Collected:	28-APR-14	Findings:	43. UG/L
Chemical:	MANGANESE		
Sample Collected:	28-APR-14	Findings:	0.185 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	28-APR-14	Findings:	360. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	28-APR-14	Findings:	0.38 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	28-APR-14	Findings:	12.5
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	28-APR-14	Findings:	1.6e-002 PCI/L
Chemical:	GROSS ALPHA MDA95		

B9
South **FRDS PWS** **CA1910159**
1/4 - 1/2 Mile
Lower

Epa region:	09	State:	CA
Pwsid:	CA1910159		
Pwsname:	TRACT 180 MUTUAL WATER CO.		
City served:	Not Reported	State served:	CA
Zip served:	Not Reported	Fips county:	06037
Status:	Active	Pop srvd:	14000
Pwssvcconn:	1146	Source:	Groundwater
Pws type:	CWS	Owner:	Private
Contact:	BARRERAS, JESSE		
Contactor gname:	BARRERAS, JESSE		
Contact phone:	323-771-6682	Contact address1:	4544 FLORENCE AVENUE
Contact address2:	Not Reported	Contact city:	CUDAHY
Contact state:	CA	Contact zip:	90201
Activity code:	A		

Facid:	6		
Facname:	WELL 05 - CHLORINATION		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	hypochlorination, post

Facid:	668		
Facname:	WELL 05 - CHLORINATION		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	hypochlorination, post

Facid:	683		
Facname:	WELL 06 - CHLORINATION		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	hypochlorination, post

Facid:	7		
Facname:	WELL 06 - CHLORINATION		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	hypochlorination, post

Location Information:

Name:	TRACT 180 MUTUAL WATER CO.		
Pwstypcd:	CWS	Primsrccd:	GW
Popserved:	14000		
Add1:	4544 FLORENCE AVENUE		
Add2:	Not Reported		
City:	CUDAHY	State:	CA
Zip:	90201	Phone:	323-771-6682
Cityserv:	Not Reported	Cntyserv:	Los Angeles
Stateserv:	CA	Zipserv:	Not Reported

Enforcement Information:

Violation id:	Not Reported	Orig cd:	F
Enf fy:	2000	Enf act date:	03/01/2000
Enf act detail:	Fed Compliance achieved	Enf act cat:	Not Reported

PWS ID:	CA1910159		
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	TRACT 180 MUTUAL WATER CO. CUDAHY, CA 90201		

Addressee / Facility:	Not Reported		
Facility Latitude:	33 57 38	Facility Longitude:	118 11 03
City Served:	CUDAHY		
Treatment Class:	Treated	Population:	15000

PWS currently has or had major violation(s) or enforcement: YES

VIOLATIONS INFORMATION:

Violation ID:	93V0001	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	07/01/92	Vio. end Date:	12/31/92	Vio. Period:	006 Months
Num required Samples:	Not Reported	Number of Samples Taken:		Not Reported	
Analysis Result:	Not Reported	Maximum Contaminant Level:		Not Reported	
Analysis Method:	Not Reported				
Violation Type:	Initial Tap Sampling for Pb and Cu				
Contaminant:	LEAD & COPPER RULE				
Vio. Awareness Date:	Not Reported				

Violation ID:	9307003	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	09/01/93	Vio. end Date:	09/30/93	Vio. Period:	001 Months
Num required Samples:	Not Reported	Number of Samples Taken:		Not Reported	
Analysis Result:	000000000000000	Maximum Contaminant Level:		Not Reported	
Analysis Method:	Not Reported				
Violation Type:	Notification, State				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	111593				

ENFORCEMENT INFORMATION:

System Name:	TRACT 180 MUTUAL WATER CO.		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	1992-07-01 - 2015-12-31		
Violation ID:	93V0001		
Enforcement Date:	1993-12-15	Enf. Action:	Fed Compliance Achieved

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B10
SSW **FED USGS** **USGS40000139292**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335736118110701		
Monloc name:	002S012W31D001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9600145
Longitude:	-118.186182	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	1400
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

C11
NNW **FED USGS** **USGS40000139379**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335811118110903		
Monloc name:	002S013W25H002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9697365
Longitude:	-118.1867377	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

C12
NNW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000139377**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335811118110901		
Monloc name:	002S013W25H003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9697365
Longitude:	-118.1867377	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	1129
Welldepth units:	ft	Wellholedepth:	1200
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

C13
NNW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000139378**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335811118110902		
Monloc name:	002S013W25H004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9697365
Longitude:	-118.1867377	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

14
NNW **CA WELLS 2944**
1/4 - 1/2 Mile
Higher

Water System Information:

Prime Station Code:	02S/13W-25H06 S	User ID:	4TH
FRDS Number:	1910159005	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Untreated
Source Lat/Long:	335810.0 1181115.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 06		
System Number:	1910159		
System Name:	TRACT 180 MUTUAL WATER CO.		
Organization That Operates System:			
	4544 E FLORENCE AVE. CUDAHY, CA 90201		
Pop Served:	14000	Connections:	957
Area Served:	CUDAHY		
Sample Collected:	20-MAY-13	Findings:	23.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	20-MAY-13	Findings:	620. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	20-MAY-13	Findings:	7.93
Chemical:	PH, LABORATORY		
Sample Collected:	20-MAY-13	Findings:	170. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	20-MAY-13	Findings:	200. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	20-MAY-13	Findings:	220. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	20-MAY-13	Findings:	64. MG/L
Chemical:	CALCIUM		
Sample Collected:	20-MAY-13	Findings:	14. MG/L
Chemical:	MAGNESIUM		

Sample Collected:	20-MAY-13	Findings:	48. MG/L
Chemical:	SODIUM		
Sample Collected:	20-MAY-13	Findings:	3.2 MG/L
Chemical:	POTASSIUM		
Sample Collected:	20-MAY-13	Findings:	46. MG/L
Chemical:	CHLORIDE		
Sample Collected:	20-MAY-13	Findings:	92. MG/L
Chemical:	SULFATE		
Sample Collected:	20-MAY-13	Findings:	0.29 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	20-MAY-13	Findings:	130. UG/L
Chemical:	BARIUM		
Sample Collected:	20-MAY-13	Findings:	28. UG/L
Chemical:	MANGANESE		
Sample Collected:	20-MAY-13	Findings:	0.7 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	20-MAY-13	Findings:	420. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	20-MAY-13	Findings:	6.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	20-MAY-13	Findings:	0.13 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	20-MAY-13	Findings:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	20-MAY-13	Findings:	1400. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	20-MAY-13	Findings:	15. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	20-MAY-13	Findings:	3.2 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	20-MAY-13	Findings:	1.66 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	20-MAY-13	Findings:	0.52 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	20-MAY-13	Findings:	2.08 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	20-MAY-13	Findings:	0.253 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	20-MAY-13	Findings:	0.673 PCI/L
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Sample Collected:	20-MAY-13	Findings:	0.422 PCI/L
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.		
Sample Collected:	20-MAY-13	Findings:	0.368 PCI/L
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		

Sample Collected:	18-JUN-13	Findings:	22.5 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12-JUL-13	Findings:	20.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12-JUL-13	Findings:	1.2 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	12-JUL-13	Findings:	3.1 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	15-JUL-13	Findings:	21.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	15-JUL-13	Findings:	2. UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	20-AUG-13	Findings:	20.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	20-AUG-13	Findings:	7.8
Chemical:	PH, LABORATORY		
Sample Collected:	20-AUG-13	Findings:	0.64 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	27-AUG-13	Findings:	23.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	03-SEP-13	Findings:	22.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	10-SEP-13	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	24-OCT-13	Findings:	19.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	24-OCT-13	Findings:	7.6
Chemical:	PH, LABORATORY		
Sample Collected:	24-OCT-13	Findings:	1.7 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	24-OCT-13	Findings:	1.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	24-OCT-13	Findings:	3.5 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	27-JAN-14	Findings:	1.7 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	27-JAN-14	Findings:	5.8 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	28-MAR-14	Findings:	7.77
Chemical:	PH, LABORATORY		
Sample Collected:	28-MAR-14	Findings:	0.13 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	15-APR-14	Findings:	2. UG/L
Chemical:	TETRACHLOROETHYLENE		

Sample Collected:	15-APR-14	Findings:	5.5 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	31-JUL-14	Findings:	8.03
Chemical:	PH, LABORATORY		
Sample Collected:	31-JUL-14	Findings:	1.5 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	31-JUL-14	Findings:	4.6 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	24-SEP-14	Findings:	2.3 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	24-SEP-14	Findings:	1.4 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	24-SEP-14	Findings:	6.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	15-DEC-14	Findings:	7.72
Chemical:	PH, LABORATORY		
Sample Collected:	15-DEC-14	Findings:	1.4 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	15-DEC-14	Findings:	4.3 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	28-JAN-15	Findings:	7.84
Chemical:	PH, LABORATORY		
Sample Collected:	28-JAN-15	Findings:	1.7 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	28-JAN-15	Findings:	0.18 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	28-JAN-15	Findings:	6. UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	30-APR-15	Findings:	8.04
Chemical:	PH, LABORATORY		
Sample Collected:	30-APR-15	Findings:	1.3 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	30-APR-15	Findings:	4.6 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	30-JUN-15	Findings:	1.2 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	07-AUG-15	Findings:	7.89
Chemical:	PH, LABORATORY		
Sample Collected:	07-AUG-15	Findings:	1.3 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	07-AUG-15	Findings:	0.91 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	07-AUG-15	Findings:	7.2 MG/L
Chemical:	NITRATE (AS NO3)		

Sample Collected:	07-AUG-15	Findings:	6.5 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	29-OCT-15	Findings:	1.9 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	29-OCT-15	Findings:	1.4 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	23-MAR-16	Findings:	7.89
Chemical:	PH, LABORATORY		
Sample Collected:	23-MAR-16	Findings:	1.8 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	23-MAR-16	Findings:	1.1 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	23-MAR-16	Findings:	0.35 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	23-MAR-16	Findings:	3.6 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	20-JUN-16	Findings:	700. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	20-JUN-16	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	20-JUN-16	Findings:	180. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	20-JUN-16	Findings:	220. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	20-JUN-16	Findings:	2.2 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	20-JUN-16	Findings:	240. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	20-JUN-16	Findings:	69. MG/L
Chemical:	CALCIUM		
Sample Collected:	20-JUN-16	Findings:	16. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	20-JUN-16	Findings:	51. MG/L
Chemical:	SODIUM		
Sample Collected:	20-JUN-16	Findings:	3.5 MG/L
Chemical:	POTASSIUM		
Sample Collected:	20-JUN-16	Findings:	55. MG/L
Chemical:	CHLORIDE		
Sample Collected:	20-JUN-16	Findings:	99. MG/L
Chemical:	SULFATE		
Sample Collected:	20-JUN-16	Findings:	0.28 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	20-JUN-16	Findings:	140. UG/L
Chemical:	BARIUM		

Sample Collected:	20-JUN-16	Findings:	2.1 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	20-JUN-16	Findings:	1.4 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	20-JUN-16	Findings:	450. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	20-JUN-16	Findings:	12.2
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	20-JUN-16	Findings:	4.2 UG/L
Chemical:	1,4-DIOXANE		
Sample Collected:	19-JUL-16	Findings:	8.09
Chemical:	PH, LABORATORY		
Sample Collected:	19-JUL-16	Findings:	1.6 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	19-JUL-16	Findings:	0.91 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	19-JUL-16	Findings:	5.1 UG/L
Chemical:	1,4-DIOXANE		

15
NE
1/4 - 1/2 Mile
Higher

Site ID:	I-11003
Groundwater Flow:	NE
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	25
Date:	10/03/1989

AQUIFLOW **34343**

16
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000139309**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335742118113301		
Monloc name:	002S013W25Q001S		
Monloc type:	Well		
Monloc desc:	LA WATER REPLENISHMENT DIST GPS LAT/LONG		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9618923
Longitude:	-118.1934434	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	124
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	1504
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

17
SE **CA WELLS** **2885**
1/2 - 1 Mile
Lower

Water System Information:

Prime Station Code:	02S/12W-31B03 S	User ID:	MET
FRDS Number:	1910011008	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Standby Raw
Source Lat/Long:	335727.0 1181038.8	Precision:	Undefined
Source Name:	HOFFMAN WELL 02 - STANDBY		
System Number:	1910011		
System Name:	SCWC - BELL, BELL GARDENS		
Organization That Operates System:			
	12035 Burke Street, #1 Santa Fe Springs, CA 90670		
Pop Served:	48500	Connections:	7004
Area Served:	BELL-BELL GARDENS		

18
SSW **CA WELLS** **2971**
1/2 - 1 Mile
Lower

Water System Information:

Prime Station Code:	02S/13W-36H01 S	User ID:	4TH
FRDS Number:	1900523002	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335719.0 1181112.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 02		
System Number:	1900523		
System Name:	WHITE FENCE FARMS MWC NO.3		
Organization That Operates System:			
	2606 NW. AVENUE N-8 PALMDALE, CA 93551		
Pop Served:	612	Connections:	204
Area Served:	Not Reported		
Sample Collected:	10-MAR-14	Findings:	25. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	10-MAR-14	Findings:	180. MG/L
Chemical:	SODIUM		
Sample Collected:	10-MAR-14	Findings:	4. MG/L
Chemical:	POTASSIUM		

Sample Collected:	10-MAR-14	Findings:	140. MG/L
Chemical:	CHLORIDE		
Sample Collected:	10-MAR-14	Findings:	360. MG/L
Chemical:	SULFATE		
Sample Collected:	10-MAR-14	Findings:	0.17 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	10-MAR-14	Findings:	2900. UG/L
Chemical:	IRON		
Sample Collected:	10-MAR-14	Findings:	41. UG/L
Chemical:	MANGANESE		
Sample Collected:	10-MAR-14	Findings:	1200. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10-MAR-14	Findings:	67. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08-APR-14	Findings:	1.2 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	08-APR-14	Findings:	220. UG/L
Chemical:	IRON		
Sample Collected:	08-APR-14	Findings:	68. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	13-MAY-14	Findings:	64. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	15-JUL-14	Findings:	720. UG/L
Chemical:	IRON		
Sample Collected:	15-JUL-14	Findings:	1100. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	15-JUL-14	Findings:	71. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	22-JUL-14	Findings:	510. UG/L
Chemical:	IRON		
Sample Collected:	22-JUL-14	Findings:	72. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12-AUG-14	Findings:	70. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02-SEP-14	Findings:	1100. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02-SEP-14	Findings:	74. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	18-NOV-14	Findings:	71. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	27-JAN-15	Findings:	230. UG/L
Chemical:	IRON		
Sample Collected:	27-JAN-15	Findings:	1100. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

Sample Collected:	27-JAN-15	Findings:	73. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	17-FEB-15	Findings:	1000. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	17-FEB-15	Findings:	73. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	31-MAR-15	Findings:	1100. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	31-MAR-15	Findings:	74. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02-JUN-15	Findings:	75. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-SEP-15	Findings:	76. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-DEC-15	Findings:	17. MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	01-DEC-15	Findings:	650. UG/L
Chemical:	IRON		
Sample Collected:	01-DEC-15	Findings:	5.5 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01-DEC-15	Findings:	4.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01-DEC-15	Findings:	1.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	01-DEC-15	Findings:	77. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-DEC-15	Findings:	0.63 PCI/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	01-DEC-15	Findings:	4.1 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	01-DEC-15	Findings:	0.88 PCI/L
Chemical:	URANIUM MDA95		
Sample Collected:	15-MAR-16	Findings:	1500. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	15-MAR-16	Findings:	7.6
Chemical:	PH, LABORATORY		
Sample Collected:	15-MAR-16	Findings:	210. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	15-MAR-16	Findings:	250. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	15-MAR-16	Findings:	18. MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	15-MAR-16	Findings:	110. MG/L
Chemical:	CALCIUM		

Sample Collected:	15-MAR-16	Findings:	24. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	15-MAR-16	Findings:	190. MG/L
Chemical:	SODIUM		
Sample Collected:	15-MAR-16	Findings:	140. MG/L
Chemical:	CHLORIDE		
Sample Collected:	15-MAR-16	Findings:	340. MG/L
Chemical:	SULFATE		
Sample Collected:	15-MAR-16	Findings:	0.12 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	15-MAR-16	Findings:	420. UG/L
Chemical:	IRON		
Sample Collected:	15-MAR-16	Findings:	4.4 UG/L
Chemical:	VANADIUM		
Sample Collected:	15-MAR-16	Findings:	1000. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	15-MAR-16	Findings:	1.5 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	15-MAR-16	Findings:	18. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	07-JUN-16	Findings:	200. UG/L
Chemical:	IRON		
Sample Collected:	14-JUN-16	Findings:	18. MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	14-JUN-16	Findings:	190. UG/L
Chemical:	IRON		
Sample Collected:	13-SEP-16	Findings:	18. MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	13-SEP-16	Findings:	250. UG/L
Chemical:	IRON		
Sample Collected:	17-MAY-11	Findings:	56. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09-AUG-11	Findings:	60. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-NOV-11	Findings:	60. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	21-FEB-12	Findings:	68. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	15-MAY-12	Findings:	61. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	21-AUG-12	Findings:	58. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-SEP-12	Findings:	2.4 PCI/L
Chemical:	URANIUM (PCI/L)		

Sample Collected:	04-SEP-12	Findings:	0.68 PCI/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	04-SEP-12	Findings:	0.88 PCI/L
Chemical:	URANIUM MDA95		
Sample Collected:	18-DEC-12	Findings:	63. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	19-FEB-13	Findings:	60. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12-APR-13	Findings:	12.5 UNITS
Chemical:	COLOR		
Sample Collected:	12-APR-13	Findings:	1600. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	12-APR-13	Findings:	7.4
Chemical:	PH, LABORATORY		
Sample Collected:	12-APR-13	Findings:	230. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	12-APR-13	Findings:	280. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	12-APR-13	Findings:	410. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	12-APR-13	Findings:	120. MG/L
Chemical:	CALCIUM		
Sample Collected:	12-APR-13	Findings:	27. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	12-APR-13	Findings:	190. MG/L
Chemical:	SODIUM		
Sample Collected:	12-APR-13	Findings:	4.8 MG/L
Chemical:	POTASSIUM		
Sample Collected:	12-APR-13	Findings:	140. MG/L
Chemical:	CHLORIDE		
Sample Collected:	12-APR-13	Findings:	370. MG/L
Chemical:	SULFATE		
Sample Collected:	12-APR-13	Findings:	0.18 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	12-APR-13	Findings:	720. UG/L
Chemical:	IRON		
Sample Collected:	12-APR-13	Findings:	4.1 UG/L
Chemical:	VANADIUM		
Sample Collected:	12-APR-13	Findings:	0.15 MG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	12-APR-13	Findings:	1100. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12-APR-13	Findings:	66. MG/L
Chemical:	NITRATE (AS NO3)		

Sample Collected:	12-APR-13	Findings:	4.9 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12-APR-13	Findings:	15000. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	21-MAY-13	Findings:	63. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	20-AUG-13	Findings:	65. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01-OCT-13	Findings:	1500. UG/L
Chemical:	IRON		
Sample Collected:	19-NOV-13	Findings:	67. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11-FEB-14	Findings:	2700. UG/L
Chemical:	IRON		
Sample Collected:	11-FEB-14	Findings:	38. UG/L
Chemical:	MANGANESE		
Sample Collected:	11-FEB-14	Findings:	69. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10-MAR-14	Findings:	1600. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	10-MAR-14	Findings:	7.4
Chemical:	PH, LABORATORY		
Sample Collected:	10-MAR-14	Findings:	230. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	10-MAR-14	Findings:	280. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	10-MAR-14	Findings:	390. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	10-MAR-14	Findings:	120. MG/L
Chemical:	CALCIUM		

19
NW
1/2 - 1 Mile
Higher

Site ID:	R-23039
Groundwater Flow:	SW
Shallow Water Depth:	28
Deep Water Depth:	30
Average Water Depth:	Not Reported
Date:	09/26/1997

AQUIFLOW **34344**

20
ENE
1/2 - 1 Mile
Lower

CA WELLS **2884**

Water System Information:

Prime Station Code:	02S/12W-30H02 S	User ID:	MET
FRDS Number:	1910011002	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335814.4 1181016.8	Precision:	100 Feet (one Second)
Source Name:	CHANSLOR WELL		

System Number: 1910011
System Name: SCWC - BELL, BELL GARDENS
Organization That Operates System:
12035 Burke Street, #1
Santa Fe Springs, CA 90670
Pop Served: 48500 Connections: 7004
Area Served: BELL-BELL GARDENS

21
SSE **FED USGS** **USGS40000139234**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335710118105101		
Monloc name:	002S012W31M002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9527923
Longitude:	-118.1817373	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	600
Welldepth units:	ft	Wellholedepth:	883
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

22
NNE **CA WELLS** **2840**
1/2 - 1 Mile
Higher

Water System Information:

Prime Station Code:	02S/12W-19P04 S	User ID:	19C
FRDS Number:	1900562001	County:	Los Angeles
District Number:	49	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335835.0 1181040.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	1900562		
System Name:	BELL TRAILER CITY		
Organization That Operates System:			
	4874 E. GAGE AVE		
	BELL, CA		
Pop Served:	500	Connections:	172
Area Served:	Not Reported		

Map ID / Direction / Distance / Elevation		Database	EDR ID Number
23 **ENE** **1/2 - 1 Mile** **Lower**		**FED USGS**	**USGS40000139380**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335812118100901		
Monloc name:	002S012W30H002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9700142
Longitude:	-118.1700705	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	425
Welldepth units:	ft	Wellholedepth:	514
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

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24 **WNW** **1/2 - 1 Mile** **Higher**	Site ID:	I-10924	**AQUIFLOW**	**34339**
	Groundwater Flow:	SW		
	Shallow Water Depth:	137		
	Deep Water Depth:	149		
	Average Water Depth:	Not Reported		
	Date:	05/16/1988		

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25 **SE** **1/2 - 1 Mile** **Lower**		**CA WELLS**	**CADW60000018795**

Objectid:	18795
Latitude:	33.9553
Longitude:	-118.172
Site code:	339553N1181720W001
State well numbe:	02S12W31H002S
Local well name:	’’
Well use id:	6
Well use descrip:	Unknown
County id:	19
County name:	Los Angeles

Basin code: '4-11.04'
Basin desc: Central
Dwr region id: 80238
Dwr region: Southern Region Office
Site id: CADW60000018795

26
NNW
1/2 - 1 Mile
Higher

CA WELLS **2936**

Water System Information:

Prime Station Code:	02S/13W-24Q03 S	User ID:	MET
FRDS Number:	1910011010	County:	Los Angeles
District Number:	15	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335838.2 1181132.4	Precision:	100 Feet (one Second)
Source Name:	OTIS WELL 02		
System Number:	1910011		
System Name:	SCWC - BELL, BELL GARDENS		
Organization That Operates System:			
	12035 Burke Street, #1		
	Santa Fe Springs, CA 90670		
Pop Served:	48500	Connections:	7004
Area Served:	BELL-BELL GARDENS		

1G
WNW
1/2 - 1 Mile
Lower

AQUIFLOW **34339**

Site ID:	I-10924
Groundwater Flow:	SW
Shallow Water Depth:	137
Deep Water Depth:	149
Average Water Depth:	Not Reported
Date:	05/16/1988

2G
NW
1/2 - 1 Mile
Lower

AQUIFLOW **34344**

Site ID:	R-23039
Groundwater Flow:	SW
Shallow Water Depth:	28
Deep Water Depth:	30
Average Water Depth:	Not Reported
Date:	09/26/1997

3G
NE
1/4 - 1/2 Mile
Lower

AQUIFLOW **34343**

Site ID:	I-11003
Groundwater Flow:	NE
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	25
Date:	10/03/1989

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
NNE **OIL_GAS** **CAOG11000204608**
1/4 - 1/2 Mile

District nun:	1	Api number:	03705336
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Cudahay Community Oil Association		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	30
Township:	02S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000204608		

2
NNE **OIL_GAS** **CAOG11000305945**
1/4 - 1/2 Mile

District nun:	1	Api number:	03705888
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Shell Western Exploration & Production Inc.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	30
Township:	02S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Loomis	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000305945		

3
SSE **OIL_GAS** **CAOG11000204880**
1/4 - 1/2 Mile

District nun:	1	Api number:	03705731
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oakes & Mead		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	31
Township:	02S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Graham	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000204880		

4
SSE **OIL_GAS** **CAOG11000213965**
1/2 - 1 Mile

District nun:	1	Api number:	03720012
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	31
Township:	02S	Range:	12W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Wickes	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	PDH
Site id:	CAOG11000213965		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90201	3	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 90201

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.700 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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LAUSD
4811 Elizabeth St.
Cudahy, CA 90201

Inquiry Number: 5028286.12
August 22, 2017

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

08/22/17

Site Name:

LAUSD
4811 Elizabeth St.
Cudahy, CA 90201
EDR Inquiry # 5028286.12

Client Name:

APTIM
18100 Von Karman Avenue
Irvine, CA 92612
Contact: Doug Hulmes

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Search Results:

Year	Scale	Details	Source
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Flight Date: June 10, 2002	USDA
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1983	1"=500'	Flight Date: November 19, 1983	EDR Proprietary Brewster Pacific
1979	1"=500'	Flight Date: May 11, 1979	EDR Proprietary Brewster Pacific
1977	1"=500'	Flight Date: May 29, 1977	EDR Proprietary Brewster Pacific
1963	1"=500'	Flight Date: February 28, 1963	USGS
1954	1"=500'	Flight Date: August 31, 1954	USDA
1947	1"=500'	Flight Date: June 18, 1947	USGS
1938	1"=500'	Flight Date: May 22, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	USGS
1923	1"=500'	Flight Date: January 01, 1923	FAIR

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INQUIRY #: 5028286.12
YEAR: 2012
= 500'
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EDR


INQUIRY #: 5028286.12
YEAR: 2010
= 500'
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EDR


INQUIRY #: 5028286.12
YEAR: 2009
= 500'
N
EDR



INQUIRY #: 5028286.12

YEAR: 2005

= 500'

N

EDR


INQUIRY #: 5028286.12
YEAR: 2002
= 500'
N
EDR



INQUIRY #: 5028286.12

YEAR: 1994

= 500'

N

EDR



INQUIRY #: 5028286.12

YEAR: 1989

= 500'

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EDR



INQUIRY #: 5028286.12

YEAR: 1983

= 500'

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EDR


INQUIRY #: 5028286.12
YEAR: 1979
= 500'
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EDR


INQUIRY #: 5028286.12
YEAR: 1977
= 500'
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EDR



INQUIRY #: 5028286.12

YEAR: 1963

= 500'

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EDR


INQUIRY #: 5028286.12
YEAR: 1954
= 500'
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EDR



INQUIRY #: 5028286.12

YEAR: 1947

= 500'

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EDR



INQUIRY #: 5028286.12

YEAR: 1938

= 500'

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EDR


INQUIRY #: 5028286.12
YEAR: 1928
= 500'
N
EDR



INQUIRY #: 5028286.12

YEAR: 1923

= 500'

N

EDR

LAUSD
4811 Elizabeth St.
Cudahy, CA 90201

Inquiry Number: 5028286.3
August 22, 2017

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

08/22/17

Site Name:

LAUSD
4811 Elizabeth St.
Cudahy, CA 90201
EDR Inquiry # 5028286.3

Client Name:

APTIM
18100 Von Karman Avenue
Irvine, CA 92612
Contact: Doug Hulmes

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Certified Sanborn Results:

Certification # 1234-4207-A707

PO # 631229589

Project 631229589

Maps Provided:

1966
1950
1929

Sanborn® Library search results

Certification #: 1234-4207-A707

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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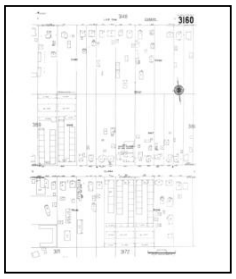
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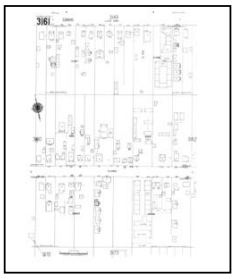
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

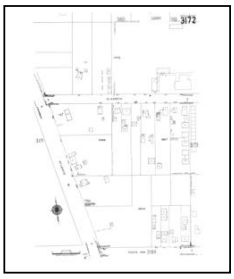
1966 Source Sheets



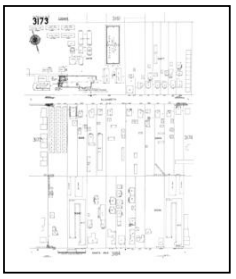
Volume 31, Sheet 3160
1966



Volume 31, Sheet 3161
1966

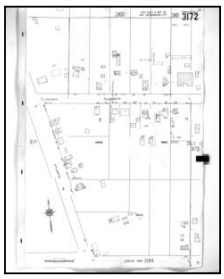


Volume 31, Sheet 3172
1966

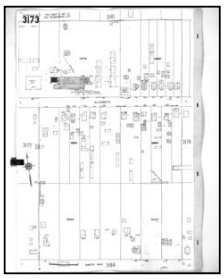


Volume 31, Sheet 3173
1966

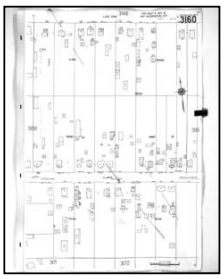
1950 Source Sheets



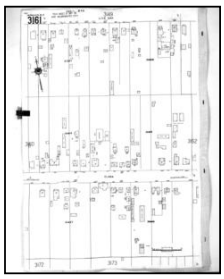
Volume 31, Sheet 3172
1950



Volume 31, Sheet 3173
1950



Volume 31, Sheet 3160
1950

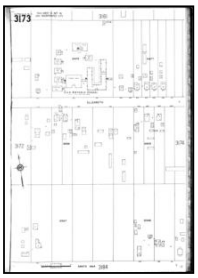


Volume 31, Sheet 3161
1950

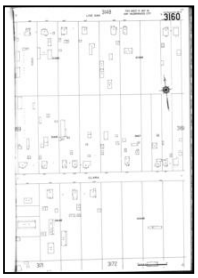
1929 Source Sheets



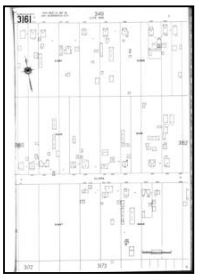
Volume 31, Sheet 3172
1929



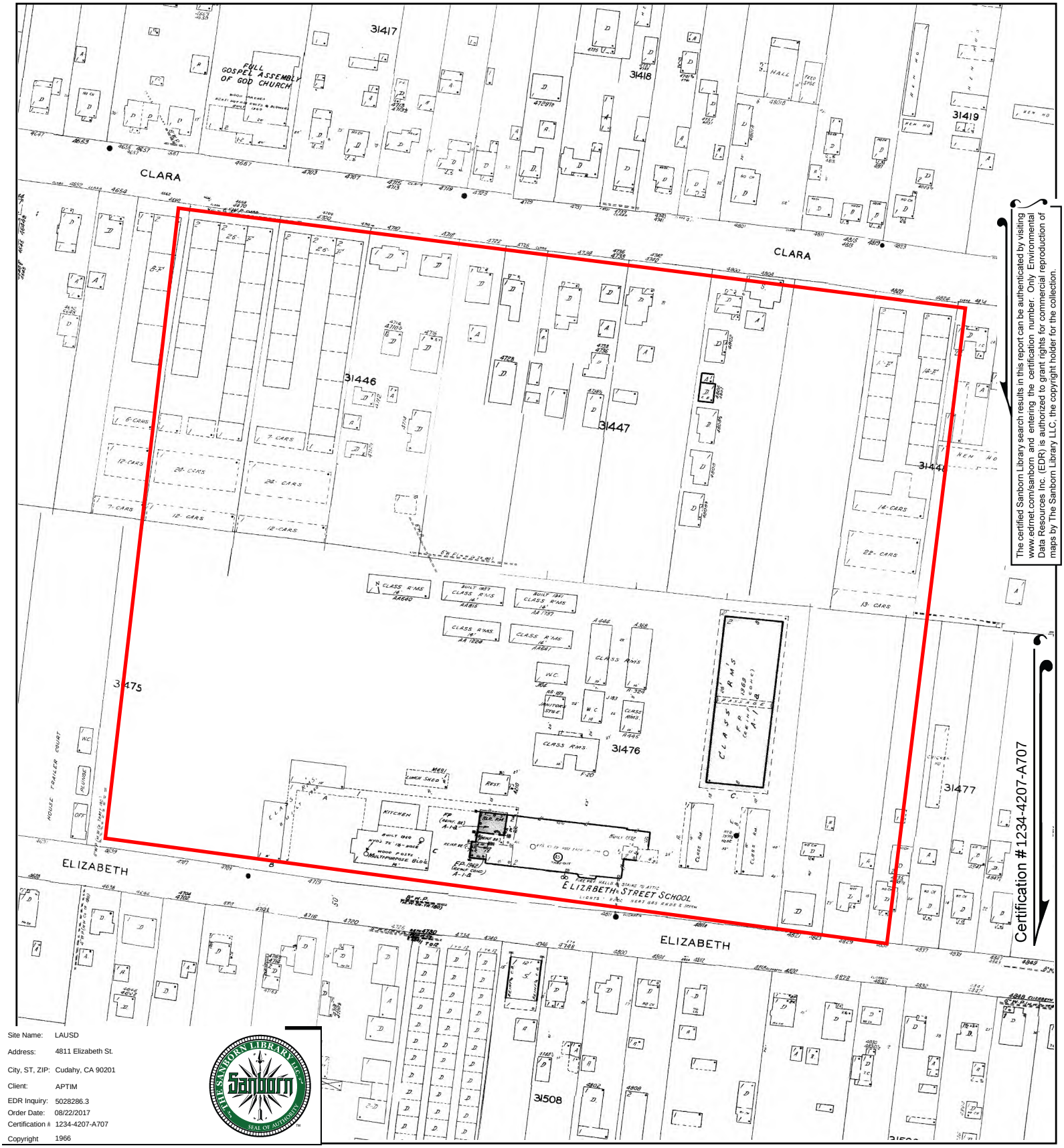
Volume 31, Sheet 3173
1929



Volume 31, Sheet 3160
1929



Volume 31, Sheet 3161
1929



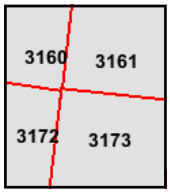
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Site Name:	LAUSD
Address:	4811 Elizabeth St.
City, ST, ZIP:	Cudahy, CA 90201
Client:	APTIM
EDR Inquiry:	5028286.3
Order Date:	08/22/2017
Certification #:	1234-4207-A707
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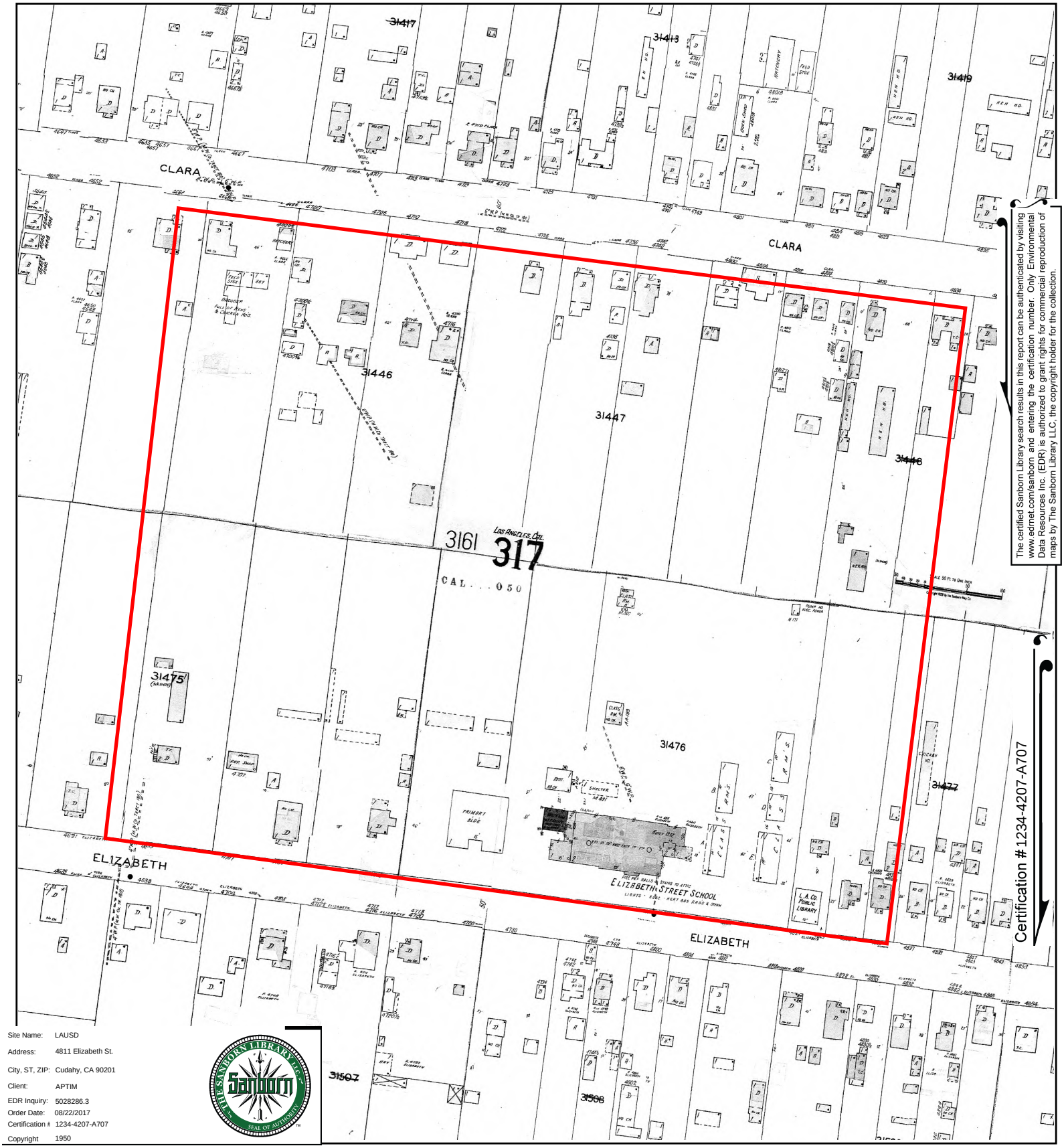
Volume 31, Sheet 3173
Volume 31, Sheet 3172
Volume 31, Sheet 3161
Volume 31, Sheet 3160

0 Feet 150 300 600

N

Certified Sanborn® Map

1950



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Client:	APTIM
EDR Inquiry:	5028286.3
Order Date:	08/22/2017
Certification #:	1234-4207-A707
Copyright	1950

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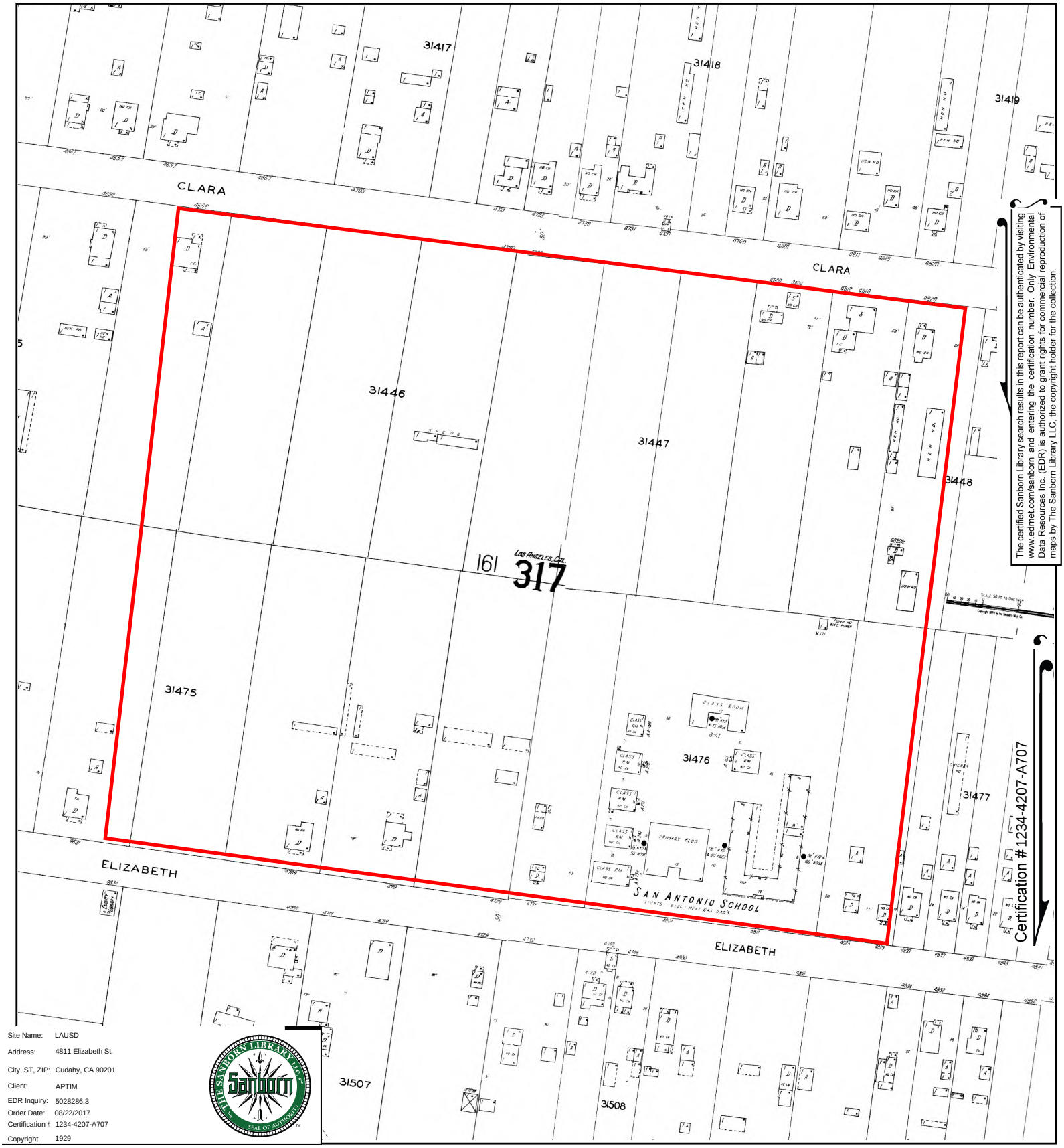




Volume 31, Sheet 3161
Volume 31, Sheet 3160
Volume 31, Sheet 3173
Volume 31, Sheet 3172

0 Feet 150 300 600

N



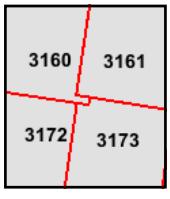
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Certification #1234-4207-A707

Site Name:	LAUSD
Address:	4811 Elizabeth St.
City, ST, ZIP:	Cudahy, CA 90201
Client:	APTIM
EDR Inquiry:	5028286.3
Order Date:	08/22/2017
Certification #:	1234-4207-A707
Copyright	1929

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Outlined areas indicate map sheets within the collection.





Volume 31, Sheet 3161
Volume 31, Sheet 3160
Volume 31, Sheet 3173
Volume 31, Sheet 3172

0 Feet 150 300 600

N

LAUSD

4811 Elizabeth St.

Cudahy, CA 90201

Inquiry Number: 5028286.4

August 21, 2017

EDR Historical Topo Map Report

with QuadMatch™

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

EDR Historical Topo Map Report

08/21/17

Site Name:	Client Name:
LAUSD	APTIM
4811 Elizabeth St.	18100 Von Karman Avenue
Cudahy, CA 90201	Irvine, CA 92612
EDR Inquiry # 5028286.4	Contact: Doug Hulmes

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Search Results:

P.O.# 631229589

Project: 631229589

Coordinates:

Latitude:	33.96473 33° 57' 53" North
Longitude:	-118.184663 -118° 11' 5" West
UTM Zone:	Zone 11 North
UTM X Meters:	390550.79
UTM Y Meters:	3758877.52
Elevation:	128.00' above sea level

Maps Provided:

2012	1942
1981	1936, 1937
1972	1924, 1925
1964	1923
1952	1902
1949	1899
1947	1896
1943	

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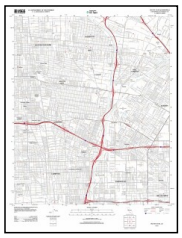
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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



South Gate
2012
7.5-minute, 24000

1981 Source Sheets



South Gate
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1972 Source Sheets



South Gate
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1964 Source Sheets



South Gate
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1952 Source Sheets



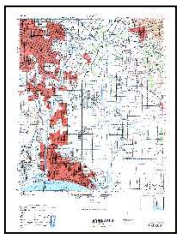
SOUTH GATE
1952
7.5-minute, 24000

1949 Source Sheets



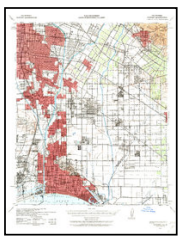
South Gate
1949
7.5-minute, 24000
Aerial Photo Revised 1947

1947 Source Sheets



DOWNEY
1947
15-minute, 50000

1943 Source Sheets



Downey
1943
15-minute, 62500
Aerial Photo Revised 1939

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1942 Source Sheets



Downey
1942
15-minute, 62500

1936, 1937 Source Sheets



Bell
1936
7.5-minute, 24000



Watts
1937
7.5-minute, 24000

1924, 1925 Source Sheets



Watts
1924
7.5-minute, 24000



Bell
1925
7.5-minute, 24000

1923 Source Sheets



Bell
1923
7.5-minute, 24000



Watts
1923
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1902 Source Sheets



Downey
1902
15-minute, 62500

1899 Source Sheets



Downey
1899
15-minute, 62500

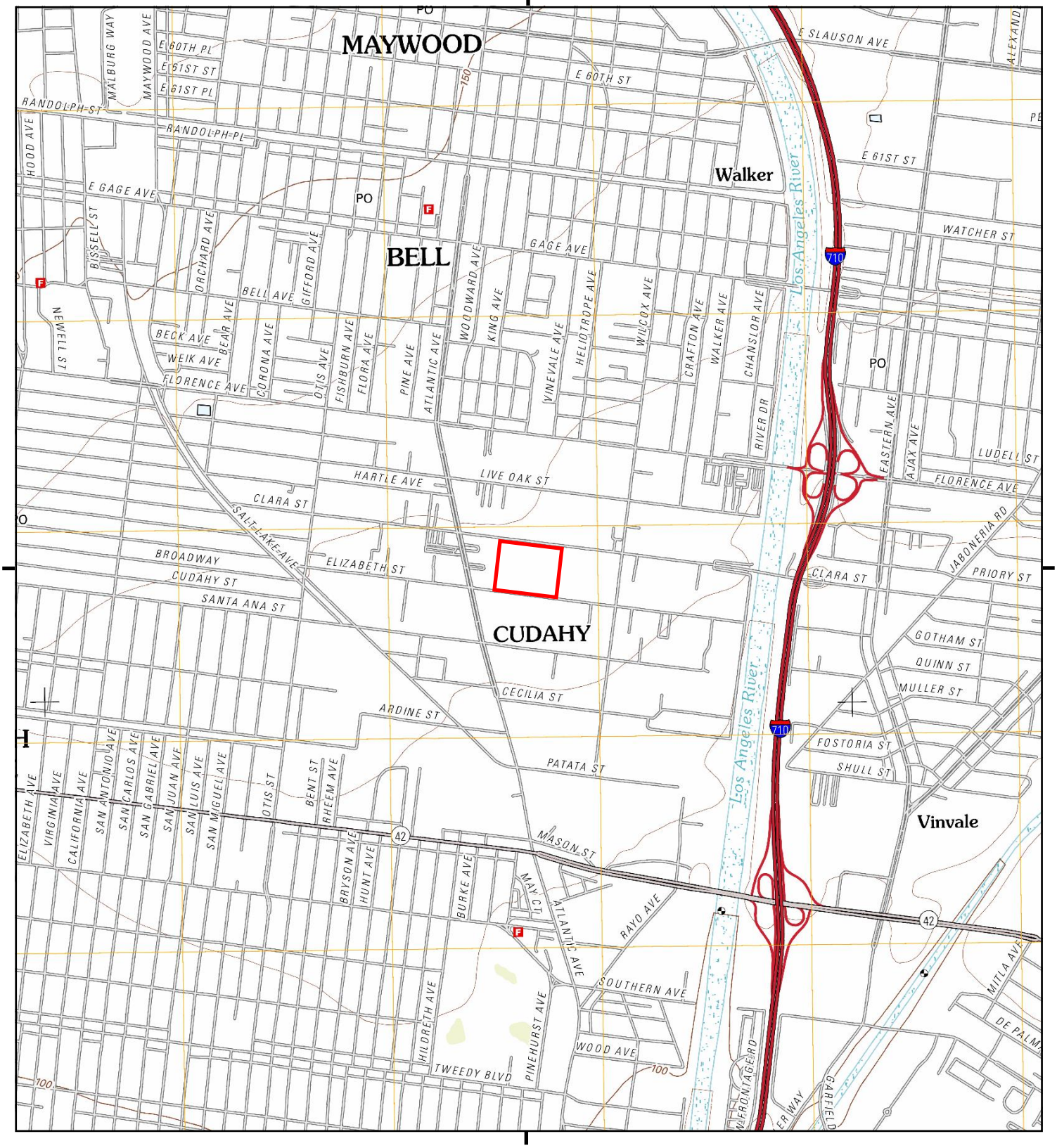
1896 Source Sheets



Downey
1896
15-minute, 62500

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

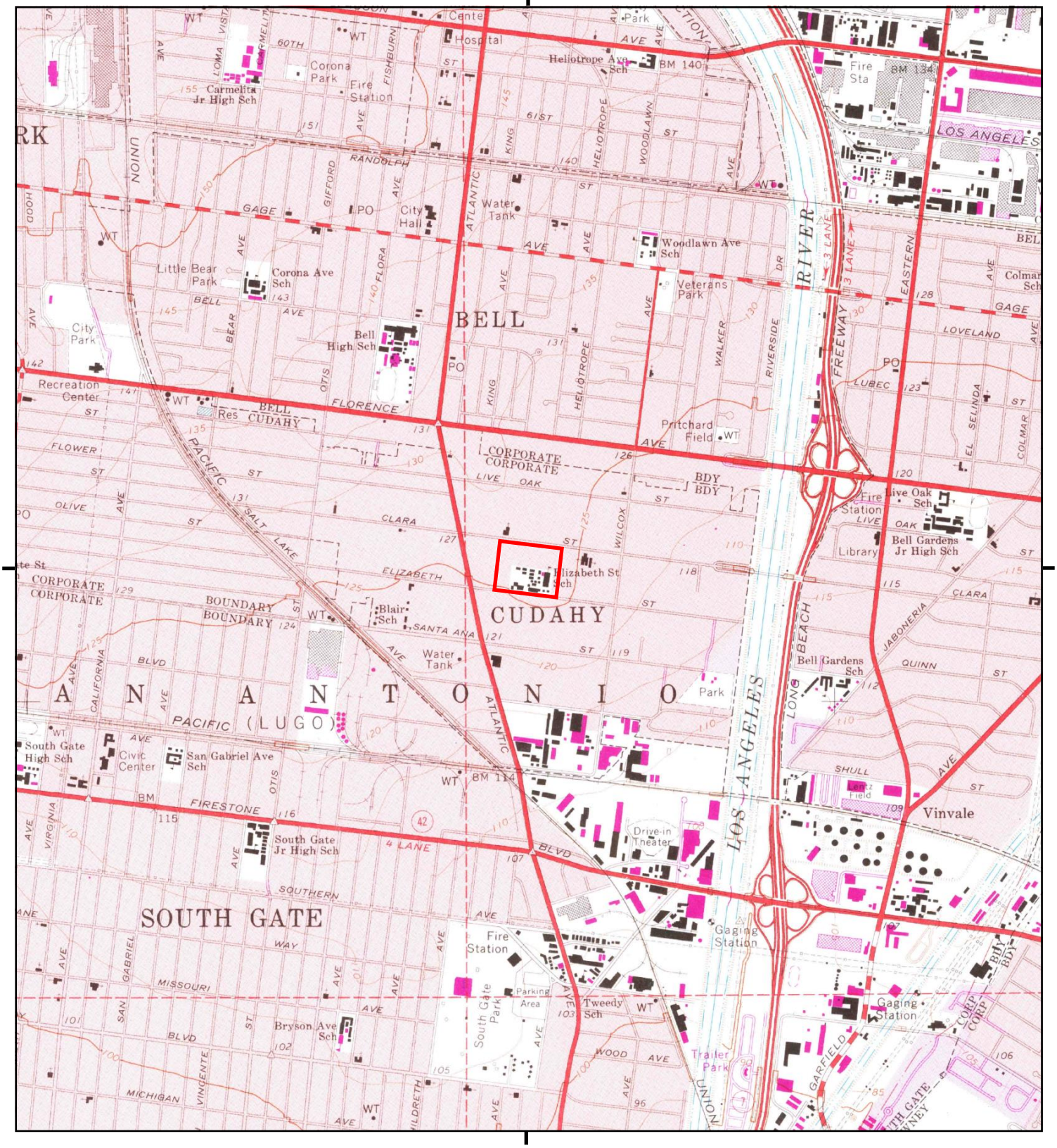
TP, South Gate, 2012, 7.5-minute

SITE NAME: LAUSD
ADDRESS: 4811 Elizabeth St.
Cudahy, CA 90201
CLIENT: APTIM

N

Historical Topo Map

1981



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

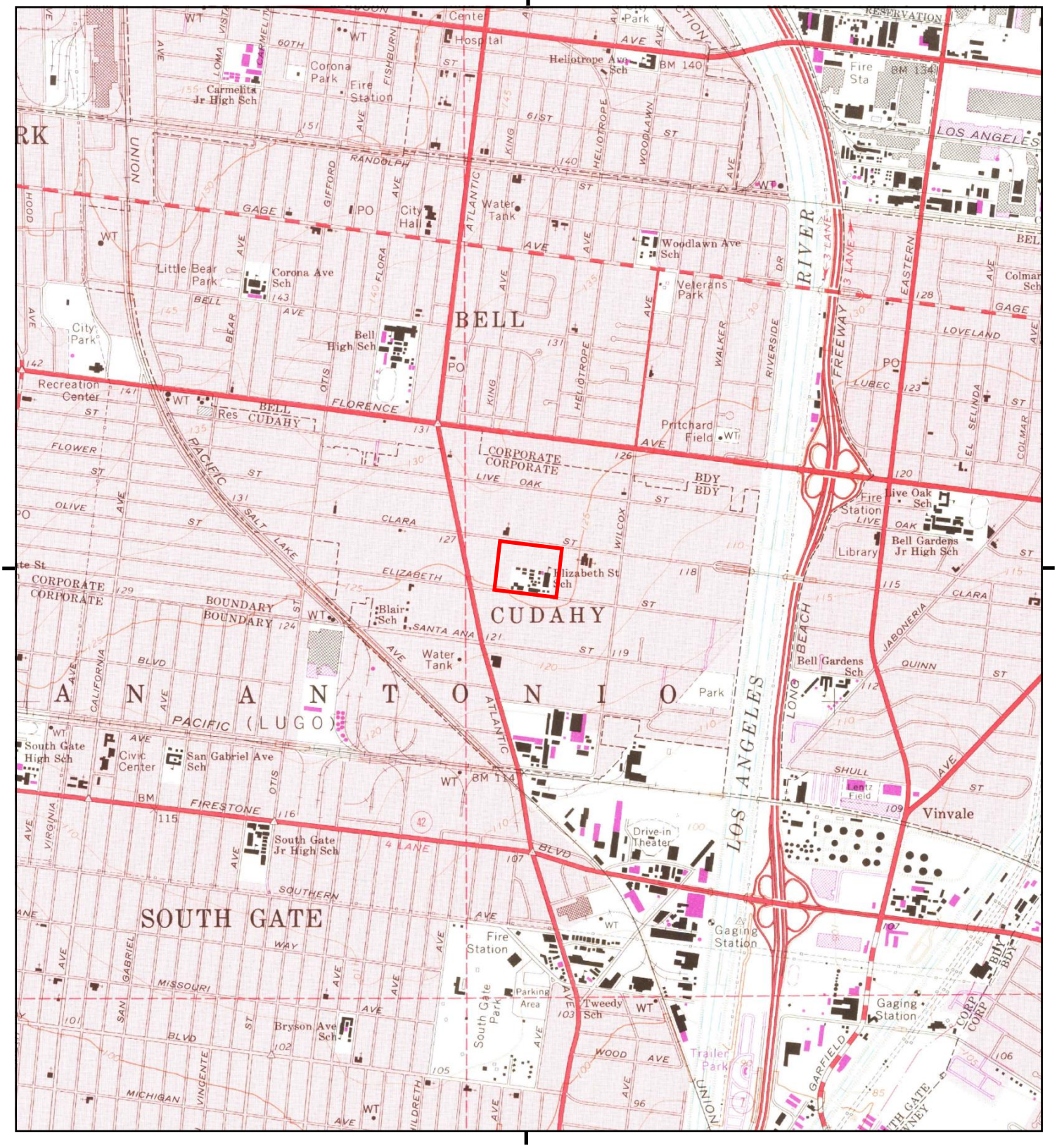
TP, South Gate, 1981, 7.5-minute

SITE NAME: LAUSD
ADDRESS: 4811 Elizabeth St.
Cudahy, CA 90201
CLIENT: APTIM

N

Historical Topo Map

1972



This report includes information from the following map sheet(s).

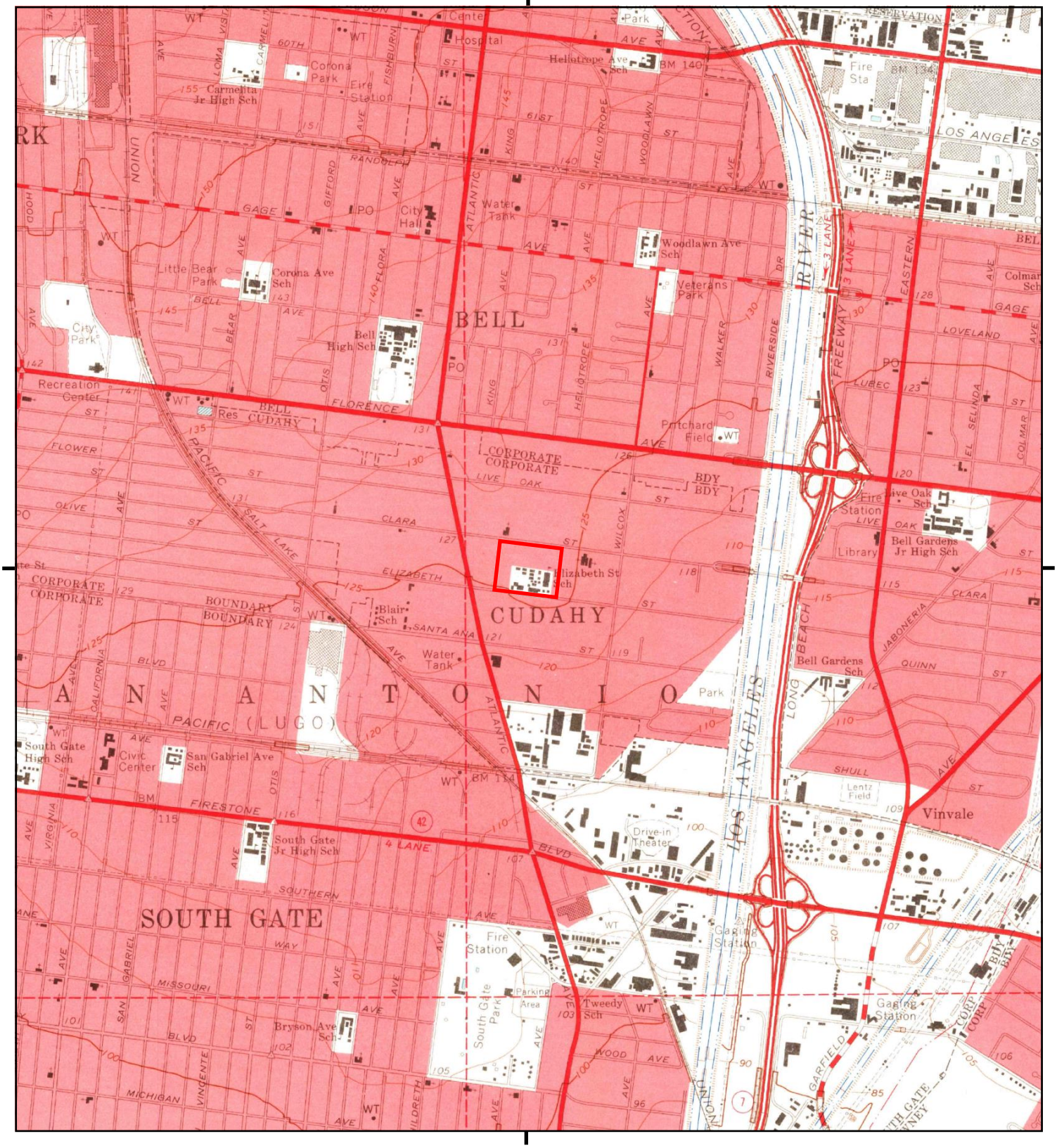
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, South Gate, 1972, 7.5-minute

SITE NAME: LAUSD
ADDRESS: 4811 Elizabeth St.
Cudahy, CA 90201
CLIENT: APTIM

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

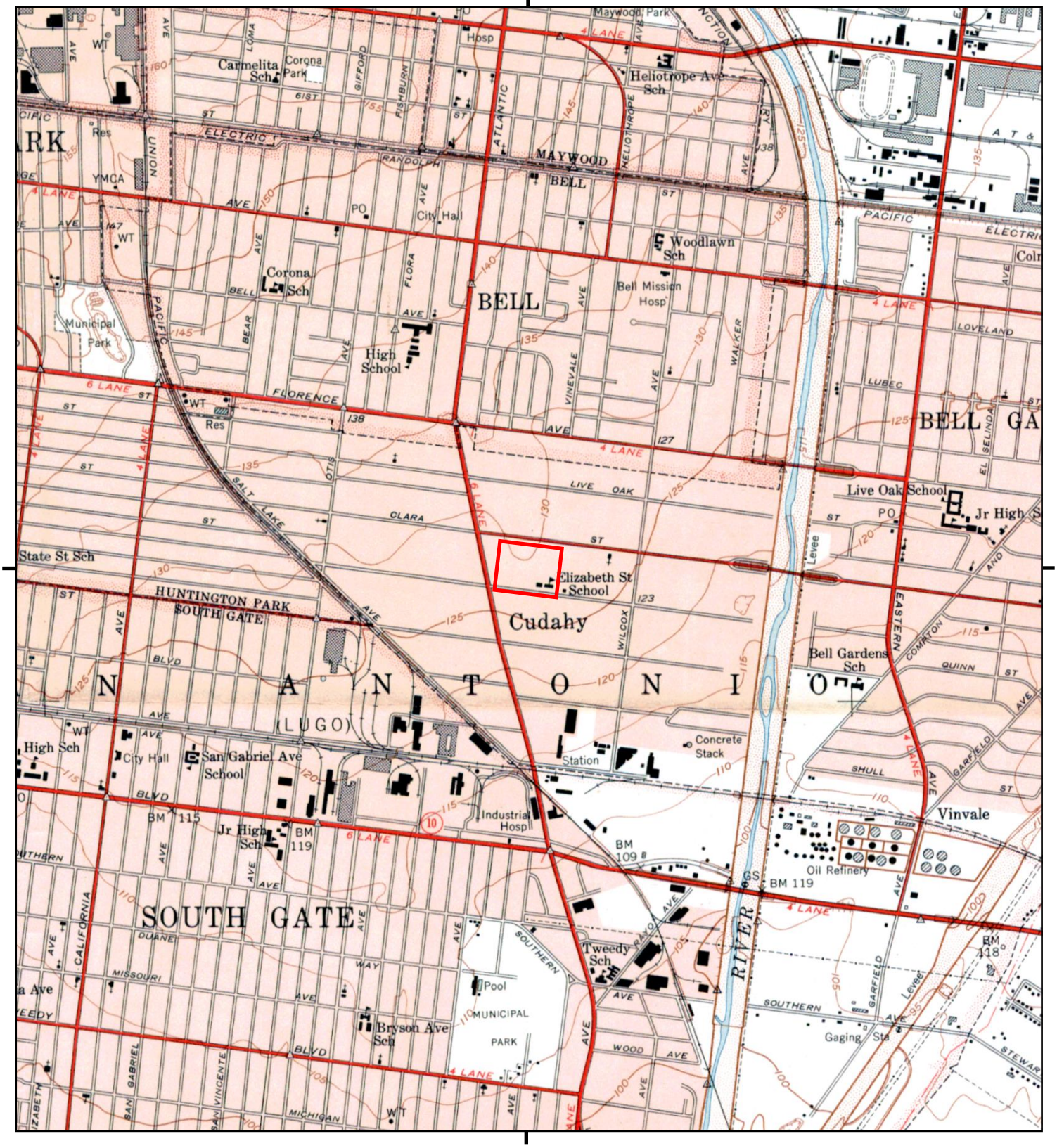
TP, South Gate, 1964, 7.5-minute

SITE NAME: LAUSD
ADDRESS: 4811 Elizabeth St.
Cudahy, CA 90201
CLIENT: APTIM

N

Historical Topo Map

1952



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

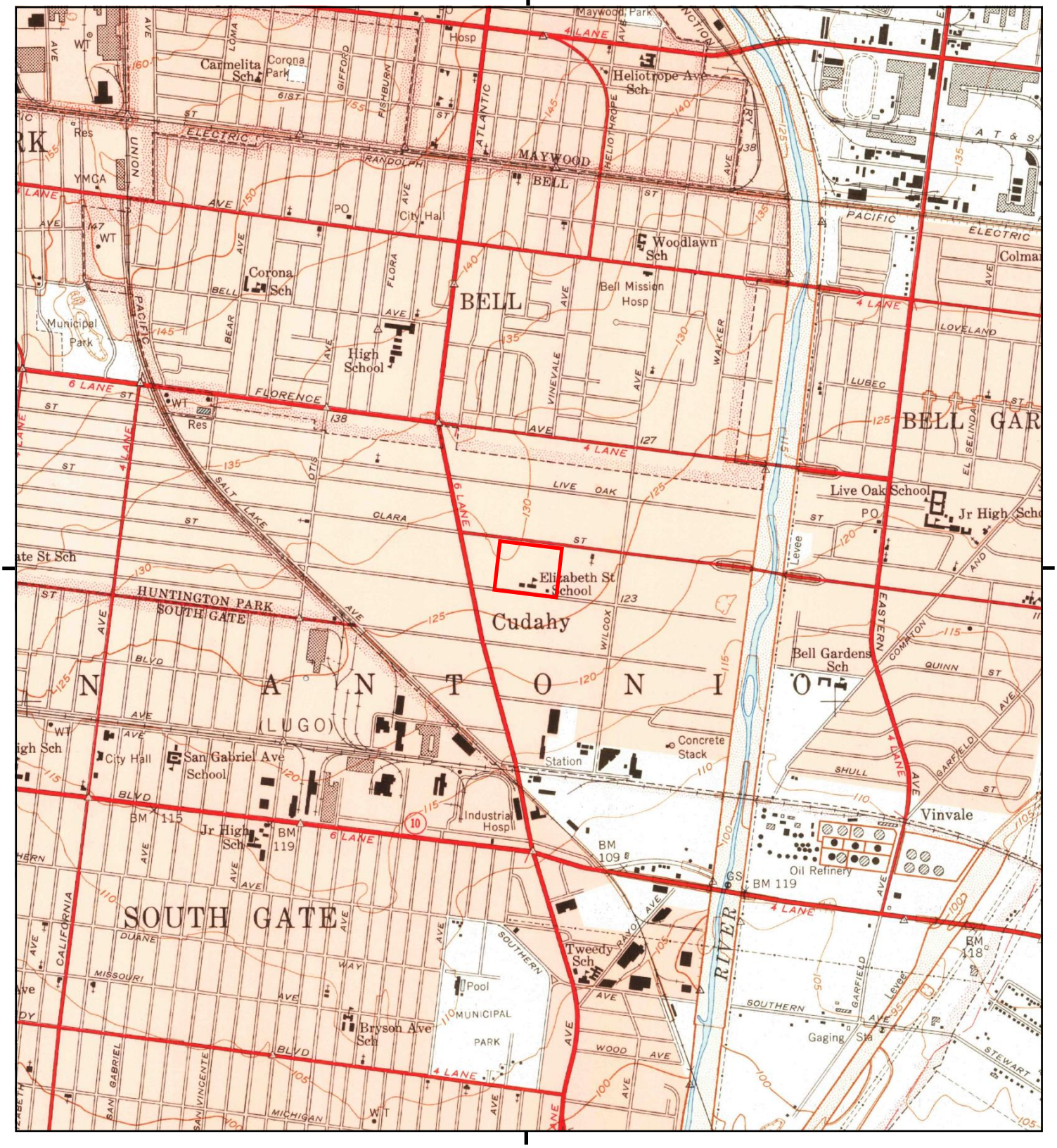
TP, SOUTH GATE, 1952, 7.5-minute

SITE NAME: LAUSD
ADDRESS: 4811 Elizabeth St.
Cudahy, CA 90201
CLIENT: APTIM

N

Historical Topo Map

1949



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

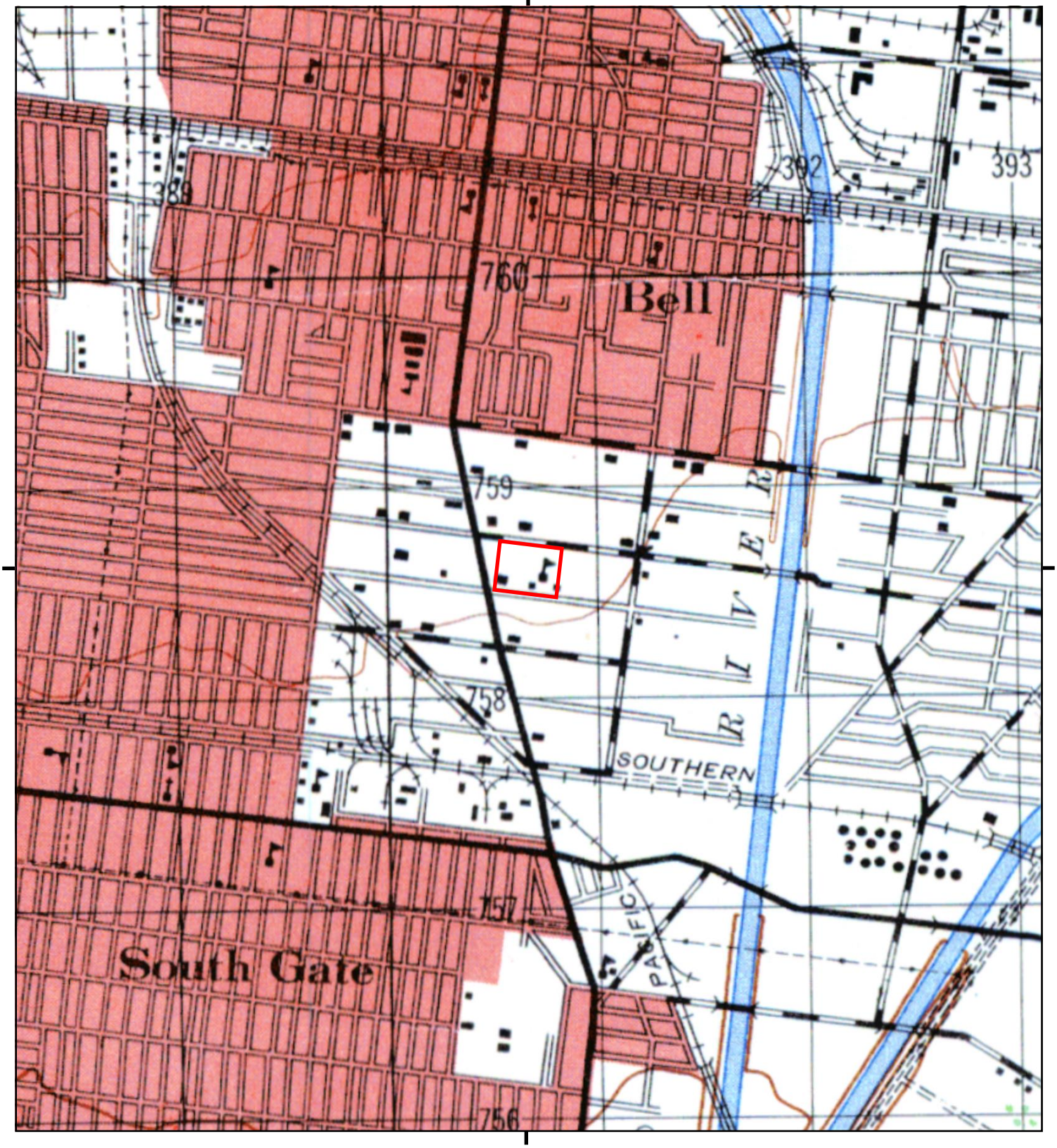
TP, South Gate, 1949, 7.5-minute

SITE NAME: LAUSD
ADDRESS: 4811 Elizabeth St.
Cudahy, CA 90201
CLIENT: APTIM

N

Historical Topo Map

1947



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

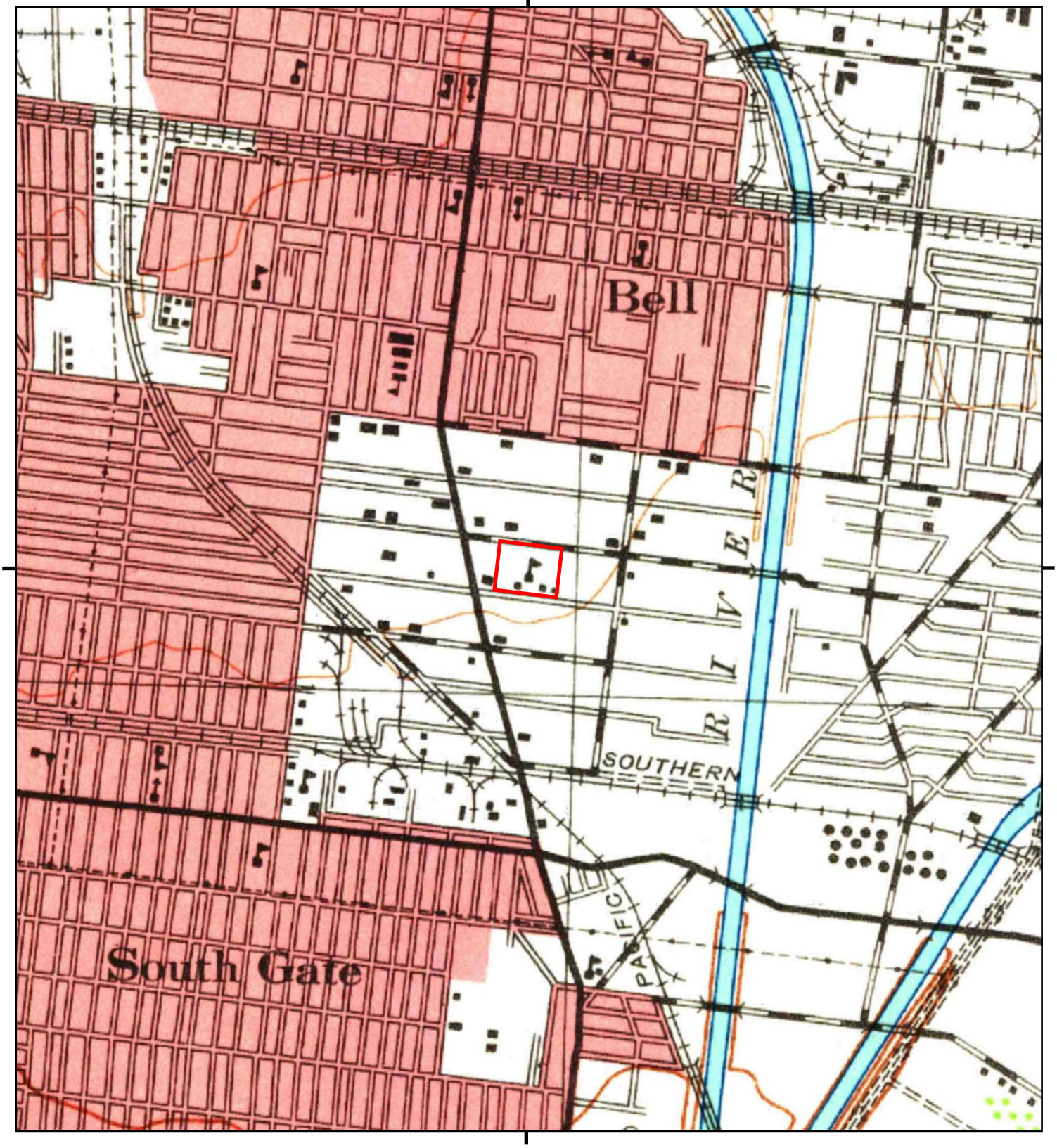
TP, DOWNEY, 1947, 15-minute

SITE NAME: LAUSD
ADDRESS: 4811 Elizabeth St.
Cudahy, CA 90201
CLIENT: APTIM

N

Historical Topo Map

1943



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

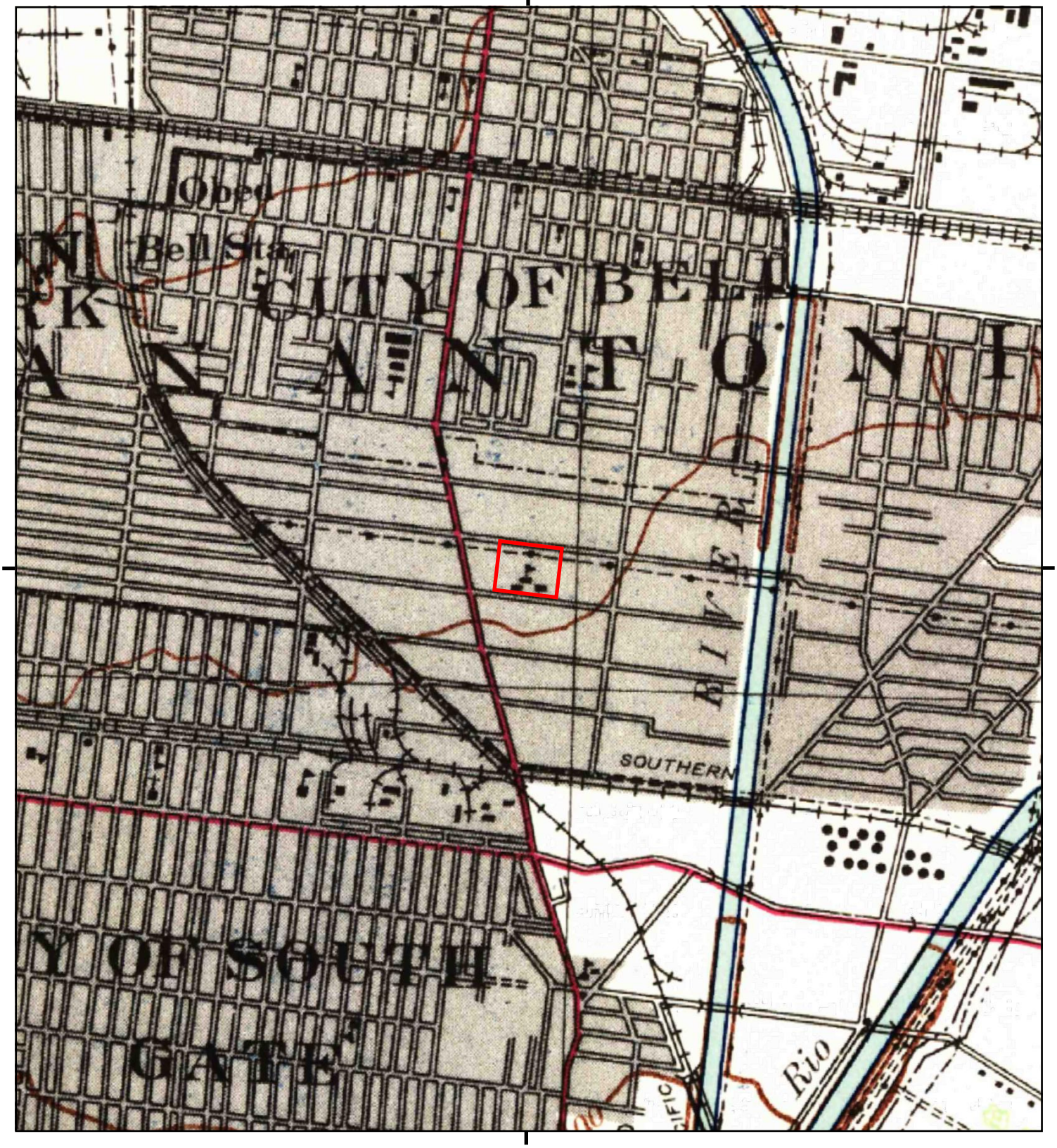
TP, Downey, 1943, 15-minute

SITE NAME: LAUSD
ADDRESS: 4811 Elizabeth St.
Cudahy, CA 90201
CLIENT: APTIM

N

Historical Topo Map

1942



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

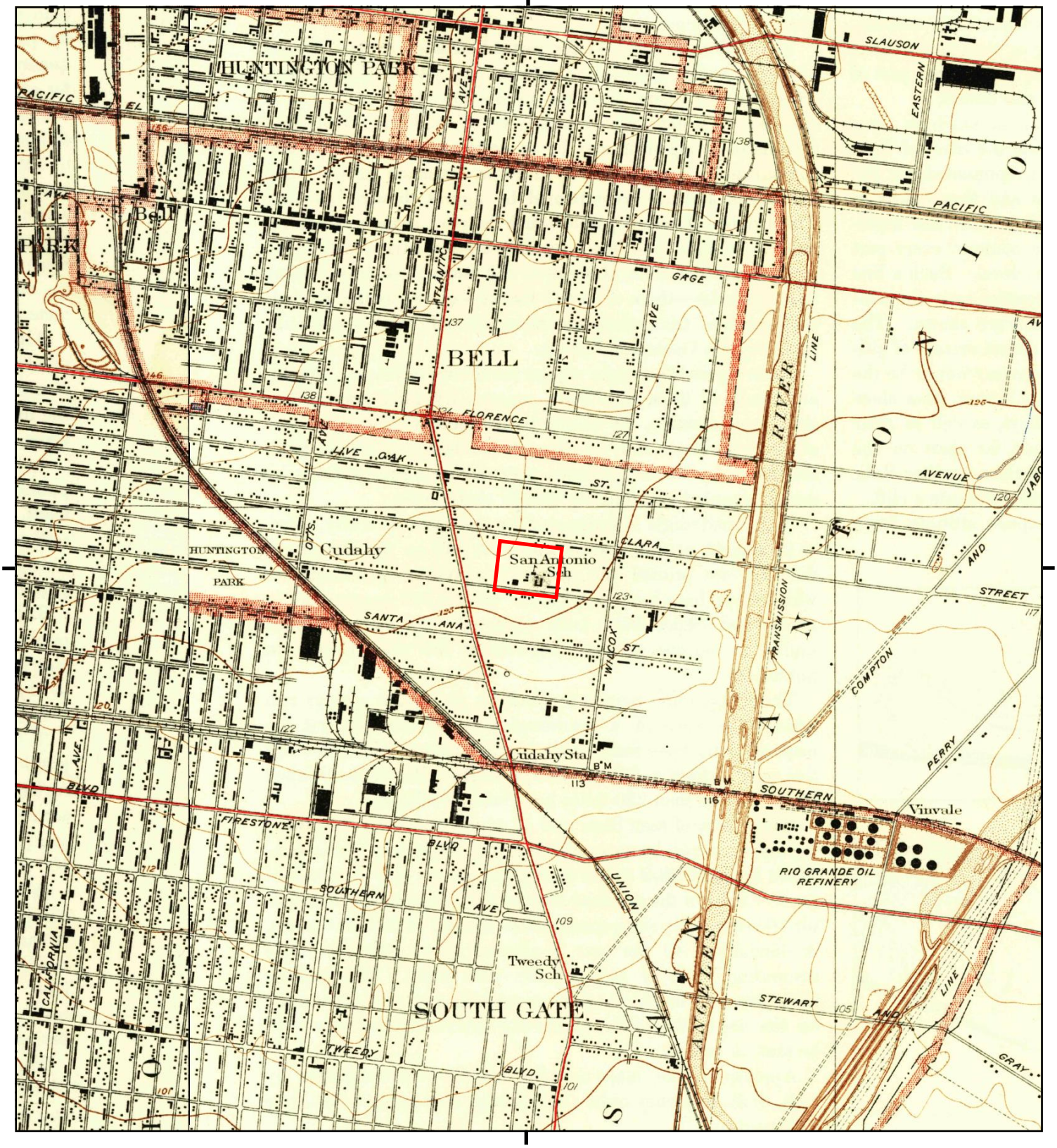
TP, Downey, 1942, 15-minute

SITE NAME: LAUSD
ADDRESS: 4811 Elizabeth St.
Cudahy, CA 90201
CLIENT: APTIM

N

Historical Topo Map

1936, 1937



This report includes information from the following map sheet(s).

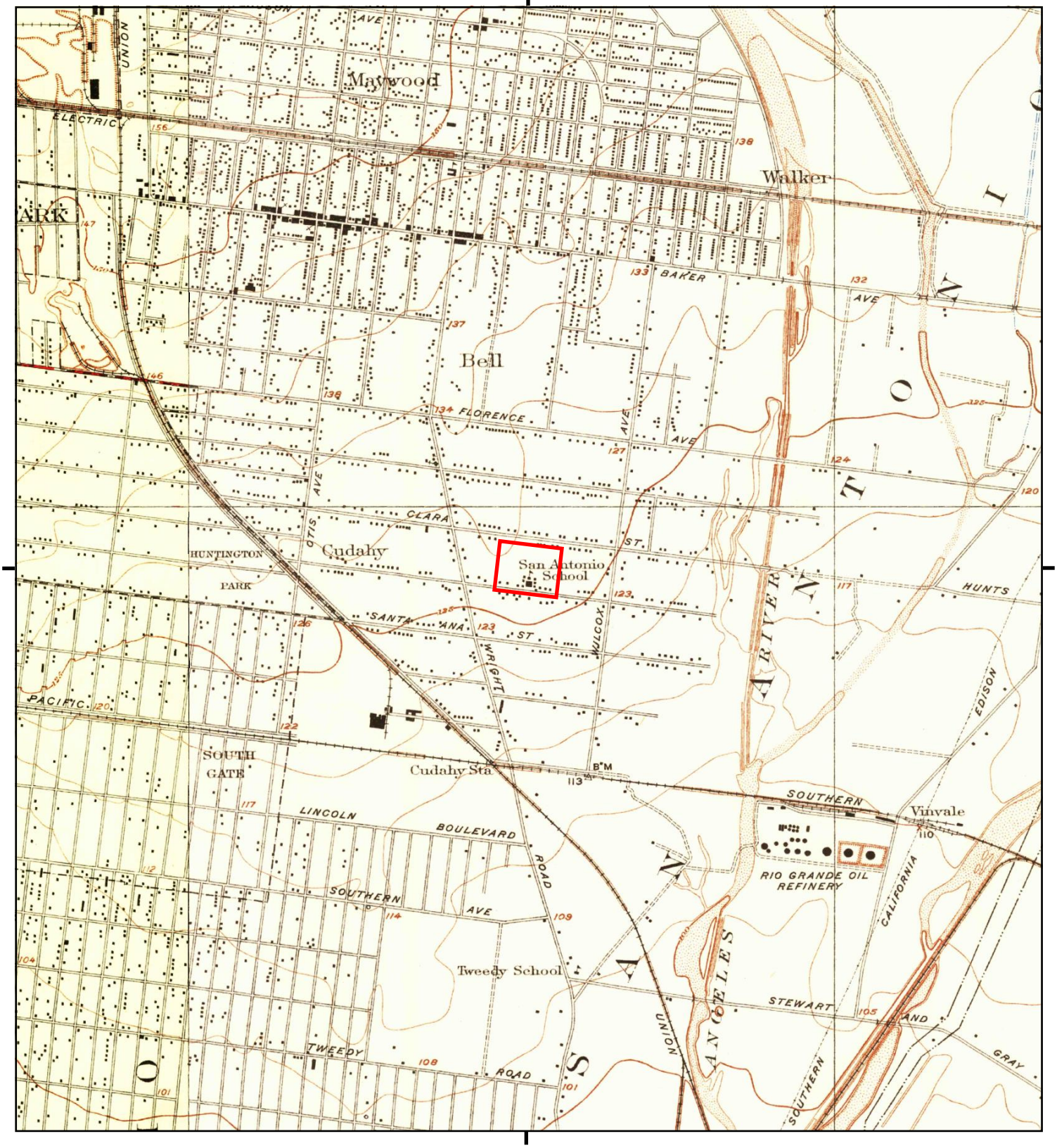
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Bell, 1936, 7.5-minute
W, Watts, 1937, 7.5-minute

SITE NAME: LAUSD
ADDRESS: 4811 Elizabeth St.
Cudahy, CA 90201
CLIENT: APTIM

N



This report includes information from the following map sheet(s).

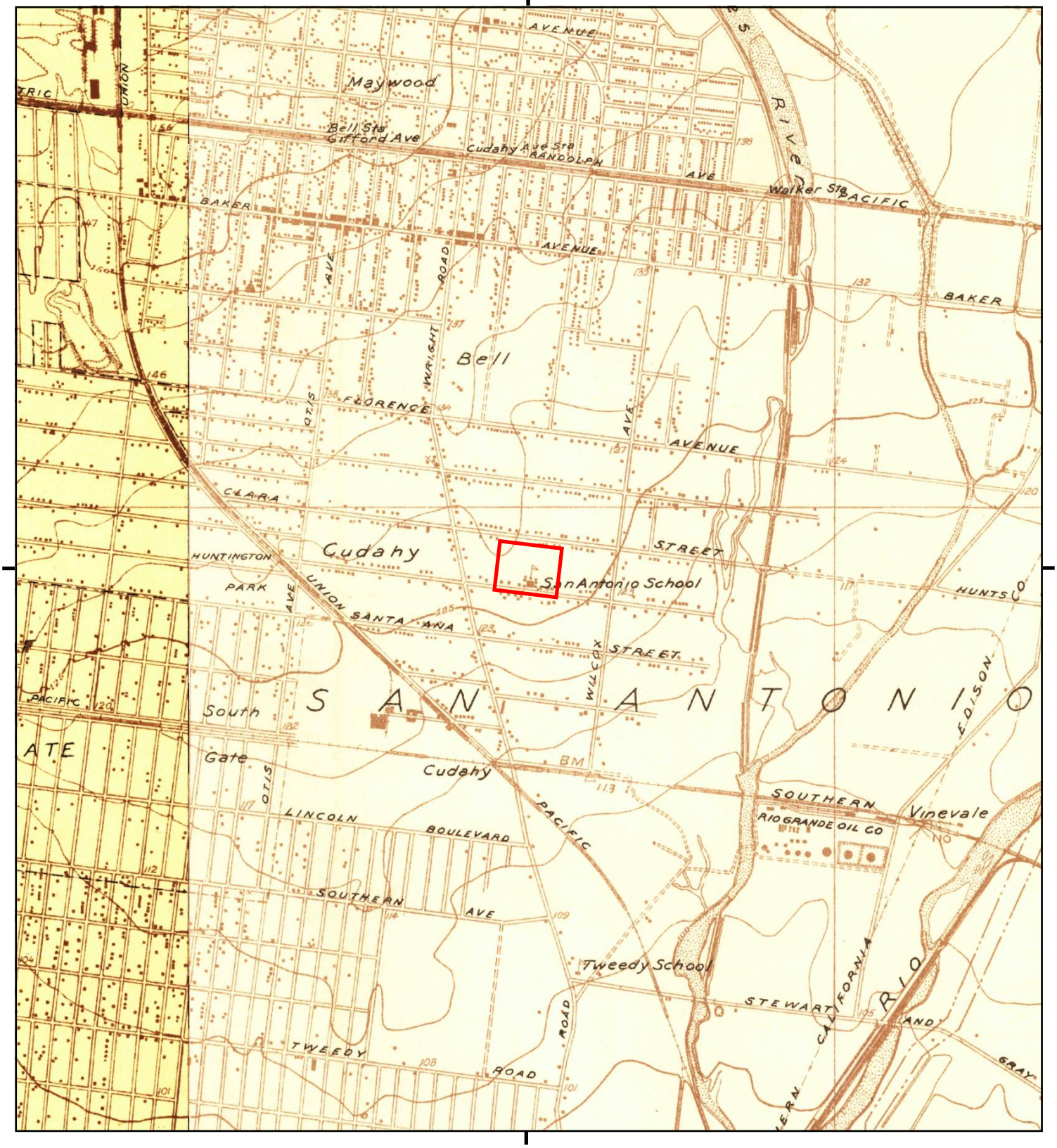
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Bell, 1925, 7.5-minute
W, Watts, 1924, 7.5-minute

SITE NAME: LAUSD
ADDRESS: 4811 Elizabeth St.
Cudahy, CA 90201
CLIENT: APTIM

N



This report includes information from the following map sheet(s).

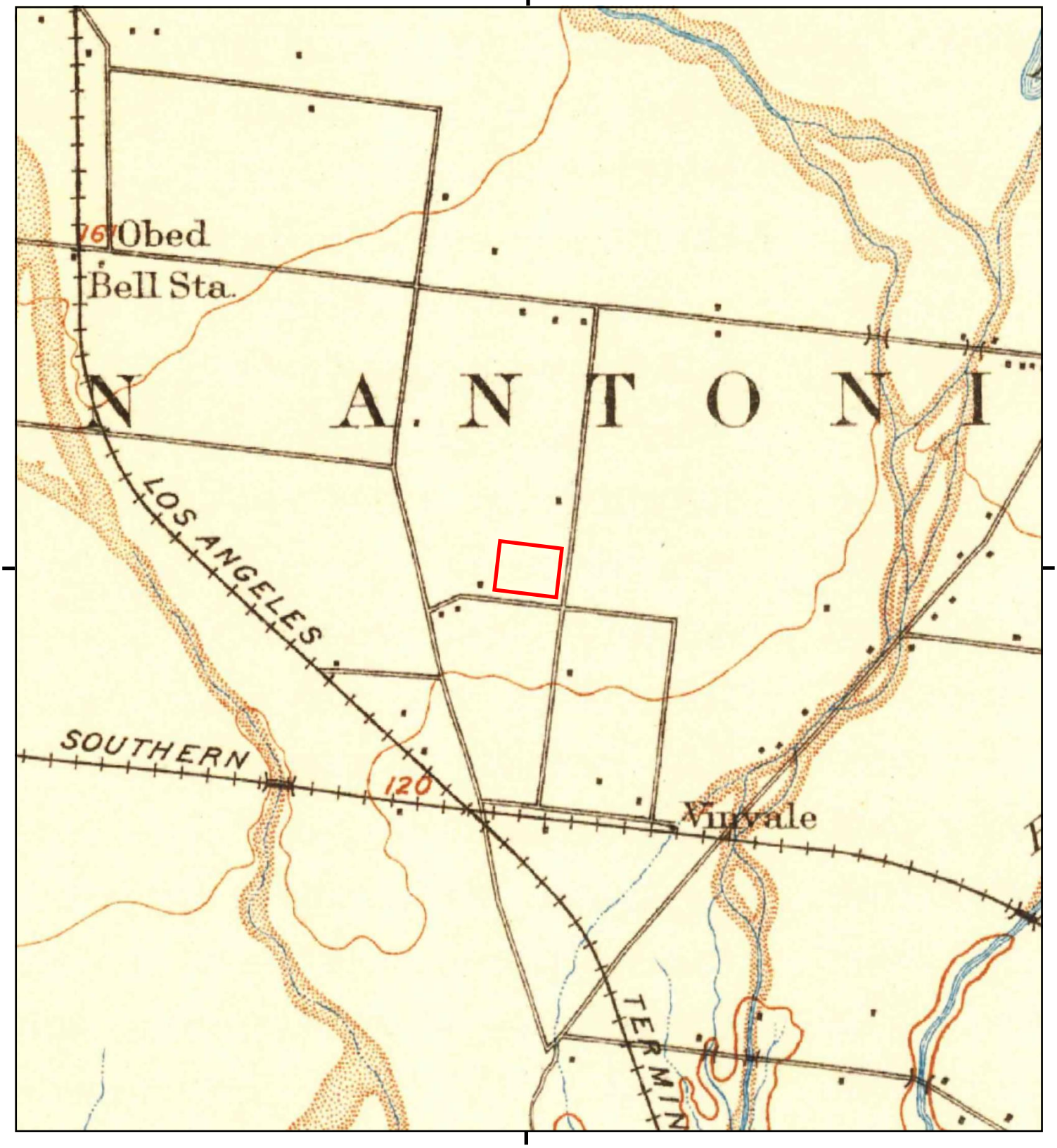
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Bell, 1923, 7.5-minute
W, Watts, 1923, 7.5-minute

SITE NAME: LAUSD
ADDRESS: 4811 Elizabeth St.
Cudahy, CA 90201
CLIENT: APTIM

N



This report includes information from the following map sheet(s).

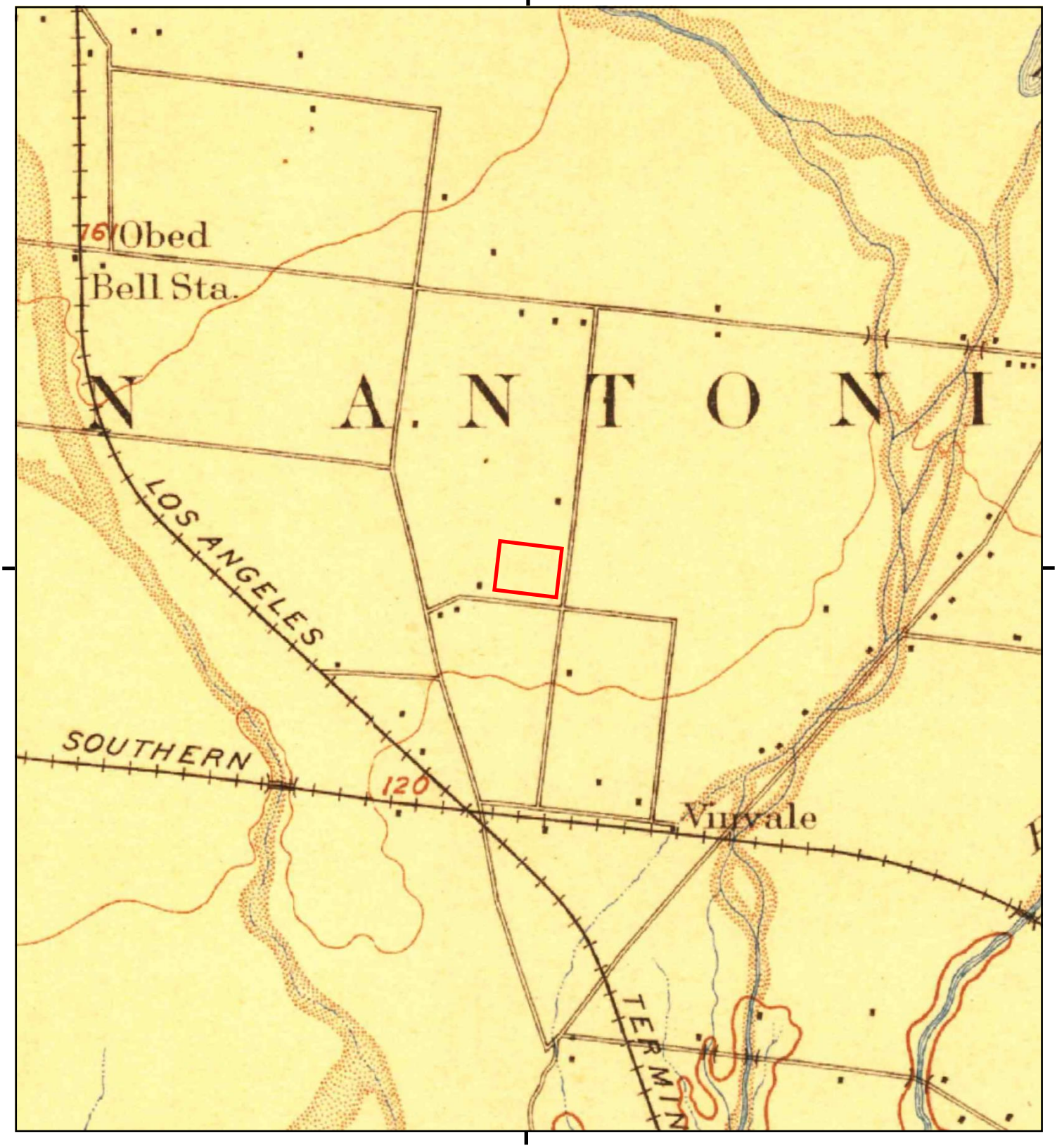
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1902, 15-minute

SITE NAME: LAUSD
ADDRESS: 4811 Elizabeth St.
Cudahy, CA 90201
CLIENT: APTIM

N



This report includes information from the following map sheet(s).

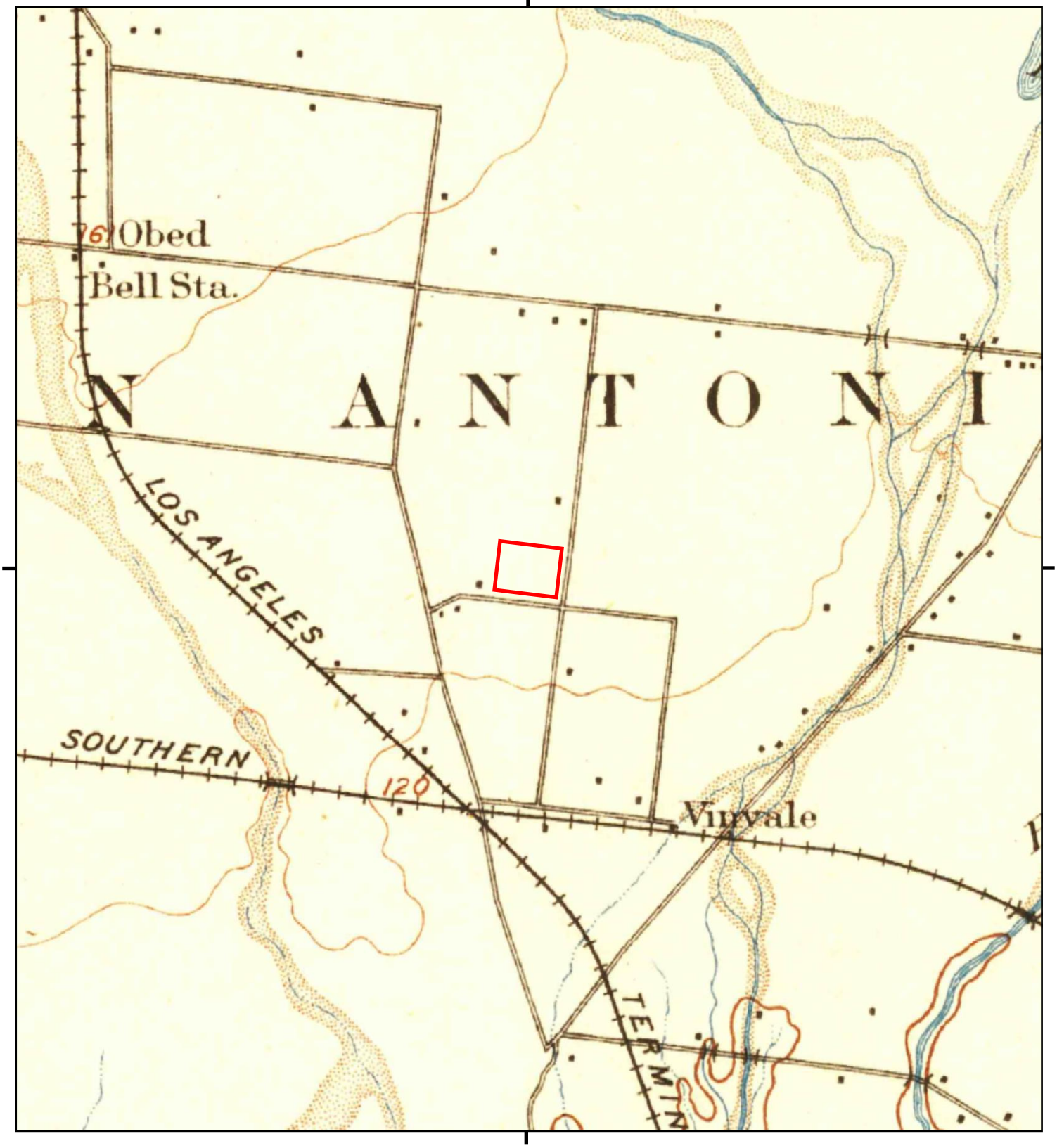
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1899, 15-minute

SITE NAME: LAUSD
ADDRESS: 4811 Elizabeth St.
Cudahy, CA 90201
CLIENT: APTIM

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1896, 15-minute

SITE NAME: LAUSD
ADDRESS: 4811 Elizabeth St.
Cudahy, CA 90201
CLIENT: APTIM

N

LAUSD
4811 Elizabeth St.
Cudahy, CA 90201

Inquiry Number: 5028286.5
August 22, 2017

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2014	EDR Digital Archive	X	X	X	-
2010	EDR Digital Archive	X	X	X	-
2006	Haines Company, Inc	X	X	X	-
	Haines Company, Inc.	X	X	X	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines Company, Inc.	-	-	-	-
2000	Haines & Company	X	X	X	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	-	-	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1991	Pacific Bell	-	-	-	-
1990	Pacific Bell	X	X	X	-
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	-	-	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	-	-	-
1976	Pacific Telephone	X	X	X	-
1975	Pacific Telephone	-	-	-	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	-	X	X	-
1970	Pacific Telephone	-	-	-	-
1969	Pacific Telephone	-	-	-	-
1967	Pacific Telephone	-	X	X	-
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	-	-	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	X	X	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	-	-	-
1958	Pacific Telephone	-	X	X	-
1957	Pacific Telephone	-	-	-	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	-	-	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Pacific Telephone & Telegraph Co.	X	X	X	-
1950	Pacific Telephone	-	-	-	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Associated Telephone Company, Ltd.	-	-	-	-
1947	Pacific Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	-	-	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	TRIBUNE-NEWS PUBLISHING CO.	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

4811 Elizabeth St.
Cudahy, CA 90201

FINDINGS DETAIL

Target Property research detail.

ELIZABETH ST

4811 ELIZABETH ST

Year	*Uses*	*Source*
2014	LOS ANGELES UNIFIED SCHOOL DST	EDR Digital Archive
	NORTHEAST COMMUNITY CLINIC	EDR Digital Archive
	TRI CITY HEADSTART	EDR Digital Archive
2010	LOS ANGELES UNIFIED SCHL DIST	EDR Digital Archive
	TRI CITY HEADSTART	EDR Digital Archive
2006	CINC CDy E HLTH	Haines Company, Inc
	ELIZABETHi	Haines Company, Inc
	EUZABETHi STREET 323 62 B	Haines Company, Inc
	LEARNING CT MED	Haines Company, Inc
	STFRHCS MED 32 M	Haines Company, Inc
	CLNC ELIZABETH STREET	Haines Company, Inc.
	CLNCCDHYEHLTH	Haines Company, Inc.
	ELIZABETH	Haines Company, Inc.
	LEARNING CT MED	Haines Company, Inc.
	SC STPRNCSMED	Haines Company, Inc.
2000	ELIZABETH STREET HEALTH CENTER	Haines & Company
	ELIZABETH STREET SC	Haines & Company
1990	ELIZABETH ST ELEMENTARY SCHOOL CDHY	Pacific Bell
1976	Elizabeth St Elementary School	Pacific Telephone
1951	Elizabth Los Angeles City Board of Education elementary schools Elizabeth	Pacific Telephone & Telegraph Co.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

ATLANTIC AVE

7720 ATLANTIC AVE

Year	Uses	Source
1958	Chaney Clarence F Jr	Pacific Telephone

Atlantic Ave

7722 Atlantic Ave

Year	Uses	Source
2010	A&A MOBILE HOME PARK	EDR Digital Archive

ATLANTIC AVE

7722 ATLANTIC AVE

Year	Uses	Source
2006	PARK BECERRA Salvador	Haines Company, Inc.
	ABA MOBILE HOME PK A & A MOBILE HOME	Haines Company, Inc.
	FLORES Celia	Haines Company, Inc.
	GOGLEY M	Haines Company, Inc.
	HERNANDEZLorena	Haines Company, Inc.
	LOPEZ Sergio	Haines Company, Inc.
	MARCOS Laura A	Haines Company, Inc.
	ROMEROManuel	Haines Company, Inc.
	SALAZAR Guillermina	Haines Company, Inc.
	SALAZARLuisa	Haines Company, Inc.
	THICKITT F	Haines Company, Inc.
	VERA Bertha	Haines Company, Inc.
	A&A MOBILE HOME PK	Haines Company, Inc
	BECERRA Salvador	Haines Company, Inc
	COSIO Mayra	Haines Company, Inc
	FLORES Cella	Haines Company, Inc
	GOGLEY M	Haines Company, Inc
	HERNANDEZLorena	Haines Company, Inc
	LOPEZSergio	Haines Company, Inc

FINDINGS

Year	Uses	Source
2006	MARCOS Laura A	Haines Company, Inc
	ROMERO Manuel	Haines Company, Inc
	SALAZARGulllermina	Haines Company, Inc
	SALAZARLu Isa	Haines Company, Inc
	THICKIT F	Haines Company, Inc
	VERA Bertha	Haines Company, Inc
	COSIOMayra	Haines Company, Inc.
1967	A & A Mobile Home Park	Pacific Telephone
	Bushnell Ray W	Pacific Telephone
	Chamberlin Flora F	Pacific Telephone
	Chamberlin Lyle P	Pacific Telephone
	Chaney C F	Pacific Telephone
	Chaney Clarence F Jr A & A Mobre Home Park	Pacific Telephone
	Cook Stanley V	Pacific Telephone
	Davis Cecelia	Pacific Telephone
	James Wm T	Pacific Telephone
	McConnell Harry O Mrs	Pacific Telephone
	McNeil H J	Pacific Telephone
	Overheu Orrie Mrs	Pacific Telephone
	Reuter Bud	Pacific Telephone
	Roberts Jas C	Pacific Telephone
	Walker Carl H	Pacific Telephone
1962	A & A Trailer Park	Pacific Telephone
	Burns Robt G	Pacific Telephone
	Chaney Clarence F Jr A & A Trailer Park	Pacific Telephone
	Elford Geo	Pacific Telephone
	Fidler Jas D	Pacific Telephone
	Goodrich Eunice B	Pacific Telephone
	Mc Kee Florence M	Pacific Telephone
	Shumaker Knight	Pacific Telephone
	Winters Olive	Pacific Telephone
1958	A & A Trailer Prk	Pacific Telephone
	Burns Robt G	Pacific Telephone
	Cauley Lila P	Pacific Telephone
	Chaney Clarence F Jr A & A Trailer Prk	Pacific Telephone
	Crane Hattie M	Pacific Telephone
	Lundy Mary A	Pacific Telephone

FINDINGS

Atlantic Ave

7736 Atlantic Ave

Year	Uses	Source
2014	CUDHAY MOTEL	EDR Digital Archive
2010	CUDHAY MOTEL	EDR Digital Archive

ATLANTIC AVE

7736 ATLANTIC AVE

Year	Uses	Source
2006	PATELJyotsn	Haines Company, Inc.
	CUDAHY MOTEL	Haines Company, Inc
	PATELJyotsna	Haines Company, Inc
	CUDAHY MOTEL	Haines Company, Inc.
1967	Higgins Clyde D	Pacific Telephone
	Cudahy Motel	Pacific Telephone
	Bogema Harold H	Pacific Telephone
1962	Rays Motel	Pacific Telephone
	Cudahy Motel	Pacific Telephone
1958	Rays Motel	Pacific Telephone
	Phy Chas H	Pacific Telephone

7738 ATLANTIC AVE

Year	Uses	Source
1962	Hoover Etta A Mrs	Pacific Telephone

7801 ATLANTIC AVE

Year	Uses	Source
1967	BERTON CO THE rack Jobbrs	Pacific Telephone
1962	BERTON CO THE rack Jobbrs	Pacific Telephone
	Cy Pevna & Associates mfrs rep	Pacific Telephone
	Pevna Cy & Associates mfrs rep	Pacific Telephone
1958	Austin Merle Co The	Pacific Telephone
	Austin Merle Serv Div L	Pacific Telephone
	Austin Merle Serv Div	Pacific Telephone
	Merle Austin Co	Pacific Telephone

7806 ATLANTIC AVE

Year	Uses	Source
1967	Trailer Grocery	Pacific Telephone

Year	Uses	Source
1962	Parrott Peyton W	Pacific Telephone
1958	Meier Edw	Pacific Telephone

7808 ATLANTIC AVE

Year	Uses	Source
1962	Saxe Everett E furn	Pacific Telephone

7810 ATLANTIC AVE

Year	Uses	Source
1967	Nortvedt Ray	Pacific Telephone
1962	Nortvedt Ray	Pacific Telephone
1958	Nortvedt Ray	Pacific Telephone

Atlantic Ave

7814 Atlantic Ave

Year	Uses	Source
2010	ESTRADA SAMUEL	EDR Digital Archive

ATLANTIC AVE

7814 ATLANTIC AVE

Year	Uses	Source
2006	APARTMENTS BAHENA Rosendo	Haines Company, Inc
	BERNALMercedes BURCIAGAAracell	Haines Company, Inc
	CASTRO Salvador	Haines Company, Inc
	FONSECA Martha	Haines Company, Inc
	GARCIAValente	Haines Company, Inc
	GUZMAN Martn	Haines Company, Inc
	MEDRANO Bemardo	Haines Company, Inc
	MORENO AJica	Haines Company, Inc
	NAVANRRO Rocio	Haines Company, Inc
	PARIS Gulllermilna QUINTANAHomar	Haines Company, Inc
	APARTMENTS BAHENARosendo	Haines Company, Inc.
	BERNALMercedes	Haines Company, Inc.
	BURCIAGAAraceli	Haines Company, Inc.
	CASTRO Salvador	Haines Company, Inc.
	FONSECA Martha	Haines Company, Inc.
	GARCIAValenle	Haines Company, Inc.
	GUZMAN Marlin	Haines Company, Inc.

FINDINGS

Year	Uses	Source
2006	MEDRANO Bemardo	Haines Company, Inc.
	MORENOAlicia	Haines Company, Inc.
	NAVANRRO Rocio	Haines Company, Inc.
	PARIS Guillermnna	Haines Company, Inc.
	QUINTANAHomar	Haines Company, Inc.
1967	Beck Louise	Pacific Telephone
	Burlin Mabel	Pacific Telephone
	Cook Della	Pacific Telephone
	Cozens Art L	Pacific Telephone
	Dannenberg Elmer J	Pacific Telephone
	Day Chas P	Pacific Telephone
	Deering Robt	Pacific Telephone
	Frost Florence E	Pacific Telephone
	Herrin Claude B	Pacific Telephone
	Jenson Oscar W	Pacific Telephone
	Madrid Mildred E Mrs	Pacific Telephone
	Nortvedt Ray	Pacific Telephone
	Wyble Loren	Pacific Telephone
1962	Dannenberg Elmer J	Pacific Telephone
	Fesler Grace C	Pacific Telephone
	Hill Arlie	Pacific Telephone
	Hockman Kauno K	Pacific Telephone
	Madrid Mildred E Mrs	Pacific Telephone
	Olsen Grant C	Pacific Telephone
	Owens Ralph J	Pacific Telephone
	Saindon Mary L	Pacific Telephone
	Stratton Kate	Pacific Telephone
	Burlin Mabel	Pacific Telephone
	Clark Ethel V	Pacific Telephone
1958	Burri Geo	Pacific Telephone
	Case V E	Pacific Telephone
	Fischer Alfred J	Pacific Telephone
	Gatton Harry	Pacific Telephone
	Hill Arlie	Pacific Telephone
	Mc Donald Grace B	Pacific Telephone
	Mc Donald Jas R Rev	Pacific Telephone
	Thomas J R Mrs	Pacific Telephone
	Wright Clarence Edwin	Pacific Telephone

FINDINGS

7815 ATLANTIC AVE

Year	Uses	Source
1967	Cudahy Auto Serv	Pacific Telephone
1962	Cudahy Auto Serv	Pacific Telephone
1958	Sullie Wm Used Cars	Pacific Telephone

7825 ATLANTIC AVE

Year	Uses	Source
2006	KAISERMED MAIN	Haines Company, Inc
	NUMBER	Haines Company, Inc
	KAISERMED	Haines Company, Inc
	OPTICAL	Haines Company, Inc
	DISPENSING	Haines Company, Inc
	KAISERMED	Haines Company, Inc
	REFILLS	Haines Company, Inc
	KAISER MED MAIN	Haines Company, Inc.
	NUMBER KAISER MED	Haines Company, Inc.
	OPTICAL	Haines Company, Inc.
	DISPENSING KAISER MED	Haines Company, Inc.
	REFILLS	Haines Company, Inc.
1967	Roys Trailer Sales	Pacific Telephone
1962	Roys Trailer Sales	Pacific Telephone
1958	Roys Trailer Sales	Pacific Telephone

7830 ATLANTIC AVE

Year	Uses	Source
1967	Ed & Bobs Chevron Service	Pacific Telephone
	Vaughn Ed Ed & Bobs Chevron Service	Pacific Telephone
	Woody Bobby Ed & Bobs Chevron Service	Pacific Telephone

7842 ATLANTIC AVE

Year	Uses	Source
2006	U HAULCO	Haines Company, Inc
	U HAULCO	Haines Company, Inc.

7900 ATLANTIC AVE

Year	Uses	Source
2006	BURGER KING	Haines Company, Inc.
	BURGERKING	Haines Company, Inc

FINDINGS

CLARA

4622 CLARA

Year	Uses	Source
1990	DE LEON MIGUEL ANGEL CDHY	Pacific Bell
1981	CARRILLO ANA M CDHY	Pacific Telephone
	CASTILLO R E CDHY	Pacific Telephone
1971	Macias Benito	Pacific Telephone
	Macias Hannelore	Pacific Telephone
	Perea Stephen	Pacific Telephone
1967	Ybaben Regner	Pacific Telephone
1962	Gandee Jas	Pacific Telephone
	Gardner Chas E	Pacific Telephone
	Miley Barbara	Pacific Telephone
	Miley Jas	Pacific Telephone
	Reedy Patricia A	Pacific Telephone
	Reedy Robt D	Pacific Telephone

4625 CLARA

Year	Uses	Source
1990	ORTIZ PEDRO LOYA CDHY	Pacific Bell
	ALONSO JORGE CDHY	Pacific Bell
	ELLIS WILLIAM A & BILLIE CDHY	Pacific Bell
1986	ANGUIA MONA CDHY	Pacific Bell
	CELAYA A F CDHY	Pacific Bell
	GIRON GUILLERMO CDHY	Pacific Bell
	QUIJADA JOHN M CDHY	Pacific Bell
	VIANA PEDRO CDHY	Pacific Bell
1981	ALVAREZ MICHAEL CDHY	Pacific Telephone
	FLORES SILVIA CDHY	Pacific Telephone
	GOODWIN ROBT CDHY	Pacific Telephone
	HICKS JAS L CDHY	Pacific Telephone
	MORENO ANTONIO CDHY	Pacific Telephone
	RODARTE JUDITH M CDHY	Pacific Telephone
	RODARTE MAGDALENA M CDHY	Pacific Telephone
	SANCHEZ MARIA M CDHY	Pacific Telephone
	TOBIAS MARIE CDHY	Pacific Telephone
	VALLES MARIA CDHY	Pacific Telephone
1971	Choi Zunsik	Pacific Telephone
	Manibog Wallace D	Pacific Telephone

FINDINGS

Year	Uses	Source
1971	Stephens Walter	Pacific Telephone
1967	Bowman Jos W	Pacific Telephone
	Goodman Margaret A	Pacific Telephone
	Maxwell Allan	Pacific Telephone
	Maxwell Mollie	Pacific Telephone
	Michaels Ann E	Pacific Telephone
	Oliver Bess Skeels	Pacific Telephone
	Phillipps Edw	Pacific Telephone
	Pruitt Jas L	Pacific Telephone
	Pugh Helen	Pacific Telephone
	Shepherd Ronald	Pacific Telephone
	Stern Sidney	Pacific Telephone
	Walden Carl E	Pacific Telephone
	Walden Stanley	Pacific Telephone
	All American Builders & Developers Inc	Pacific Telephone

4628 CLARA

Year	Uses	Source
1981	BRICKOTE CO CDHY	Pacific Telephone
1967	Southern J M	Pacific Telephone
1962	Wilbur Harry	Pacific Telephone

4635 CLARA

Year	Uses	Source
1990	AGUIRRE JULIO CAESAR CDHY	Pacific Bell
	SANCHEZ DANIEL & GLORIA CDHY	Pacific Bell
	RAMIREZ R CDHY	Pacific Bell
	OSORIO MARIA ISABEL CDHY	Pacific Bell
	KUBA ELLEN CDHY	Pacific Bell
	BACA JESUS CDHY	Pacific Bell
	AYALA LUIS CDHY	Pacific Bell
	AMANTA RENDO CDHY	Pacific Bell
1986	RODRIGUEZ SOLEDAD CDHY	Pacific Bell
	GARRETT FELECIA W CDHY	Pacific Bell
	BURGESS DAVID JR CDHY	Pacific Bell
	BACA JESUS CDHY	Pacific Bell
1981	ZAVALA DOLORES CDHY	Pacific Telephone
	ARMIJO RAY CDHY	Pacific Telephone
	CASTRO FRED A CDHY	Pacific Telephone

FINDINGS

Year	Uses	Source
1981	DUNKLE JAS S CDHY	Pacific Telephone
	GARRETT FELECIA W CDHY	Pacific Telephone
	JOHNSON ROBERTA CDHY	Pacific Telephone
	LEE R C CDHY	Pacific Telephone
	MYERS SHIRLEY P CDHY	Pacific Telephone
1971	Calvillo Robt	Pacific Telephone
	Cortez Julio Jr	Pacific Telephone
	Duty Don	Pacific Telephone
	Orr Jos J	Pacific Telephone
	Putnam G P	Pacific Telephone
	Reid David	Pacific Telephone
	Reid Jacqueline	Pacific Telephone
	Salazar Edward	Pacific Telephone
1967	Burgess John R	Pacific Telephone
	Duran Will F	Pacific Telephone
	Duty Jerry	Pacific Telephone
	Fauth K M	Pacific Telephone
	Limas Fidel	Pacific Telephone
	Starheim Karen	Pacific Telephone
1962	Deming La Von	Pacific Telephone

4636 CLARA

Year	Uses	Source
1990	GARDUNO GABRIEL CDHY	Pacific Bell

4644 CLARA

Year	Uses	Source
1962	Lucas Elizabeth B	Pacific Telephone

4647 CLARA

Year	Uses	Source
1990	LEON DELIO A CDHY	Pacific Bell
1981	CORREA GUADALUPE CDHY	Pacific Telephone

4648 CLARA

Year	Uses	Source
1986	CRUZ JESUS A CDHY	Pacific Bell
1981	CRUZ JESUS A CDHY	Pacific Telephone

FINDINGS

4654 CLARA

Year	Uses	Source
1990	JOHNSON WARREN MRS CDHY	Pacific Bell
1986	JOHNSON WARREN MRS CDHY	Pacific Bell
1981	JOHNSON WARREN MRS CDHY	Pacific Telephone
1971	Johnson Warren Mrs	Pacific Telephone
1967	Johnson Warren Mrs	Pacific Telephone
1962	Johnson Warren Mrs	Pacific Telephone

4655 CLARA

Year	Uses	Source
1990	AVILA PETE ALBERT CDHY	Pacific Bell
1971	Forbus Lois	Pacific Telephone
	Forbus Pat	Pacific Telephone
	Caraway Ben	Pacific Telephone
1967	Arnold R David	Pacific Telephone
	Caraway Ben	Pacific Telephone
1962	Dunlap Ezra H	Pacific Telephone
	Dunlap La Wana A	Pacific Telephone

4657 CLARA

Year	Uses	Source
1986	MUNOZ JOSUE CDHY	Pacific Bell
1981	SARMENTO GILBERTO R CDHY	Pacific Telephone
1971	Lofton Marlin H	Pacific Telephone
1967	Lofton Marlin H	Pacific Telephone
1962	Lofton Marlin H	Pacific Telephone

4659 CLARA

Year	Uses	Source
1990	MUNOZ JOSUE CDHY	Pacific Bell
1971	Collins Jess H	Pacific Telephone
1967	Collins Jess H	Pacific Telephone
1962	Collins Jess H	Pacific Telephone

4660 CLARA

Year	Uses	Source
1990	NACCARI N CDHY	Pacific Bell
	SANCHEZ IONE M CDHY	Pacific Bell
	TORRES DANA D CDHY	Pacific Bell
1986	BEST ELVIA M CDHY	Pacific Bell

FINDINGS

Year	Uses	Source
1986	CONTRERAS ALFREDO CDHY	Pacific Bell
	HERNANDEZ S CDHY	Pacific Bell
	NACCARI N CDHY	Pacific Bell
	TREVINO JOHNNY CDHY	Pacific Bell
1981	BEST ELVIA M CDHY	Pacific Telephone
	COLUNGA DANL CDHY	Pacific Telephone
	GONZALEZ LETICIA L CDHY	Pacific Telephone
	SCHMICK ROLLIN G CDHY	Pacific Telephone
1971	Hilton Vicki J	Pacific Telephone
	Potter Walter	Pacific Telephone
	Simonton Bertha	Pacific Telephone
	Strong Darwin Jr	Pacific Telephone
1967	Agundez Martha	Pacific Telephone
	Dudley Austin W	Pacific Telephone
	Eriksen Harold R	Pacific Telephone
	Ferera John A	Pacific Telephone
	Jones Wm D	Pacific Telephone
	Litton Jas	Pacific Telephone
	Murrin Thos V	Pacific Telephone

4661 CLARA

Year	Uses	Source
1990	PAULSON PAUL D CDHY	Pacific Bell
1986	PAULSON PAUL D CDHY	Pacific Bell
1981	PAULSON PAUL D CDHY	Pacific Telephone
1971	Paulson Paul D	Pacific Telephone
1967	Paulson Paul D	Pacific Telephone
1962	Paulson Paul D	Pacific Telephone

4663 CLARA

Year	Uses	Source
1981	TAYLOR EDW J JR CDHY	Pacific Telephone
1967	Dunlap Ezra H	Pacific Telephone
	Dunlap La Wana	Pacific Telephone
1962	Reece Troy	Pacific Telephone
	Reece Nancy	Pacific Telephone

FINDINGS

4665 CLARA

Year	Uses	Source
1990	CENTRO EVANGELISTICO EBENEZER CDHY	Pacific Bell
	CENTRO EVANGELISTICO EBENEZER YOUTH MINISTRIES CDHY	Pacific Bell
1981	BELL FULL GOSPEL ASSEMBLY OF GOD CDHY	Pacific Telephone
	IGLESIA EVANGELICA EL CENACULO CDHY	Pacific Telephone
	SOLIS RENE O CDHY	Pacific Telephone
1971	Bell Full Gospel Assembly Of God L	Pacific Telephone
1967	Bell Full Gospel Assembly of God	Pacific Telephone
1962	Bell Full Gospel Assembly of God	Pacific Telephone

4670 CLARA

Year	Uses	Source
1990	SUAREZ MARIO CDHY	Pacific Bell
	BARRANCO NANETTE CDHY	Pacific Bell
	ELIZONDO REBECA CDHY	Pacific Bell
	HARRIS T CDHY	Pacific Bell
	LOPEZ J CDHY	Pacific Bell
	MIRANDA JAVIER CDHY	Pacific Bell
	ROSA LUIS F CDHY	Pacific Bell
1986	JIMENEZ JOE A CDHY	Pacific Bell
	MARQUEZ PEGGY CDHY	Pacific Bell
	RODRIGUEZ MARIA CDHY	Pacific Bell
1981	CLIFF MILDRED CDHY	Pacific Telephone
	LOPEZ FRANK A CDHY	Pacific Telephone
	SIMMONS ESTHER A CDHY	Pacific Telephone
	VAZQUEZ JOAQUIN CDHY	Pacific Telephone
	HATHAWAY JIM CDHY	Pacific Telephone
	HARRY CDHY	Pacific Telephone
1971	Ochoa Mona L	Pacific Telephone
	Rael Mike	Pacific Telephone
	Valenzuela Jos	Pacific Telephone
	Mulligan Hauzel F	Pacific Telephone
	Allison Robt L	Pacific Telephone
1967	Woodman Donald L	Pacific Telephone
	Robinson Frank C	Pacific Telephone
	Gray Rex	Pacific Telephone

FINDINGS

Year	Uses	Source
1967	Bruce Lemmie Lee	Pacific Telephone

4700 CLARA

Year	Uses	Source
1986	VALADEZ MICHAEL & MARIA CDHY	Pacific Bell
	SANDOVAL R CDHY	Pacific Bell
	MONCADA JOSESINA CDHY	Pacific Bell
	LUCIA JOHN R CDHY	Pacific Bell
1981	UMANA MAYRA C CDHY	Pacific Telephone
	SILVETI ROSARIO M CDHY	Pacific Telephone
	HERNANDEZ MARA CDHY	Pacific Telephone
	ALLEN JEANNE L CDHY	Pacific Telephone
	FERGUSON SYBIL CDHY	Pacific Telephone
1971	Whitestone Terry W	Pacific Telephone
	Whitestone Catherine	Pacific Telephone
	Coleman Fay	Pacific Telephone
1967	Slade Marie	Pacific Telephone
	Thompson Michael M	Pacific Telephone
	Slade Marie	Pacific Telephone
	Noonan Elmo M	Pacific Telephone
	James Fred E	Pacific Telephone
	Furrer Robt	Pacific Telephone
	Blackwell Sharon J	Pacific Telephone

4703 CLARA

Year	Uses	Source
1981	BRAVO OLIVIA C CDHY	Pacific Telephone
1962	Robey F F	Pacific Telephone

4707 CLARA

Year	Uses	Source
1986	GONZALES ARTURO CDHY	Pacific Bell
1971	Robey Arthur F	Pacific Telephone
1967	Robey Arthur F	Pacific Telephone
1962	Robey Arthur F	Pacific Telephone

4712 CLARA

Year	Uses	Source
1990	QUINONES PATRICIA CDHY	Pacific Bell
1986	QUINONES PATRICIA CDHY	Pacific Bell

FINDINGS

Year	Uses	Source
1971	Van Houten Ed	Pacific Telephone
	Janes Walter	Pacific Telephone
1967	Janes Walter	Pacific Telephone
	Bemis David L	Pacific Telephone
1962	Janes Walter	Pacific Telephone
	Grethen Edw Dean	Pacific Telephone

4714 CLARA

Year	Uses	Source
1986	NERY ALFONSO L CDHY	Pacific Bell
1967	Green A B	Pacific Telephone

4715 CLARA

Year	Uses	Source
1981	GONZALEZ MANUEL	Pacific Telephone

4718 CLARA

Year	Uses	Source
1990	HERAS ALFREDO CDHY	Pacific Bell
1981	DODGE B CDHY	Pacific Telephone
1967	Houtman Harry	Pacific Telephone
1962	Will Allen	Pacific Telephone

4719 CLARA

Year	Uses	Source
1986	GONZALES JOSE J CDHY	Pacific Bell
1962	Kukura Jack	Pacific Telephone

4721 CLARA

Year	Uses	Source
1990	MOZKUEDA VICTORIA CDHY	Pacific Bell

4722 CLARA

Year	Uses	Source
1986	PEREZ JESUS B CDHY	Pacific Bell
1981	COUSINS RAY E CDHY	Pacific Telephone
1962	Wilson Andrew	Pacific Telephone

4728 CLARA

Year	Uses	Source
1981	PARAMO EDUARDO CDHY	Pacific Telephone

FINDINGS

Year	Uses	Source
1971	BELLHAVEN GUEST HOME	Pacific Telephone
	Guidotti Gussie J	Pacific Telephone
1967	BELLHAVEN GUEST HOME	Pacific Telephone
	Guidotti Gussie J	Pacific Telephone
1962	Bellhaven Guest Home	Pacific Telephone

4729 CLARA

Year	Uses	Source
1981	SANDERS JULIE A CDHY	Pacific Telephone
1971	Dunn W F	Pacific Telephone
	Chesley Geo M	Pacific Telephone
1967	Chesley Geo M	Pacific Telephone
	Van Hunnick Donald	Pacific Telephone
1962	Chesley Geo M	Pacific Telephone
	Murphy Loy R	Pacific Telephone

4731 CLARA

Year	Uses	Source
1990	KOMURA KUNIO CDHY	Pacific Bell
1986	KOMURA KUNIO CDHY	Pacific Bell
1981	ROGNON JAS CDHY	Pacific Telephone
1971	Draper Wendell	Pacific Telephone
1962	Hooper Clarence Jr	Pacific Telephone
	Brandon Jackie	Pacific Telephone

4733 CLARA

Year	Uses	Source
1990	CORRALES CARLOS DE JESUS CDHY	Pacific Bell
1986	MILLER MERL F CDHY	Pacific Bell
	POGGENSEE JAMES CDHY	Pacific Bell
1981	SHIKASHO MOTONOBU CDHY	Pacific Telephone
1971	Gusta Golda M	Pacific Telephone
	Rognon Jas	Pacific Telephone

4735 CLARA

Year	Uses	Source
1971	Bryant Barbara	Pacific Telephone
1962	Adams Mike	Pacific Telephone

FINDINGS

4736 CLARA

Year	Uses	Source
1981	BASKRON SAML CDHY	Pacific Telephone

4737 CLARA

Year	Uses	Source
1986	HIRASAWA KAZUHIRO CDHY	Pacific Bell

4739 CLARA

Year	Uses	Source
1990	SUGITA HIROMI CDHY	Pacific Bell
1986	HERRIN LEWIS CDHY	Pacific Bell
1981	HERRIN LEWIS CDHY	Pacific Telephone
1971	Harris John	Pacific Telephone
	Herrin Myrtle	Pacific Telephone

4740 CLARA

Year	Uses	Source
1990	CLARA STREET PRIMARY CENTER CDHY	Pacific Bell
1971	Johnson Carl	Pacific Telephone
1967	Johnson Carl	Pacific Telephone
1962	Johnson Carl	Pacific Telephone

4741 CLARA

Year	Uses	Source
1990	MIYAMOTO EIJI CDHY	Pacific Bell

4743 CLARA

Year	Uses	Source
1990	WATANABE SUSAKO CDHY	Pacific Bell
1986	WATANABE SUSAKO CDHY	Pacific Bell
1967	Davids Backhoe Serv digging	Pacific Telephone
1962	Davids Backhoe Serv digging	Pacific Telephone

4749 CLARA

Year	Uses	Source
1981	G E CDHY	Pacific Telephone
1967	Fisher Bruce A	Pacific Telephone
1962	Frontella Louis	Pacific Telephone

FINDINGS

4751 CLARA

Year	Uses	Source
1981	ELECTRIC CDHY	Pacific Telephone
1967	Fisher T J	Pacific Telephone
1962	Fisher T J	Pacific Telephone

4800 CLARA

Year	Uses	Source
1990	CASTILLO ARTURO CDHY	Pacific Bell

4801 CLARA

Year	Uses	Source
1981	RAMOS LARRY D CDHY	Pacific Telephone
1971	Ramos Larry D	Pacific Telephone
1967	Ramos Larry D	Pacific Telephone
1962	Obtinario Tiburcio	Pacific Telephone

4805 CLARA

Year	Uses	Source
1990	VERRETTE G L CDHY	Pacific Bell
	URIAS GUADALUPE CDHY	Pacific Bell
	TURNER V B CDHY	Pacific Bell
	TINTO MARGARET E CDHY	Pacific Bell
	SMITH M L CDHY	Pacific Bell
	PADILLA CARMEN CDHY	Pacific Bell
	OTT VIRGIL W CDHY	Pacific Bell
	MURPHY MARY A CDHY	Pacific Bell
	MILLER E CHRISTINE CDHY	Pacific Bell
	MARTINEZ DEIFINA CDHY	Pacific Bell
	LUGO SARA CDHY	Pacific Bell
	LEE MAE J CDHY	Pacific Bell
	LANTZ PEGGY CDHY	Pacific Bell
	KIM JIN B CDHY	Pacific Bell
	GIOVANNOLI LOUIS C CDHY	Pacific Bell
	CONTRERAS OLIVIA CDHY	Pacific Bell
	CLARA PARK COMMONS FOR SENIORS CDHY	Pacific Bell
1971	La Gore Denise E	Pacific Telephone
1967	Bales Isaac P	Pacific Telephone
1962	Bousman Le Roy H	Pacific Telephone

FINDINGS

4655 1/2 CLARA

Year	Uses	Source
1990	ALEMAN SOCORRO CDHY	Pacific Bell
1981	QUINONES RICARDO CDHY	Pacific Telephone

4721 1/2 CLARA

Year	Uses	Source
1990	GARCIA GREGORY CDHY	Pacific Bell

4722 1/4 CLARA

Year	Uses	Source
1990	ESCOTO RAMON CDHY	Pacific Bell

4729 1/2 CLARA

Year	Uses	Source
1990	CHANG GRACE C CDHY	Pacific Bell
	CHANG G C CDHY	Pacific Bell

4741 1/2 CLARA

Year	Uses	Source
1986	MIYAMOTO EIJI CDHY	Pacific Bell
1981	MIYAMOTO EIJI CDHY	Pacific Telephone

CLARA ST

4613 CLARA ST

Year	Uses	Source
2006	o VEJAREmesto	Haines Company, Inc
	GONZALEZSugey	Haines Company, Inc
	GONZALEZ Sugey	Haines Company, Inc.
	o VEJAREmeslo	Haines Company, Inc.
2000	VEJAR Ernesto	Haines & Company
1951	Clara St Bell Collins Raymond r	Pacific Telephone & Telegraph Co.

4615 CLARA ST

Year	Uses	Source
2006	ZEPEDASaul	Haines Company, Inc.
	ZEPEDA Saul	Haines Company, Inc
2000	XXXX	Haines & Company
1976	Chavez Genovia	Pacific Telephone

FINDINGS

4619 CLARA ST

Year	Uses	Source
2006	ACOSTA Francisco	Haines Company, Inc.
	e ACOSTA Francisco	Haines Company, Inc
2000	ACOSTA Francisco	Haines & Company
1976	Garcia Rafael M	Pacific Telephone
1958	Minegar Howard H	Pacific Telephone
1951	Clara Bell Minegar Howard H r	Pacific Telephone & Telegraph Co.

4622 CLARA ST

Year	Uses	Source
2006	APARTMENTS	Haines Company, Inc
	ALTAMIRANO Bertha	Haines Company, Inc
	EQUIHUA Maria GARCIA Jose	Haines Company, Inc
	C GUZMAN Maria	Haines Company, Inc
	HERREJON Victor	Haines Company, Inc
	MORENO Marie	Haines Company, Inc
	APARTMENTS ALTAMIRANO Bertha	Haines Company, Inc.
	EQUIHUA Mana	Haines Company, Inc.
	GARCIA Jose	Haines Company, Inc.
	C GUZMANMana	Haines Company, Inc.
	HERREJON Viclor	Haines Company, Inc.
	MORENO Maria	Haines Company, Inc.
2000	CASTANEDA Roberto	Haines & Company
1976	Bennett Dorothy L	Pacific Telephone
	Macias Benito	Pacific Telephone
	Macias Hannelere	Pacific Telephone
	Suarez Angel	Pacific Telephone
1958	Barker Ronald L	Pacific Telephone
	Bullard Jerry D	Pacific Telephone
	Hoover Doris F	Pacific Telephone

Clara St

4625 Clara St

Year	Uses	Source
2010	GUINTOS CONSTRUCTION	EDR Digital Archive
	REMODEL SERGIO CONSTRUCTION	EDR Digital Archive

FINDINGS

CLARA ST

4625 CLARA ST

Year	*Uses*	*Source*
2006	TOLEDO Osvaldo	Haines Company, Inc
	VILLEGAS Pedro	Haines Company, Inc
	APARTMENTS CONTRERAS	Haines Company, Inc.
	Samanlha	Haines Company, Inc.
	ECHEGOYEN Gladys	Haines Company, Inc.
	A GARCIA Elena	Haines Company, Inc.
	GUINTO Mirnma	Haines Company, Inc.
	JIMENEZJacqueline	Haines Company, Inc.
	LEONSerapio	Haines Company, Inc.
	MUNOZEnka	Haines Company, Inc.
	ORTEGA Vanessa	Haines Company, Inc.
	PEREZ Nicolas	Haines Company, Inc.
	RENDON Emilia	Haines Company, Inc.
	ROMERO Claudia	Haines Company, Inc.
	SALAZARFralemidad	Haines Company, Inc.
	TOLEDO Osvaldo	Haines Company, Inc.
	VILLEGAS Pedro	Haines Company, Inc.
	APARTMENTS	Haines Company, Inc
	CONTRERAS	Haines Company, Inc
	Samantha	Haines Company, Inc
	ECHEGOYEN Gladys	Haines Company, Inc
	GARCIAElena	Haines Company, Inc
	U 15 TO Mima	Haines Company, Inc
	JIMENEZJacqueline	Haines Company, Inc
	LEON Serapio	Haines Company, Inc
	MUNOZ Erka	Haines Company, Inc
	ORTEGA Vanessa	Haines Company, Inc
	PEREZNicolas	Haines Company, Inc
	RENDON Emilla	Haines Company, Inc
	ROMERO Claudia	Haines Company, Inc
	SALAZAR Fraiemidad	Haines Company, Inc
2000	APARTMENTS CURIEL Patricio H	Haines & Company
	GARCIA Heraslio	Haines & Company
	LEON Serapio	Haines & Company
	MCDANIELS Joyce	Haines & Company

Year	Uses	Source
2000	MEDINA Martha Graciela	Haines & Company
	PITCHFORD Keisha	Haines & Company
	ROJASC Elena	Haines & Company
	WEATHERS Rick	Haines & Company
1976	Blue John W	Pacific Telephone
	Cordero Engracia	Pacific Telephone
	Frankovick Zvonimir	Pacific Telephone
	Kim Jin E	Pacific Telephone
	Rigsby Dennis R	Pacific Telephone
	Rock Lawrence	Pacific Telephone
	Stephens Walter	Pacific Telephone
1951	Clara Stone Judith r	Pacific Telephone & Telegraph Co.

Clara St

4628 Clara St

Year	Uses	Source
2014	4DS FABRICS	EDR Digital Archive
	SPOTLIGHT DANCE STUDIO	EDR Digital Archive
2010	4DS FABRICS	EDR Digital Archive

CLARA ST

4628 CLARA ST

Year	Uses	Source
2006	4DS FABRICS	Haines Company, Inc
	4D 0S FABRICS	Haines Company, Inc.
2000	GECSEK Miriam	Haines & Company
1976	Brickote Co	Pacific Telephone
1958	Wilbur Harry	Pacific Telephone
1951	Clara Mapes Jessie A r	Pacific Telephone & Telegraph Co.

Clara St

4635 Clara St

Year	Uses	Source
2014	MAIN STREET MANAGEMENT	EDR Digital Archive
2010	MAIN STREET MANAGEMENT	EDR Digital Archive

FINDINGS

CLARA ST

4635 CLARA ST

Year	*Uses*	*Source*
2006	APARTMENTS	Haines Company, Inc
	ATZ Gustavo Adolfo	Haines Company, Inc
	CABRERA Ortega	Haines Company, Inc
	Maric C	Haines Company, Inc
	CASTRO Eduardo CORONA Francisco	Haines Company, Inc
	DELACRUZAfredo	Haines Company, Inc
	FIGUEROA Helen GARCIA Teresa	Haines Company, Inc
	Deesus GOMEZAndres	Haines Company, Inc
	GOMEZ Martina	Haines Company, Inc
	GONZALEZFlgueroa	Haines Company, Inc
	GUTIERREZ Irineo	Haines Company, Inc
	HERNANDEZC	Haines Company, Inc
	JIMENEZMaria	Haines Company, Inc
	MAIN STREET	Haines Company, Inc
	MANAGEMENT	Haines Company, Inc
	MENGOZA Osiris	Haines Company, Inc
	PAEZGuadalupe	Haines Company, Inc
	RAMIREZ Bianca	Haines Company, Inc
	SERRANO Mario	Haines Company, Inc
	VASQUEZ Leonardo	Haines Company, Inc
	APARTMENTS ATZ Guslava Adolfo	Haines Company, Inc.
	CABRERA Ortega	Haines Company, Inc.
	Manc C	Haines Company, Inc.
	CASTRO Eduoardo	Haines Company, Inc.
	CORONA Francisco	Haines Company, Inc.
	DELACRUZ Alhedo	Haines Company, Inc.
	FIGUEROA Helen	Haines Company, Inc.
	GARCIA Teresa	Haines Company, Inc.
	Delesus wii Va GOMEZ Andres	Haines Company, Inc.
	GOMEZ Mart Ina	Haines Company, Inc.
	GONZALEZ Figueroa	Haines Company, Inc.
	GUTIERREZ nneo	Haines Company, Inc.
	HERNANDEZC	Haines Company, Inc.
	JIMENEZMana	Haines Company, Inc.
	MAIN STREET	Haines Company, Inc.

FINDINGS

Year	Uses	Source
2006	MANAGEMENT MENGOZAOsins	Haines Company, Inc.
	PAEZGuadalupe	Haines Company, Inc.
	RAMIREZ Blanca	Haines Company, Inc.
	SERRANO Mano	Haines Company, Inc.
	VASQUEZ Leonardo	Haines Company, Inc.
2000	APARTMENTS	Haines & Company
	ALCIVAR Josefa E	Haines & Company
	AVINA Rafugio	Haines & Company
	BAUTISTA Teresa	Haines & Company
	BELTON Randi S	Haines & Company
	FLORES Jorge E	Haines & Company
	GONZALEZ Saul	Haines & Company
	HERNANDEZ Cipriana	Haines & Company
	MUJICA Juan Carlos	Haines & Company
1976	Baldonado Jose R	Pacific Telephone
	Bliss Gene	Pacific Telephone
	Bobadilla Patricia	Pacific Telephone
	Furlong Gloria P	Pacific Telephone
	Garrett Maggie	Pacific Telephone
1958	Deming La Von	Pacific Telephone
1951	Clara St Bell Deming La Von r	Pacific Telephone & Telegraph Co.

Clara St

4636 Clara St

Year	Uses	Source
2010	GM TIRES	EDR Digital Archive
	NTMA TRAINING CENTERS	EDR Digital Archive

CLARA ST

4636 CLARA ST

Year	Uses	Source
2006	BARILLAS Victor	Haines Company, Inc
	ORTIZRIcardo	Haines Company, Inc
	MEMBRENO T	Haines Company, Inc
2000	ESCOBAR Norma	Haines & Company
1976	Crothers Alice	Pacific Telephone
1958	Huerta Joe R	Pacific Telephone

FINDINGS

Year	Uses	Source
1951	Clara Huerta Joe R r	Pacific Telephone & Telegraph Co.

4642 CLARA ST

Year	Uses	Source
1976	Bolin Dennis W	Pacific Telephone
1958	Hoffman Fred	Pacific Telephone
	Miller Elizabeth	Pacific Telephone

4644 CLARA ST

Year	Uses	Source
2006	APARTMENTS	Haines Company, Inc
	B CORNEJO Marta	Haines Company, Inc
	MELARA Marcela	Haines Company, Inc.
	MELARA Marcela	Haines Company, Inc.
	J MIGUEL Rosa	Haines Company, Inc.
	C MONCADAMancruz	Haines Company, Inc.
	a PEREZIran	Haines Company, Inc.
	PORRASMana	Haines Company, Inc.
	Concepcion	Haines Company, Inc.
	F SAQUIC Marco	Haines Company, Inc.
	SILVA David	Haines Company, Inc.
	A TEUTLIJesus	Haines Company, Inc.
	D 0 TORRES Juan	Haines Company, Inc.
	CRUZVictor	Haines Company, Inc
	H OEYNCHAUSTI Enrico	Haines Company, Inc
	GOMEZ Geovanni	Haines Company, Inc
	G JAUREGUI Bertha	Haines Company, Inc
	I MELARA Marcela	Haines Company, Inc
	a MELARAMarcela	Haines Company, Inc
	a MIGUEL Rosa	Haines Company, Inc
	C e MONCADA Madcruz	Haines Company, Inc
	PEREZ Iran s+6	Haines Company, Inc
	PORRAS Maria	Haines Company, Inc
	Concetlon	Haines Company, Inc
	Fa SAQUIC Marco	Haines Company, Inc
	e SILVA David	Haines Company, Inc
	TEUTLI Jesus	Haines Company, Inc
	D TORRES Juan	Haines Company, Inc
	APARTMENTS B a CORNEJO Mana	Haines Company, Inc.

FINDINGS

Year	Uses	Source
2006	CRUZVictor	Haines Company, Inc.
	GOMEZ Geovanni	Haines Company, Inc.
	G JAUREGUI Bertha	Haines Company, Inc.
2000	APARTMENTS CORNEJO Maria	Haines & Company
	VELAZQUEZ Martha	Haines & Company
	MIGUEL Rosa	Haines & Company
	GUERRERO Mireya	Haines & Company
	GARCIA Lidia	Haines & Company
	GALVAN Fernando M	Haines & Company
	DEYNCHAUSTI Enrico	Haines & Company
1958	Lucas Elizabeth B	Pacific Telephone
1951	Clara Recker La Verne F r	Pacific Telephone & Telegraph Co.

4646 CLARA ST

Year	Uses	Source
2000	XXXX	Haines & Company
1958	Thomas Estellas	Pacific Telephone
1951	Clara Thomas Estella r	Pacific Telephone & Telegraph Co.

4647 CLARA ST

Year	Uses	Source
2006	JMORALES Sergio	Haines Company, Inc
	MORALES Sergio F	Haines Company, Inc
	OLIVAS Jesus	Haines Company, Inc
	PEREZ Marilyn	Haines Company, Inc
	QUINTERO Claudia	Haines Company, Inc
	RAMIREZ Victor	Haines Company, Inc
	ZAPATEROR	Haines Company, Inc
	Femando	Haines Company, Inc
	APARTMENTS B BURGUENORosa M	Haines Company, Inc.
	ESTRADA Yolanda	Haines Company, Inc.
	GALVEZ Ofelia	Haines Company, Inc.
	GUERREROJesus	Haines Company, Inc.
	HERNANDEZ Mana	Haines Company, Inc.
	HERRERA Miguel	Haines Company, Inc.
	HOFFMAN Yvetle	Haines Company, Inc.
	LOPEZM	Haines Company, Inc.
	D MARROQUIN Fredy	Haines Company, Inc.
	J MORALES Sergio	Haines Company, Inc.

FINDINGS

Year	Uses	Source
2006	MORALES Sergio F	Haines Company, Inc.
	OLt VAS Jesus	Haines Company, Inc.
	PEREZ Marilyn	Haines Company, Inc.
	QUINTERO Claudia	Haines Company, Inc.
	RAMIREZVictor	Haines Company, Inc.
	ZAPATEROR	Haines Company, Inc.
	Femrnando	Haines Company, Inc.
	APARTMENTS	Haines Company, Inc
	BURGUENO Rosa M	Haines Company, Inc
	ESTRADAYolanda	Haines Company, Inc
	GALVEZ Ofella	Haines Company, Inc
	C GUERRERO Jesus	Haines Company, Inc
	HERNANDEZ Mada	Haines Company, Inc
	HERRERAMIguel	Haines Company, Inc
	HOFFMAN Yvette	Haines Company, Inc
	LOPEZ M	Haines Company, Inc
	MARROQUIN Fredy	Haines Company, Inc
2000	APARTMENTS HERRERA Miguel	Haines & Company
	MARTINEZ Y	Haines & Company
	MORALES Sergio	Haines & Company
	ORTIZ Anabel	Haines & Company
	RUBIO Elva Rosalba	Haines & Company
	SGALVEZ O	Haines & Company
	URBINA Manuel	Haines & Company
	URBINA Maricela	Haines & Company
1951	Clara Bell Bowman Al r	Pacific Telephone & Telegraph Co.

4648 CLARA ST

Year	Uses	Source
2000	XXXX	Haines & Company
1951	Clara Nathan Rudolph A r	Pacific Telephone & Telegraph Co.

4652 CLARA ST

Year	Uses	Source
2000	XXXX	Haines & Company

4653 CLARA ST

Year	Uses	Source
2000	XXXX	Haines & Company

FINDINGS

Year	Uses	Source
1976	Dominguez Edw G	Pacific Telephone

4654 CLARA ST

Year	Uses	Source
2006	BATES La	Haines Company, Inc
	BATES La	Haines Company, Inc.
2000	JOHNSON Blanch	Haines & Company
1976	Johnson Warren Mrs	Pacific Telephone
1958	Johnson Warren Mrs	Pacific Telephone
1951	Clara St Bell Coffey Noah E r	Pacific Telephone & Telegraph Co.

4655 CLARA ST

Year	Uses	Source
2000	CENTRO E	Haines & Company
1976	Forbus Pat	Pacific Telephone
	Forbus Lois	Pacific Telephone
1958	Collins Jess H	Pacific Telephone
1951	Clara St Bell Collins Theda r	Pacific Telephone & Telegraph Co.

4657 CLARA ST

Year	Uses	Source
2000	XXXX	Haines & Company

4659 CLARA ST

Year	Uses	Source
1976	Collins Jess H	Pacific Telephone

4660 CLARA ST

Year	Uses	Source
2006	6 APARTMENTS RUIZ Rbeca	Haines Company, Inc
	SALAZAR David 3D	Haines Company, Inc
	SANDOVALClaudia	Haines Company, Inc
	TORRES Norilda	Haines Company, Inc
	VARGAS Ricardo	Haines Company, Inc
	APARTMENTS RUIZRebeca	Haines Company, Inc.
	SALAZAR David 3D	Haines Company, Inc.
	SANDOVAL Claudia	Haines Company, Inc.
	TORRES Nonlda	Haines Company, Inc.
	VARGAS Ricardo	Haines Company, Inc.
2000	APARTMENTS GARCIA Angelica	Haines & Company

Year	Uses	Source
2000	GRANADO Jose L	Haines & Company
	RIVERA Mima Elizabeth	Haines & Company
	SALAZAR David 3D	Haines & Company
	SAYANO Kanji	Haines & Company
	VIDAL Glenda	Haines & Company
1976	Langarica Ramon	Pacific Telephone
	Ramos Luis	Pacific Telephone
	Rodriguez Orlando	Pacific Telephone
	White Wm C	Pacific Telephone
	Bernal Juanita	Pacific Telephone
	Gonzalez Miguel	Pacific Telephone

4661 CLARA ST

Year	Uses	Source
2000	PAULSON Paul	Haines & Company
1976	Paulson Paul D	Pacific Telephone
1958	Paulson Paul D	Pacific Telephone
1951	Clara Bell Paulson Paul D r	Pacific Telephone & Telegraph Co.

4662 CLARA ST

Year	Uses	Source
1958	Deen Albert H	Pacific Telephone
1951	Clara Deen Albert H r	Pacific Telephone & Telegraph Co.

4663 CLARA ST

Year	Uses	Source
2000	XXXX	Haines & Company
1976	Taylor Edw J Jr	Pacific Telephone
1958	Dunlap La Wana	Pacific Telephone
1951	Clara St Bell Saunders A F r	Pacific Telephone & Telegraph Co.

4664 CLARA ST

Year	Uses	Source
1976	Bell Full Gospel Assembly Of God	Pacific Telephone

Clara St

4665 Clara St

Year	Uses	Source
2014	CENTRO EVANGELISTICO EBENEZER	EDR Digital Archive

Year	Uses	Source
2010	CENTRO EVANGELISTICO EBENEZER	EDR Digital Archive

CLARA ST

4665 CLARA ST

Year	Uses	Source
2006	EVANGEUST 1 CO	Haines Company, Inc
	CENTRO	Haines Company, Inc
	EBENEZER	Haines Company, Inc
	CENTRO	Haines Company, Inc.
	EVANGELISTICO	Haines Company, Inc.
	EBENEZER	Haines Company, Inc.
2000	CENTRO EVANGELISTCO	Haines & Company

4666 CLARA ST

Year	Uses	Source
1951	Clara St Eddies Feed & Hatchery	Pacific Telephone & Telegraph Co.

4670 CLARA ST

Year	Uses	Source
1976	Torres Tony	Pacific Telephone
	Rodriguez David	Pacific Telephone
	Piper Liz	Pacific Telephone
	Iseli Michael	Pacific Telephone
	Iseli Mary	Pacific Telephone
	Hathaway Jim	Pacific Telephone
	Fasthorse Larry	Pacific Telephone
	Bates Frances	Pacific Telephone

4700 CLARA ST

Year	Uses	Source
1976	Barbee Mary	Pacific Telephone
	Godby Joann	Pacific Telephone
	Mitchell Jas O	Pacific Telephone
	Villalobos Gaspar	Pacific Telephone
	Kelley Ronald K	Pacific Telephone
	Perry Rita	Pacific Telephone
	Sibet Joan	Pacific Telephone
	Sibet Jolene	Pacific Telephone
	Vance Kathy	Pacific Telephone

Year	Uses	Source
1976	Han Young H	Pacific Telephone
1958	Brewer Jas	Pacific Telephone
1951	Clara Steward W T r	Pacific Telephone & Telegraph Co.

4703 CLARA ST

Year	Uses	Source
2006	SALGERO Olga	Haines Company, Inc
	A ESQUIVELAndres	Haines Company, Inc
	ALVARADO Rosa	Haines Company, Inc
	URIZARAlbertina	Haines Company, Inc
	A ESQUIVELAndres	Haines Company, Inc.
	SALGERO Olga	Haines Company, Inc.
	URIZAR Albertina	Haines Company, Inc.
	ALVARADORosa	Haines Company, Inc.
2000	MACIAS Carlos	Haines & Company
	CORNEJO Baltazar	Haines & Company
	CHANG Joseph	Haines & Company
1976	Enokido Yoshio	Pacific Telephone
1958	Robey F F	Pacific Telephone
1951	Clara Bell Robey F F r	Pacific Telephone & Telegraph Co.

4706 CLARA ST

Year	Uses	Source
1958	Steward W T	Pacific Telephone
1951	Clara Brownell Robt K r	Pacific Telephone & Telegraph Co.

4707 CLARA ST

Year	Uses	Source
2000	XXXX	Haines & Company
1958	Robey Arthur F	Pacific Telephone
1951	Clara Robey Arthur F r	Pacific Telephone & Telegraph Co.

4708 CLARA ST

Year	Uses	Source
1958	Munn John L	Pacific Telephone

4710 CLARA ST

Year	Uses	Source
1976	Norvell Edith	Pacific Telephone
1958	Mc Murtrey Donald H	Pacific Telephone

FINDINGS

Year	Uses	Source
1958	Carter Milburn	Pacific Telephone
1951	Clara St Bell Powers Willard Lloyd r	Pacific Telephone & Telegraph Co.

4711 CLARA ST

Year	Uses	Source
1976	Cannon Geo T	Pacific Telephone

4712 CLARA ST

Year	Uses	Source
1958	Grethen Edw Dean	Pacific Telephone

4713 CLARA ST

Year	Uses	Source
2000	XXXX	Haines & Company
1958	Yoshioka Isamu	Pacific Telephone
1951	Clara Bell Jones Jessie H r	Pacific Telephone & Telegraph Co.

4714 CLARA ST

Year	Uses	Source
1951	Clara St Bell Williams Chas L r	Pacific Telephone & Telegraph Co.

4715 CLARA ST

Year	Uses	Source
2000	XXXX	Haines & Company
1951	Clara St Bell Peterson Lyle W r	Pacific Telephone & Telegraph Co.

4716 CLARA ST

Year	Uses	Source
2000	XXXX	Haines & Company
1976	Norvell Ralph	Pacific Telephone
1958	Norvell Ralph	Pacific Telephone
1951	Clara Norvell Wm R r	Pacific Telephone & Telegraph Co.

4718 CLARA ST

Year	Uses	Source
1958	Blovett L S	Pacific Telephone
1951	Clara Vaughan B F Sr r	Pacific Telephone & Telegraph Co.

4719 CLARA ST

Year	Uses	Source
2006	HERNANDEZMary	Haines Company, Inc

FINDINGS

Year	Uses	Source
2006	HERNANDEZ Mary	Haines Company, Inc.
2000	LOPEZ Rosa	Haines & Company
1976	Kukura John	Pacific Telephone
	Peterson Sandra	Pacific Telephone
1958	Kukura Jack	Pacific Telephone
1951	Clara Kukura Jack r	Pacific Telephone & Telegraph Co.

4721 CLARA ST

Year	Uses	Source
2006	ANGUIANODelida	Haines Company, Inc.
	ALVA Mria Isabel	Haines Company, Inc
	ALVAMana Isabel	Haines Company, Inc.
	A ANGUIANODel Ida	Haines Company, Inc
2000	ALVA Maria Isabel	Haines & Company

4722 CLARA ST

Year	Uses	Source
1958	Wilson Andrew	Pacific Telephone
1951	Clara Wilson Andrew r	Pacific Telephone & Telegraph Co.

4723 CLARA ST

Year	Uses	Source
2006	MADERA Gladys	Haines Company, Inc.
	MADERA Gladys	Haines Company, Inc
2000	GONZALEZ Hilda A	Haines & Company
	MICHEL Blandina	Haines & Company
	SALINAS Raquel Mercedes	Haines & Company
1976	Hackley Aundrea	Pacific Telephone
1958	Sherard Pearl M Mrs	Pacific Telephone
1951	Clara Bell Sherard Pearl M Mrs r	Pacific Telephone & Telegraph Co.

4725 CLARA ST

Year	Uses	Source
2006	REYESM	Haines Company, Inc
	REYESM	Haines Company, Inc.

4726 CLARA ST

Year	Uses	Source
2000	XXXX	Haines & Company
1951	Clara Mullinax W T r	Pacific Telephone & Telegraph Co.

FINDINGS

4728 CLARA ST

Year	Uses	Source
2000	XXXX	Haines & Company

4729 CLARA ST

Year	Uses	Source
2006	a CHANG Grace C	Haines Company, Inc
	CHANG Grace C	Haines Company, Inc.
2000	a 1/2 CHANG	Haines & Company
	CLARA 90201 CONT	Haines & Company
	CHANG Grace C	Haines & Company
1976	Ritch Wynne A	Pacific Telephone
	Fernandez Antonio Rev	Pacific Telephone
1958	Murphy Loy R	Pacific Telephone
	Chesley Geo M	Pacific Telephone
1951	Clara St Bell Chesley Geo M r	Pacific Telephone & Telegraph Co.

4730 CLARA ST

Year	Uses	Source
1958	Gilligan Edwin	Pacific Telephone

4731 CLARA ST

Year	Uses	Source
2006	a SEALS Eari	Haines Company, Inc
	a SEALS Earl	Haines Company, Inc.
2000	SEALS Earl	Haines & Company

4733 CLARA ST

Year	Uses	Source
2006	RODRIGUEZGnselda	Haines Company, Inc.
	GONZALES Nicole	Haines Company, Inc.
	RODRIGUEZGriselda	Haines Company, Inc
	GONZALES Nicoie	Haines Company, Inc
2000	URBINA Mana Elvta	Haines & Company
	SEALS Earl	Haines & Company
	SANDOVAL A C	Haines & Company
	PENA Agustine	Haines & Company
	APARTMENTS AYAQUICA Oscar	Haines & Company
	GONZALEZ Juana Alicia	Haines & Company
1976	Medina Manuel	Pacific Telephone

FINDINGS

4734 CLARA ST

Year	Uses	Source
2000	XXXX	Haines & Company
1976	Klein Frank C	Pacific Telephone
1958	LOMBARD H POWER TOOLS	Pacific Telephone
1951	Clara Bell Lombard Harry E r	Pacific Telephone & Telegraph Co.

4735 CLARA ST

Year	Uses	Source
2006	TORRESAlba	Haines Company, Inc.
	TORRES Alba	Haines Company, Inc
2000	XXXX	Haines & Company
1976	Ogawa Takamatsu	Pacific Telephone
1958	Swink Ora	Pacific Telephone
	Doerr J P	Pacific Telephone

4736 CLARA ST

Year	Uses	Source
2000	XXXX	Haines & Company
1958	Viens Louis	Pacific Telephone
1951	Clara St Bell Weaver Irvin H	Pacific Telephone & Telegraph Co.

4739 CLARA ST

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc.
	No Current Listing	Haines Company, Inc
2000	RODELA Leonard	Haines & Company
	a 1/2 CARDENAS Ana Isabel	Haines & Company
1976	Herrin John E	Pacific Telephone
	Herrin Lewis	Pacific Telephone
1958	Gilligan Carrie	Pacific Telephone

4740 CLARA ST

Year	Uses	Source
2000	XXXX	Haines & Company
1976	Mc Cain H H	Pacific Telephone
1958	Johnson Carl	Pacific Telephone
1951	Clara Bell Johnson Carl r	Pacific Telephone & Telegraph Co.

FINDINGS

Clara St

4741 Clara St

Year	Uses	Source
2010	AMERICA ACTION DETAIL	EDR Digital Archive

CLARA ST

4741 CLARA ST

Year	Uses	Source
2006	COLLIS Jose A	Haines Company, Inc
	COLLISJose A	Haines Company, Inc.
1976	Inouye Sensho Rev	Pacific Telephone
	Miyamoto Eiji	Pacific Telephone

4743 CLARA ST

Year	Uses	Source
2006	SERRANO Mania	Haines Company, Inc
	SERRANOMana	Haines Company, Inc.
2000	SEALS Earl	Haines & Company
1958	Davids Backhoe Serv digging	Pacific Telephone
1951	Clara St Craig Lenora r	Pacific Telephone & Telegraph Co.

4749 CLARA ST

Year	Uses	Source
2000	XXXX	Haines & Company
1958	Fisher T J	Pacific Telephone
1951	Clara St Bell Fisher T J r	Pacific Telephone & Telegraph Co.

4751 CLARA ST

Year	Uses	Source
1958	Stevens A W	Pacific Telephone
1951	Clara St Stevens A W	Pacific Telephone & Telegraph Co.

4800 CLARA ST

Year	Uses	Source
1958	Ford Gordon C	Pacific Telephone
1951	Clara Floyd A W r	Pacific Telephone & Telegraph Co.

FINDINGS

4801 CLARA ST

Year	Uses	Source
1976	Ramos Larry D	Pacific Telephone
	Jackson Larry	Pacific Telephone
1958	Hudsons Hatchery	Pacific Telephone
	Hudson Hatchery	Pacific Telephone
	Obtinario Tiburcio	Pacific Telephone
1951	Clara Bell Hudsons Hatchery	Pacific Telephone & Telegraph Co.

4804 CLARA ST

Year	Uses	Source
1958	Clara Mkt	Pacific Telephone

4805 CLARA ST

Year	Uses	Source
2006	CLARA PK COMMONS	Haines Company, Inc
	BALL Marina	Haines Company, Inc
	BARRERAM Maria	Haines Company, Inc
	BRADEN John	Haines Company, Inc
	BUSTAMANTEAlberto	Haines Company, Inc
	CARBAJAL Rose	Haines Company, Inc
	CLARA PARK	Haines Company, Inc
	COMMONS FOR	Haines Company, Inc
	SENIORS	Haines Company, Inc
	FLORES Elena	Haines Company, Inc
	GONZALEZ Luis Jose	Haines Company, Inc
	HERNANDEZPor Rrio	Haines Company, Inc
	KIM So	Haines Company, Inc
	LEEJoo Hul	Haines Company, Inc
	MATAJose	Haines Company, Inc
	MICHELRUELAS	Haines Company, Inc
	Florendo	Haines Company, Inc
	ONTIVEROS R	Haines Company, Inc
	RAUMAKERME	Haines Company, Inc
	RODRIGUEZ M	Haines Company, Inc
	RUIZ Jose	Haines Company, Inc
	RUIZ Samuel	Haines Company, Inc
	SEGURA Gladys	Haines Company, Inc
	WILSON Margaret B	Haines Company, Inc
	CLARA PK COMMONS	Haines Company, Inc.

FINDINGS

Year	Uses	Source
2000	CLARA PK COMMONS CLARA PK COMMONS	Haines & Company
	GARCIA Maria	Haines & Company
	GUERRERO	Haines & Company
	HERNANDEZ Porfino	Haines & Company
	KIM Young Jae	Haines & Company
	LEE Joo Hui	Haines & Company
	LEE Mae J	Haines & Company
	LEE Tae Soon	Haines & Company
	MELENDY Jack	Haines & Company
	NARAGON Fay	Haines & Company
	PADILLA Carmen	Haines & Company
	RAMIREZ Samuel	Haines & Company
	RAUMAKER M E	Haines & Company
	WILLIAMS George E	Haines & Company
	WILSON Margaret B	Haines & Company
1976	Iglosias Sonia	Pacific Telephone

4806 CLARA ST

Year	Uses	Source
1958	Leidy Frank	Pacific Telephone

4808 CLARA ST

Year	Uses	Source
1958	Riddle Frank	Pacific Telephone

4811 CLARA ST

Year	Uses	Source
1958	Martin Glass	Pacific Telephone

4812 CLARA ST

Year	Uses	Source
1958	Parrish Wm R	Pacific Telephone
1951	Clara Yozsa Chas r	Pacific Telephone & Telegraph Co.

4813 CLARA ST

Year	Uses	Source
1958	Miller Edw M	Pacific Telephone

FINDINGS

4814 CLARA ST

Year	Uses	Source
1951	Clara Howcroft Joyce r	Pacific Telephone & Telegraph Co.

4816 CLARA ST

Year	Uses	Source
1958	Schneider Catharine	Pacific Telephone

4817 CLARA ST

Year	Uses	Source
1958	Westerman Johnnie	Pacific Telephone

4818 CLARA ST

Year	Uses	Source
1951	Clara St Bell Croft Geo r	Pacific Telephone & Telegraph Co.

4819 CLARA ST

Year	Uses	Source
1958	Hayden Richard D	Pacific Telephone

4820 CLARA ST

Year	Uses	Source
1958	Landis Clarence H	Pacific Telephone
1951	Clara Landis Clarence H r	Pacific Telephone & Telegraph Co.

4823 CLARA ST

Year	Uses	Source
1958	Badalians Poultry Ranch	Pacific Telephone
	Badalian Ernest Badalians Poultry Ranch	Pacific Telephone
1951	Clara Rickmans Poultry Ranch	Pacific Telephone & Telegraph Co.
	Clara Rickman John r	Pacific Telephone & Telegraph Co.

4834 CLARA ST

Year	Uses	Source
1958	Thomas F M	Pacific Telephone
1951	Clara Bell Thomas F M r	Pacific Telephone & Telegraph Co.

ELIZABETH

4631 ELIZABETH

Year	Uses	Source
1990	BELLAH DEBBIE CDHY	Pacific Bell

FINDINGS

Year	Uses	Source
1990	DEUEL DORIS JEAN CDHY	Pacific Bell
	EDNOFF N CDHY	Pacific Bell
	FAHNSTOCK ARTHUR M CDHY	Pacific Bell
	HILLS DAWLEY M MRS CDHY	Pacific Bell
	HILL THELMA CDHY	Pacific Bell
	GELDER WALT CDHY	Pacific Bell
	LANKFORD J R CDHY	Pacific Bell
	RAMSEY M F CDHY	Pacific Bell
1986	ADAM ANDREW J CDHY	Pacific Bell
	ALVAREZ CENA M CDHY	Pacific Bell
	DEUEL DORIS JEAN CDHY	Pacific Bell
	EDNOFF N CDHY	Pacific Bell
	FAHNSTOCK ARTHUR M CDHY	Pacific Bell
	FREEMAN WESLEY D CDHY	Pacific Bell
	KRIMMEL ERWIN CDHY	Pacific Bell
	RAMSEY M E CDHY	Pacific Bell
1981	BOBES JOHN CDHY	Pacific Telephone
	DEUEL DORIS JEAN CDHY	Pacific Telephone
	GLAZE WAYNE H CDHY	Pacific Telephone
	GOFORTH THOS L CDHY	Pacific Telephone
	RAMSEY MOREY MRS CDHY	Pacific Telephone
	SIMMONS CHARLEY Q CDHY	Pacific Telephone
	SMITH HAROLD L & VIOLA CDHY	Pacific Telephone
	WESTOVER JOHN B CDHY	Pacific Telephone
1962	Hill Gertrude W	Pacific Telephone
	Hill H D	Pacific Telephone
	Kingston Bernard L	Pacific Telephone

4640 ELIZABETH

Year	Uses	Source
1986	SULLIVAN JOE CDHY	Pacific Bell
1981	SULLIVAN JOE CDHY	Pacific Telephone
1967	Evans Billy Joe	Pacific Telephone

4642 ELIZABETH

Year	Uses	Source
1990	GOODWIN JOHN H CDHY	Pacific Bell

FINDINGS

4644 ELIZABETH

Year	Uses	Source
1990	POWERS JUDITH CDHY	Pacific Bell

4704 ELIZABETH

Year	Uses	Source
1990	SMITH F MC COY CDHY	Pacific Bell
	SMITH OLIVIA CDHY	Pacific Bell

4708 ELIZABETH

Year	Uses	Source
1990	PARROTT DONALD D CDHY	Pacific Bell
1986	PARROTT DONALD D CDHY	Pacific Bell
1967	Rhyme Fred E Rainbow Mealworms	Pacific Telephone

4718 ELIZABETH

Year	Uses	Source
1981	HEYWOOD JAS L MRS CDHY	Pacific Telephone
	MAHAN CHARLEY W CDHY	Pacific Telephone

4722 ELIZABETH

Year	Uses	Source
1981	GIL FELIX & MARIA CDHY	Pacific Telephone

4724 ELIZABETH

Year	Uses	Source
1986	ELLIS MILDRED CDHY	Pacific Bell
1981	CDHY	Pacific Telephone

4730 ELIZABETH

Year	Uses	Source
1990	ROMAN SOCORRO CORDERO CDHY	Pacific Bell
	CONSTANTINO ARAZELY CDHY	Pacific Bell
	LOPEZ DALIA M CDHY	Pacific Bell
1981	ROXANNE CDHY	Pacific Telephone

4734 ELIZABETH

Year	Uses	Source
1990	MORENO SOILA ROSA CDHY	Pacific Bell
	CORDERO ROSARIO CDHY	Pacific Bell
	CHACON CELIA CDHY	Pacific Bell
	SALAIS ROBERTO EDUARDO CDHY	Pacific Bell

FINDINGS

4740 ELIZABETH

Year	Uses	Source
1990	GAMEZ SONIA CDHY	Pacific Bell
	MARTINEZ CARLOS CDHY	Pacific Bell
	AGUIRRE R M CDHY	Pacific Bell

4742 ELIZABETH

Year	Uses	Source
1986	VARGAS RENE CDHY	Pacific Bell
1981	HYRAN CDHY	Pacific Telephone

4746 ELIZABETH

Year	Uses	Source
1990	JI S MKT CDHY	Pacific Bell

4752 ELIZABETH

Year	Uses	Source
1981	GONZALEZ V A CDHY	Pacific Telephone

4640 1/2 ELIZABETH

Year	Uses	Source
1990	ONTIVEROS GUADALUPE CDHY	Pacific Bell
1981	FOITAG CAROL L CDHY	Pacific Telephone

4642 1/2 ELIZABETH

Year	Uses	Source
1990	CORONA-MARTINEZ ROSALBA CDHY	Pacific Bell
1981	CORONA MARTINEZ ROSALBA CDHY	Pacific Telephone

4644 3/4 ELIZABETH

Year	Uses	Source
1990	POWER HERBERT CDHY	Pacific Bell

4700 1/2 ELIZABETH

Year	Uses	Source
1981	OJEDA FRANCISCA V CDHY	Pacific Telephone

4716 1/2 ELIZABETH

Year	Uses	Source
1981	DOMINGUEZ GILBERT CDHY	Pacific Telephone

FINDINGS

4716 3/4 ELIZABETH

Year	Uses	Source
1990	LARA ADOLFO CDHY	Pacific Bell

4718 1/2 ELIZABETH

Year	Uses	Source
1981	ROBLES ALFREDO CDHY	Pacific Telephone

4726 1/2 ELIZABETH

Year	Uses	Source
1990	CLEVENGER MARSHALL K CDHY	Pacific Bell

4726 1/4 ELIZABETH

Year	Uses	Source
1986	CLEVENGER MARSHALL K CDHY	Pacific Bell

4742 1/2 ELIZABETH

Year	Uses	Source
1990	AZURDIA MANUEL CDHY	Pacific Bell

4744 1/4 ELIZABETH

Year	Uses	Source
1981	JENKINS DONALD E CDHY	Pacific Telephone

4748 1/2 ELIZABETH

Year	Uses	Source
1981	ELIZONDO JESUS CDHY	Pacific Telephone

4754 1/2 ELIZABETH

Year	Uses	Source
1990	SAMANIEGO MANUEL CDHY	Pacific Bell

4756 1/2 ELIZABETH

Year	Uses	Source
1981	WINE MAX H CDHY	Pacific Telephone

Elizabeth St

4619 Elizabeth St

Year	Uses	Source
2014	UNITED STATES POSTAL SERVICE	EDR Digital Archive
2010	UNITED STATES POSTAL SERVICE	EDR Digital Archive

FINDINGS

ELIZABETH ST

4619 ELIZABETH ST

Year	Uses	Source
2000	XXXX	Haines & Company
1976	UNITED STATES GOVERNMENT POSTAL SERVICE	Pacific Telephone
	Other Post Offices Bellss Cudahy Stn	Pacific Telephone
1958	Hazelton R M	Pacific Telephone

Elizabeth St

4631 Elizabeth St

Year	Uses	Source
2010	E AND C BEAUTY SALOW	EDR Digital Archive

ELIZABETH ST

4631 ELIZABETH ST

Year	Uses	Source
2006	EDGAR Daniel 323 M	Haines Company, Inc
	Calzadilla	Haines Company, Inc
	GELDER Waft	Haines Company, Inc
	GOMEZJose	Haines Company, Inc
	MARTINEZ Maria De	Haines Company, Inc
	Jesus	Haines Company, Inc
	MIRANDA Rit	Haines Company, Inc
	MUNGUIA AHbns 323 771 5375e	Haines Company, Inc
	VAl ENZUELA JDos	Haines Company, Inc
	GREEN LANTERNS PK BERNALJose	Haines Company, Inc.
	CALDERON Leicia	Haines Company, Inc.
	EDGAR Daniel	Haines Company, Inc.
	Calzadilla GELDER Wall	Haines Company, Inc.
	GOMEZ Jose	Haines Company, Inc.
	MARTINEZ Mana De	Haines Company, Inc.
	Jesus MIRANDA Rilta	Haines Company, Inc.
	MUNGUIAAlfonso	Haines Company, Inc.
	VALENZUELAJose	Haines Company, Inc.
	GREEN LANTERNS PK	Haines Company, Inc
	BERNAL Jose	Haines Company, Inc
	CALDERON Le Bcia	Haines Company, Inc

FINDINGS

Year	Uses	Source
2000	GREEN LANTERNS PK FAHNSTOCK Arthur M	Haines & Company
	GELDER Walt	Haines & Company
	OSORIO Francisca	Haines & Company
	RAMSEY M E	Haines & Company
	SANCHEZ Eduardo	Haines & Company
1976	Bobes John	Pacific Telephone
	Bryant Harmon	Pacific Telephone
	Castamore Marilyn	Pacific Telephone
	Glaze Wayne H	Pacific Telephone
	Massie Harold E	Pacific Telephone
	Mellberg Harlan	Pacific Telephone
	Miller Mary E	Pacific Telephone
	Westover John B	Pacific Telephone
1958	Prewitt R W	Pacific Telephone

4638 ELIZABETH ST

Year	Uses	Source
2006	MANSILLA Jorge	Haines Company, Inc
	a MANSILLAJorge	Haines Company, Inc.
2000	MANSILLA Jorge	Haines & Company
1958	Nunn John F	Pacific Telephone

4639 ELIZABETH ST

Year	Uses	Source
1958	Fuller Ralph	Pacific Telephone

4640 ELIZABETH ST

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc.
	No Current Listing	Haines Company, Inc
2000	SULLIVAN Joe	Haines & Company

Elizabeth St

4642 Elizabeth St

Year	Uses	Source
2010	MINI MARKET	EDR Digital Archive

FINDINGS

ELIZABETH ST

4642 ELIZABETH ST

Year	Uses	Source
2006	o PEARCEDebbie	Haines Company, Inc.
	a PEARCE Debbie	Haines Company, Inc
2000	PEARCE Debbie	Haines & Company
1976	Vasquez Theresa	Pacific Telephone
	Freitas Richard	Pacific Telephone

4644 ELIZABETH ST

Year	Uses	Source
2006	QUINTANA Irene	Haines Company, Inc.
	a QUINTANA Irane	Haines Company, Inc
2000	XXXX	Haines & Company
1958	Taylor David L	Pacific Telephone

4700 ELIZABETH ST

Year	Uses	Source
2000	XXXX	Haines & Company
1976	Hazlett Jas J	Pacific Telephone

4702 ELIZABETH ST

Year	Uses	Source
2000	XXXX	Haines & Company
1958	Smith F Mc Coy	Pacific Telephone
1951	Elizabth Walsh M J r	Pacific Telephone & Telegraph Co.

4704 ELIZABETH ST

Year	Uses	Source
2006	STAFFORD Sue	Haines Company, Inc
	STAFFORD Sue	Haines Company, Inc.
2000	SMITH F Mc Coy	Haines & Company
	SMITH Olivia	Haines & Company
1976	Smith F Mc Coy	Pacific Telephone
	Smith Olivia	Pacific Telephone

4708 ELIZABETH ST

Year	Uses	Source
2006	a PARROTT Donald D	Haines Company, Inc.
	PARROTT Donald D	Haines Company, Inc

FINDINGS

Year	Uses	Source
2000	PARROTT Donald D	Haines & Company
1976	Parrott Donald D	Pacific Telephone
1951	Elizabth Capitol Plumbng	Pacific Telephone & Telegraph Co.

4709 ELIZABETH ST

Year	Uses	Source
1958	Hocking C D	Pacific Telephone
	Tilroe Welcome A	Pacific Telephone
1951	Elizabth Tilroe Welcome A r	Pacific Telephone & Telegraph Co.

4710 ELIZABETH ST

Year	Uses	Source
2000	XXXX	Haines & Company
1976	Duran Trinidad	Pacific Telephone
1958	Gallatin Robt	Pacific Telephone
	Dyer Eugene	Pacific Telephone
	Thomas Wm	Pacific Telephone
1951	Elizabth Bell Chenard Frenchy r	Pacific Telephone & Telegraph Co.

4714 ELIZABETH ST

Year	Uses	Source
1958	Parry J P	Pacific Telephone

4716 ELIZABETH ST

Year	Uses	Source
2006	LARAAdolfo	Haines Company, Inc.
	GARCIA Robedt 323 M	Haines Company, Inc
	LARA Ao Ko	Haines Company, Inc
	GARCIA Roberl	Haines Company, Inc.
2000	SANDOVAL Carlos	Haines & Company
	LARA Adolfo	Haines & Company
1976	Del Rio Eva	Pacific Telephone
	Alvarado Maria De La Luz	Pacific Telephone
1958	Hood Eldon	Pacific Telephone
	Hood Barbara	Pacific Telephone

4718 ELIZABETH ST

Year	Uses	Source
2006	MARTINEZ Mano C	Haines Company, Inc.
	MARTINEZ 7 Mano C	Haines Company, Inc

FINDINGS

Year	Uses	Source
1976	Heywood Jas L Mrs	Pacific Telephone
	Mahan Charley W	Pacific Telephone
1958	Mahan Charley W	Pacific Telephone
	Heywood Jas L Mrs	Pacific Telephone
1951	Elizabth Bell Heywood Jas L Mrs r	Pacific Telephone & Telegraph Co.
	Elizabth Bell Mahan Charley W r	Pacific Telephone & Telegraph Co.

4719 ELIZABETH ST

Year	Uses	Source
1951	Elizabth Bell Logan J L Jr r	Pacific Telephone & Telegraph Co.

4720 ELIZABETH ST

Year	Uses	Source
2006	MENCHACA Alma	Haines Company, Inc
	ROMERO Maria	Haines Company, Inc
	/ RAMOS Daniel	Haines Company, Inc
	MENCHACAAlma	Haines Company, Inc.
	ROMERO Maria	Haines Company, Inc.
	/v 1 RAMOS Daniel	Haines Company, Inc.
2000	CHARLES Neles	Haines & Company
1976	Cossio Alejo	Pacific Telephone
1958	Untch Fred M	Pacific Telephone
1951	Elizabth Bell Untch Fred M r	Pacific Telephone & Telegraph Co.

4722 ELIZABETH ST

Year	Uses	Source
2006	TORIBIO Manuel	Haines Company, Inc.
	/s TORIBIO Manuel	Haines Company, Inc
2000	XXXX	Haines & Company

4724 ELIZABETH ST

Year	Uses	Source
2000	XXXX	Haines & Company
1976	Garcia Roger	Pacific Telephone

4726 ELIZABETH ST

Year	Uses	Source
2006	MENCHACA Rudolfo	Haines Company, Inc.
1976	Cain Paul S	Pacific Telephone
	Carril Rafael A	Pacific Telephone

FINDINGS

4728 ELIZABETH ST

Year	Uses	Source
2006	ROSALES Sandra	Haines Company, Inc.
	o MENCHACARudolfo	Haines Company, Inc
	ROSALES Sandfa	Haines Company, Inc
2000	a 1/2 BELTRAN Maria	Haines & Company

4730 ELIZABETH ST

Year	Uses	Source
2006	APARTMENTS	Haines Company, Inc
	ARRIOJA Eulogio	Haines Company, Inc
	CARRETO Haron	Haines Company, Inc
	GARCIA Arturo	Haines Company, Inc
	GUTIERREZ Marcela	Haines Company, Inc
	JIMENEZ Daisy	Haines Company, Inc
	MORALES Jose S 323a 5607833	Haines Company, Inc
	RODRIGUEZ Jose	Haines Company, Inc
	SILVA Rosa Ulia	Haines Company, Inc
	TELLES Ricardo	Haines Company, Inc
	APARTMENTS ARRIOJA Eulogio	Haines Company, Inc.
	CARRETOHaron	Haines Company, Inc.
	GARCIA Arturo	Haines Company, Inc.
	GUTIERREZ Marcela	Haines Company, Inc.
	JIMENEZ Daisy	Haines Company, Inc.
	MORALESJose S	Haines Company, Inc.
	RODRIGUEZ Jose	Haines Company, Inc.
	Luis SILVARosa lia	Haines Company, Inc.
	TELLES Ricardo	Haines Company, Inc.
2000	BALBUENA Topele Luaura J	Haines & Company
	CRUZ Ricardo Jr	Haines & Company
	VARELA Ofelia VELA Felipe	Haines & Company
1976	Alfaro Julio F	Pacific Telephone
	Carranza Maria Eugenia	Pacific Telephone
	Miller Enedina	Pacific Telephone
1958	Lahr Ovide E	Pacific Telephone
	Monkarsh Harry M	Pacific Telephone
	Ried Georgia	Pacific Telephone
1951	Elizabth Phillips Leona M r	Pacific Telephone & Telegraph Co.
	Elizabth Tarrants Thos A r	Pacific Telephone & Telegraph Co.

FINDINGS

4734 ELIZABETH ST

Year	Uses	Source
2006	APARTMENTS	Haines Company, Inc
	BOJORQUEZDamlan	Haines Company, Inc
	CRUZ Jose	Haines Company, Inc
	HERRERA Carolina	Haines Company, Inc
	MIRANDAAJain	Haines Company, Inc
	MUNOZ Bertha	Haines Company, Inc
	ORTIZ Esmeralds	Haines Company, Inc
	ORTIZ Esmreralda	Haines Company, Inc
	APARTMENTS BOJORQUEZOamian	Haines Company, Inc.
	CRUZ Jose	Haines Company, Inc.
	HERRERA Carolina	Haines Company, Inc.
	MIRANDA Alain	Haines Company, Inc.
	MUNOZBertha	Haines Company, Inc.
	ORTZ Esmeralda	Haines Company, Inc.
	ORTIZ Esmeralda	Haines Company, Inc.
2000	DELAROSA Jorge	Haines & Company
	DELCASTILO Celina	Haines & Company
1976	Lang Ruth V Mrs	Pacific Telephone
1958	Bartelt Elmer L	Pacific Telephone
	Bartelt Roberta P	Pacific Telephone
	Cameron A R	Pacific Telephone
	Youngs Nancy	Pacific Telephone
	Youngs Robt B	Pacific Telephone

4740 ELIZABETH ST

Year	Uses	Source
2006	REYES Jose	Haines Company, Inc
	APARTMENTS AGUILAR Leticia	Haines Company, Inc.
	ALFARO Ulber	Haines Company, Inc.
	BERNACarnrillo	Haines Company, Inc.
	GONZALEZ L	Haines Company, Inc.
	MATAJavier	Haines Company, Inc.
	REYES Jose	Haines Company, Inc.
	ALFARO Ulber BERNA Carrillo	Haines Company, Inc
	MATAJavie	Haines Company, Inc
	GONZALEZ L	Haines Company, Inc
	AGUILAR Ler Icia	Haines Company, Inc
	APARTMENTS	Haines Company, Inc

FINDINGS

Year	Uses	Source
2000	GARCIA Silviano	Haines & Company
	GARCIA G A	Haines & Company
	ACEITUNO Judith	Haines & Company
1976	Chayrez Humberto	Pacific Telephone
	Cordova Filemon	Pacific Telephone
1958	Crandell G L	Pacific Telephone
	Derevjanik Geo	Pacific Telephone
	Skidmore A	Pacific Telephone

4742 ELIZABETH ST

Year	Uses	Source
2006	BARAJAS Isabel	Haines Company, Inc.
	BARAJAS Isabel	Haines Company, Inc
2000	a 1/2 CHITAY Ana Mana	Haines & Company
	YOUNG Hwan	Haines & Company
1976	Hutchison Anna	Pacific Telephone
1958	Mc Gowan Henry	Pacific Telephone
1951	Elizabth McGowan Henry r	Pacific Telephone & Telegraph Co.

4744 ELIZABETH ST

Year	Uses	Source
2006	GALDAMEZSantos	Haines Company, Inc.
	GALDAMEZ Santos	Haines Company, Inc
	QUITENOAlberto	Haines Company, Inc
	QUITENOAlberto	Haines Company, Inc.
2000	XXXX	Haines & Company
1976	Choi Byung Kook	Pacific Telephone

4746 ELIZABETH ST

Year	Uses	Source
2000	XXXX	Haines & Company
1976	Guidos Mkt	Pacific Telephone
1958	Pettits Mkt	Pacific Telephone
1951	Elizabth Ackermans Mkt	Pacific Telephone & Telegraph Co.

4748 ELIZABETH ST

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc
	No Current Listing	Haines Company, Inc.
2000	BERISHA J Gjon	Haines & Company

Year	Uses	Source
1958	Hymers John	Pacific Telephone
1951	Elizabth Hymers John r	Pacific Telephone & Telegraph Co.

4752 ELIZABETH ST

Year	Uses	Source
2000	XXXX	Haines & Company
1976	Chambers Steven W	Pacific Telephone

4754 ELIZABETH ST

Year	Uses	Source
2006	ARGUETAJose	Haines Company, Inc.
	ARGUETA Jose	Haines Company, Inc
1976	Rodriguez Raymond	Pacific Telephone
	Meneses Pedro	Pacific Telephone

S ATLANTIC AVE

7700 S ATLANTIC AVE

Year	Uses	Source
1986	EGAR CAR WASH CDHY	Pacific Bell
1971	Langdon Realty	Pacific Telephone
	Williams R D	Pacific Telephone
	Evans Robt P atty	Pacific Telephone
	Atlantic Lock & Key Shop	Pacific Telephone

7722 S ATLANTIC AVE

Year	Uses	Source
1990	A & A MOBILE HOME PARK	Pacific Bell
	DAVIS CECELIA CDHY	Pacific Bell
	FREEZR THOS C CDHY	Pacific Bell
	GOGIEY M CDHY	Pacific Bell
	GONZALES FABIOLA CDHY	Pacific Bell
	GOURLEY ETTA F CDHY	Pacific Bell
	LAMB FRANCES B CDHY	Pacific Bell
	LUA JOSE SALVADOR CDHY	Pacific Bell
	PEREGRINA ALEJANDRO CDHY	Pacific Bell
	RICCIO VICTOR CDHY	Pacific Bell
	TAYLOR M J CDHY	Pacific Bell
	THICKITT F CDHY	Pacific Bell
1986	DAVIS CECELLA CDHY	Pacific Bell

FINDINGS

Year	Uses	Source
1986	DOUGLAS EVA P CDHY	Pacific Bell
	FREEZR THOS C CDHY	Pacific Bell
	GOGLEY M CDHY	Pacific Bell
	GOURLEY ETTA F CDHY	Pacific Bell
	HUMMEL JACK G CDHY	Pacific Bell
	LAMB FRANCES B CDHY	Pacific Bell
	RICCIO VICTOR CDHY	Pacific Bell
	TAYLOR M J CDHY	Pacific Bell
	THICKITT F CDHY	Pacific Bell
	A & A MOBILE HOME PARK CDHY	Pacific Bell
1981	BOUCHEY H J CDHY	Pacific Telephone
	DAVIS CECELIA CDHY	Pacific Telephone
	DOUGLAS TROY B CDHY	Pacific Telephone
	FREEZR THOS C CDHY	Pacific Telephone
	GOGLEY M CDHY	Pacific Telephone
	GOURLEY ETTA P CDHY	Pacific Telephone
	LAMB FRANCES B CDHY	Pacific Telephone
	REUTER BUD CDHY	Pacific Telephone
	RICCIO VICTOR CDHY	Pacific Telephone
	SIMMONS NELLIE MAY CDHY	Pacific Telephone
	TAYLOR E LOUISE CDHY	Pacific Telephone
	THICKITT F CDHY	Pacific Telephone
	A & A MOBILE HOME PARK CDHY	Pacific Telephone
1976	A & A Mobile Home Park	Pacific Telephone
	Buss Dorothy	Pacific Telephone
	Davis Cecelia	Pacific Telephone
	Gogley M	Pacific Telephone
	Grace Eva L	Pacific Telephone
	Lamb Frances B	Pacific Telephone
	Lo Alfred C	Pacific Telephone
	Mallon Virgil G	Pacific Telephone
	Overheu Orrie Mrs	Pacific Telephone
	Reuter Bud	Pacific Telephone
	Riccio Victor	Pacific Telephone
	Simmons Nellie May	Pacific Telephone
	Wolfgram L E	Pacific Telephone
1971	Mc Connell Harry O Mrs	Pacific Telephone
	Mills Juanita	Pacific Telephone

FINDINGS

Year	Uses	Source
1971	Overheu Orrie Mrs	Pacific Telephone
	Reuter Bud	Pacific Telephone
	Riccio Victor	Pacific Telephone
	Roberts Jas C	Pacific Telephone
	Shamblin Jack	Pacific Telephone
	A & A Mobile Home Park	Pacific Telephone
	Abdou Jos	Pacific Telephone
	Cook Stanley V	Pacific Telephone
	Davis Cecelia	Pacific Telephone
	Gogley M	Pacific Telephone
	Grace Eva L	Pacific Telephone
1967	Smith Wm R	Pacific Telephone
1962	Jinkens Geo E	Pacific Telephone
	Shively Belle	Pacific Telephone

7736 S ATLANTIC AVE

Year	Uses	Source
1990	CUDAHY MOTEL CDHY	Pacific Bell
	PATEL JYOTSNA CDHY	Pacific Bell
1986	PATEL JYOTSNA CDHY	Pacific Bell
	CUDAHY MOTEL CDHY	Pacific Bell
1981	PATEL JYOTSNA CDHY	Pacific Telephone
	CUDAHY MOTEL CDHY	Pacific Telephone
1971	Cudahy Motel	Pacific Telephone
	Bogema Harold	Pacific Telephone

7801 S ATLANTIC AVE

Year	Uses	Source
1986	SEARS ROEBUCK AND CO APPLIANCE REPAIR SERVICE & PARTS DEPT	Pacific Bell
	SEARS ROEBUCK AND CO APPLIANCE REPAIR SERVICE & PARTS DEPT	Pacific Bell
1976	Los Angeles Cudahy	Pacific Telephone
	SEARS ROEBUCK SERVICE & PARTS DEPTS Appliance & Television Service Centers	Pacific Telephone
1971	Service Center	Pacific Telephone
	Repair Parts	Pacific Telephone
	Service Center	Pacific Telephone

FINDINGS

7814 S ATLANTIC AVE

Year	Uses	Source
1990	BERNAL RONALD CDHY	Pacific Bell
	BAHENA ROSENDO CDHY	Pacific Bell
	BERNAL MERCEDES CDHY	Pacific Bell
1986	BECK LOUISE CDHY	Pacific Bell
	BOYER RICHARD CDHY	Pacific Bell
	BUCHANAN R E CDHY	Pacific Bell
	CANCINO JAIME CDHY	Pacific Bell
	COZENS A CDHY	Pacific Bell
	HESLIN RICHARD F CDHY	Pacific Bell
	MCKINESS LEONA A CDHY	Pacific Bell
1981	GAULDEN V CDHY	Pacific Telephone
	GOEN EARL CDHY	Pacific Telephone
	HUMPHRIES CHILTON CDHY	Pacific Telephone
	MCLAIN WARNER CDHY	Pacific Telephone
	MERCADO JOEL CDHY	Pacific Telephone
	COZENS A CDHY	Pacific Telephone
	BECK LOUISE CDHY	Pacific Telephone
	BENNETT SAM G CDHY	Pacific Telephone
	CALLEJAS JUANA R CDHY	Pacific Telephone
1971	Cozens A	Pacific Telephone
	Burlin Mabel	Pacific Telephone
	Beck Louise	Pacific Telephone
	Dannenberg Elmer J	Pacific Telephone
	De Bruhl Jennie Lee	Pacific Telephone
	Fagg Russell O	Pacific Telephone
	Hall Jas C	Pacific Telephone
	Herrin Claude B	Pacific Telephone
	Jenson Oscar W	Pacific Telephone

7842 S ATLANTIC AVE

Year	Uses	Source
1990	U-HAUL CO CENTERS	Pacific Bell
	U HAUL CENTER OF ATLANTIC AVE CDHY	Pacific Bell
1981	U-HAUL CO MOVING CENTERS	Pacific Telephone
	U-HAUL MOVING CENTER OF ATLANTIC AVE CDHY	Pacific Telephone

FINDINGS

7900 S ATLANTIC AVE

Year	***Uses***	***Source***
1990	BURGER KING CDHY	Pacific Bell
1981	ROCKVIEW DAIRY CDHY	Pacific Telephone
1971	Jims Texaco	Pacific Telephone

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
4811 Elizabeth St.	2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
4613 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4615 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4619 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4619 ELIZABETH ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4619 Elizabeth St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4622 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4622 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
4625 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4625 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4625 Clara St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4628 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4628 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4628 Clara St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4631 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4631 ELIZABETH ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4631 Elizabeth St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4635 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4635 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
4635 Clara St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4636 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4636 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4636 Clara St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4638 ELIZABETH ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4639 ELIZABETH ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4640 1/2 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4640 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4640 ELIZABETH ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4642 1/2 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4642 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
4642 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4642 ELIZABETH ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4642 Elizabeth St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4644 3/4 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4644 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4644 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4644 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4644 ELIZABETH ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4646 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4647 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4647 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
4648 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4648 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4652 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4653 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4654 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4654 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4655 1/2 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4655 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4655 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4657 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4657 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
4659 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4659 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4660 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4660 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4661 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4661 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4662 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4663 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4663 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4664 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4665 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
4665 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4665 Clara St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4666 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4670 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4670 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4700 1/2 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4700 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4700 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4700 ELIZABETH ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4702 ELIZABETH ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4703 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
4703 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4704 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4704 ELIZABETH ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4706 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4707 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4707 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4708 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4708 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4708 ELIZABETH ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4709 ELIZABETH ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4710 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
4710 ELIZABETH ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4711 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4712 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4712 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4713 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4714 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4714 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4714 ELIZABETH ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4715 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4715 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4716 1/2 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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4716 3/4 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4716 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4716 ELIZABETH ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4718 1/2 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4718 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4718 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4718 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4718 ELIZABETH ST	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4719 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4719 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4719 ELIZABETH ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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4720 ELIZABETH ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4721 1/2 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4721 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4721 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4722 1/4 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4722 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4722 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4722 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4722 ELIZABETH ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4723 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4724 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
4724 ELIZABETH ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4725 CLARA ST	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4726 1/2 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4726 1/4 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4726 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4726 ELIZABETH ST	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4728 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4728 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4728 ELIZABETH ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4729 1/2 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4729 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
4729 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4730 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4730 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4730 ELIZABETH ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4731 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4731 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4733 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4733 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4734 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4734 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4734 ELIZABETH ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
4735 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4735 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4736 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4736 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4737 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4739 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4739 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4740 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4740 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4740 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4740 ELIZABETH ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
4741 1/2 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4741 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4741 CLARA ST	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4741 Clara St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4742 1/2 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4742 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4742 ELIZABETH ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4743 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4743 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4744 1/4 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4744 ELIZABETH ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
4746 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4746 ELIZABETH ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4748 1/2 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4748 ELIZABETH ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4749 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4749 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4751 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4751 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4752 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4752 ELIZABETH ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4754 1/2 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
4754 ELIZABETH ST	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4756 1/2 ELIZABETH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4800 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4800 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4801 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4801 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4804 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4805 CLARA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4805 CLARA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4806 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4808 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
4811 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4812 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4813 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4814 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4816 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4817 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4818 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4819 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4820 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4823 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4834 CLARA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
7700 S ATLANTIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7720 ATLANTIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7722 Atlantic Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7722 ATLANTIC AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7722 S ATLANTIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7736 ATLANTIC AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7736 Atlantic Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7736 S ATLANTIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7738 ATLANTIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7801 ATLANTIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7801 S ATLANTIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
7806 ATLANTIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7808 ATLANTIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7810 ATLANTIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7814 ATLANTIC AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7814 Atlantic Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7814 S ATLANTIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7815 ATLANTIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7825 ATLANTIC AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7830 ATLANTIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7842 ATLANTIC AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7842 S ATLANTIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
7900 ATLANTIC AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7900 S ATLANTIC AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Appendix E
Local Government Agency Records

INSPECTION REPORT

Los Angeles County Fire Department - Health Hazardous Materials Division
Certified Unified Program Agency - Participating Agency
Central District Office
5825 Rickenbacker Road,
Commerce, CA 90040
Telephone: (323) 890-4107 / Fax: (323) 724-5976
www.fire.lacounty.gov/hhmd

Business: ELIZABETH LEARNING CENTER			**Inspection Date:** 07/13/2016
Address: 4811 ELIZABETH ST	**City/State:** CUDAHY CA 90201		**Telephone:** (323) 271-3600
Owner: LOS ANGELES UNIFIED SCHOOL DISTRICT		**Email:** GRETA.GALOUSTIAN@LAUSD.NET	
FA #: FA0045008	**PR:** PR0102451	**Program Element:** HW GEN, 3-5 EMPLOYEES	**Inspection Type:** ROUTINE INSPECTION

☒ - No violations observed at the time of inspection.

☐ - NOTICE TO COMPLY/NOTICE OF VIOLATION.

OUT = Out of Compliance COS = Corrected on Site RPT = Repeat Violation

OVERALL INSPECTION COMMENTS

Consent Given By:
Irish Isaac

Attention: Non-compliance could result in re-inspection fees, permit revocation, and/or administrative/civil/criminal penalties. A re-inspection may occur at any time to verify compliance. Any time granted for correction of the violation(s) does not preclude any enforcement action by this Department or other agencies.

It is improper and illegal for any County officer, employee or inspector to solicit bribes, gifts, or gratuities in connection with performing their official duties. Improper solicitations include requests for anything of value such as cash, discounts, free services, paid travel or entertainment, or tangible items such as food or beverages. Any attempt by a County employee to solicit bribes, gifts or gratuities for any reason should be reported immediately to either the County manager responsible for supervising the employee or the Fraud hotline at (800) 544-6861 or www.lacountyfraud.org. YOU MAY REMAIN ANONYMOUS.

Signatures

Irish Isaac
Environ Safety Officer

Chris Chang
Hazardous Materials Specialist II

PREVIOUS INSPECTIONS

Activity Date	PE	Rercord ID	Serial No.	Group Code	Service	Result	Action	Activity Min	Travel Min	Inspector ID
07/13/2016	1001	PR0102451	DAIQRIIJW	RUBW-1LWC	001	01	00	60	30	EE0000179
07/13/2016	3001	PR0102452	DAJSD88BE	RUBW-1LWC	001	01	00	30	0	EE0000179

Los Angeles County Fire Department - Health Hazardous Materials Division
Certified Unified Program Agency - Participating Agency
Central District Office
5825 Rickenbacker Road,
Commerce, CA 90040
Telephone: (323) 890-4107 / Fax: (323) 724-5976
www.fire.lacounty.gov/hhmd

Business:	**FA #:**	**Date:**
ELIZABETH LEARNING CENTER	FA0045008	07/13/2016

OUT = Out of Compliance COS = Corrected on Site RPT = Repeat Violation

VIOLATIONS LIST

Open	Activity Date	Program Element	Viol Status	Service	Result	Action	Violation Degree	Comply on Date	Description

LOG SHEET

INSPECTOR FIELD NOTES

DBA: Elizabeth Learning Center
ADDRESS: 4811 Elizabeth St., Cudahy
FA: FA0045008
DATE: July 13, 2016

Consent, Irish Isaac
Facility is an elementary to high school age LAUSD campus.
HM is 1x55 gal drum gasoline, 1x55 gal drum diesel inside a fuel bunker.
HW is waste from student labs and maintenance. PBR waste transfer documents reviewed. Universal waste, lamps, is stored in the boiler room.
CERS submittals updated.

INSPECTION REPORT

Los Angeles County Fire Department - Health Hazardous Materials Division
Certified Unified Program Agency - Participating Agency
Central District Office
5825 Rickenbacker Road,
Commerce, CA 90040
Telephone: (323) 890-4107 / Fax: (323) 724-5976
www.fire.lacounty.gov/hhmd

Business: ELIZABETH LEARNING CENTER			**Inspection Date:** 07/13/2016
Address: 4811 ELIZABETH ST	**City/State:** CUDAHY CA 90201		**Telephone:** (323) 271-3600
Owner: LOS ANGELES UNIFIED SCHOOL DISTRICT		**Email:** GRETA.GALOUSTIAN@LAUSD.NET	
FA #: FA0045008	**PR:** PR0102452	**Program Element:** HM HANDLER, FEE GROUP 01	**Inspection Type:** ROUTINE INSPECTION

☒ - No violations observed at the time of inspection.

☐ - NOTICE TO COMPLY/NOTICE OF VIOLATION.

OUT = Out of Compliance COS = Corrected on Site RPT = Repeat Violation

OVERALL INSPECTION COMMENTS

Consent Given By:
Irish Isaac

Attention: Non-compliance could result in re-inspection fees, permit revocation, and/or administrative/civil/criminal penalties. A re-inspection may occur at any time to verify compliance. Any time granted for correction of the violation(s) does not preclude any enforcement action by this Department or other agencies.

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Signatures

Chris Chang
Hazardous Materials Specialist II

PREVIOUS INSPECTIONS

Activity Date	PE	Rercord ID	Serial No.	Group Code	Service	Result	Action	Activity Min	Travel Min	Inspector ID
07/13/2016	1001	PR0102451	DAIQRIIJW	RUBW-1LWC	001	01	00	60	30	EE0000179
07/13/2016	3001	PR0102452	DAJSD88BE	RUBW-1LWC	001	01	00	30	0	EE0000179

Los Angeles County Fire Department - Health Hazardous Materials Division
Certified Unified Program Agency - Participating Agency
Central District Office
5825 Rickenbacker Road,
Commerce, CA 90040
Telephone: (323) 890-4107 / Fax: (323) 724-5976
www.fire.lacounty.gov/hhmd

Business:	**FA #:**	**Date:**
ELIZABETH LEARNING CENTER	FA0045008	07/13/2016

OUT = Out of Compliance COS = Corrected on Site RPT = Repeat Violation

VIOLATIONS LIST

Open	Activity Date	Program Element	Viol Status	Service	Result	Action	Violation Degree	Comply on Date	Description

LOG SHEET

INSPECTOR FIELD NOTES

INSPECTION REPORT

Los Angeles County Fire Department - Health Hazardous Materials Division
Certified Unified Program Agency - Participating Agency
Central District Office
5825 Rickenbacker Road,
Commerce, CA 90040
Telephone: (323) 890-4107 / Fax: (323) 724-5976
www.fire.lacounty.gov/hhmd

Business: ELIZABETH LEARNING CENTER		**Inspection Date:** 07/13/2016
Address: 4811 ELIZABETH ST	**City/State:** CUDAHY CA 90201	**Telephone:** (323) 271-3600
Owner: LOS ANGELES UNIFIED SCHOOL DISTRICT	**Email:** GRETA.GALOUSTIAN@LAUSD.NET	
FA #: FA0045008	**Multi-program Inspection #:** RUBW-1LWC	**Inspection Type:** ROUTINE INSPECTION

☐ - NOTICE TO COMPLY/NOTICE OF VIOLATION.

OUT = Out of Compliance COS = Corrected on Site RPT = Repeat Violation

Checklist: HW SQG
Checklist: HM

PROGRAM ELEMENT: HAZARDOUS WASTE GENERATOR

RECORD ID: PR0102451

INSPECTED BY: CHRIS CHANG

OVERALL INSPECTION COMMENTS

Consent Given By:
Irish Isaac

PROGRAM ELEMENT: HAZARDOUS MATERIALS HANDLER

RECORD ID: PR0102452

INSPECTED BY: CHRIS CHANG

OVERALL INSPECTION COMMENTS

Consent Given By:
Irish Isaac

Attention: Non-compliance could result in re-inspection fees, permit revocation, and/or administrative/civil/criminal penalties. A re-inspection may occur at any time to verify compliance. Any time granted for correction of the violation(s) does not preclude any enforcement action by this Department or other agencies.

It is improper and illegal for any County officer, employee or inspector to solicit bribes, gifts, or gratuities in connection with performing their official duties. Improper solicitations include requests for anything of value such as cash, discounts, free services, paid travel or entertainment, or tangible items such as food or beverages. Any attempt by a County employee to solicit bribes, gifts or gratuities for any reason should be reported immediately to either the County manager responsible for supervising the employee or the Fraud hotline at (800) 544-6861 or www.lacountyfraud.org. YOU MAY REMAIN ANONYMOUS.

Los Angeles County Fire Department - Health Hazardous Materials Division
Certified Unified Program Agency - Participating Agency
Central District Office
5825 Rickenbacker Road,
Commerce, CA 90040
Telephone: (323) 890-4107 / Fax: (323) 724-5976
www.fire.lacounty.gov/hhmd

Business:	**FA #:**	**Date:**
ELIZABETH LEARNING CENTER	FA0045008	07/13/2016

OUT = Out of Compliance COS = Corrected on Site RPT = Repeat Violation

Signatures

Irish Isaac
Environ Safety Officer

Chris Chang
Hazardous Materials Specialist II

PREVIOUS INSPECTIONS

Activity Date	PE	Rercord ID	Serial No.	Group Code	Service	Result	Action	Activity Min	Travel Min	Inspector ID
07/13/2016	1001	PR0102451	DAIQRIIJW	RUBW-1LWC	001	01	00	60	30	EE0000179
07/13/2016	3001	PR0102452	DAJSD88BE	RUBW-1LWC	001	01	00	30	0	EE0000179

VIOLATIONS LIST

Open	Activity Date	Program Element	Viol Status	Service	Result	Action	Violation Degree	Comply on Date	Description

LOG SHEET

INSPECTOR FIELD NOTES

DBA: Elizabeth Learning Center
ADDRESS: 4811 Elizabeth St., Cudahy
FA: FA0045008
DATE: July 13, 2016

Consent, Irish Isaac
Facility is an elementary to high school age LAUSD campus.
HM is 1x55 gal drum gasoline, 1x55 gal drum diesel inside a fuel bunker.
HW is waste from student labs and maintenance. PBR waste transfer documents reviewed. Universal waste, lamps, is stored in the boiler room.
CERS submittals updated.

Cert. # 47845

Los Angeles Unified School District

Office of Environmental Health and Safety

RAMON C. CORTINES
Superintendent of Schools

WENDY MACY
Chief Operating Officer

JOHN STERRITT
Director

October 18, 2010

Los Angeles County Fire Department
Health Hazardous Materials Division
Data Operations Unit
5825 Rickenbacker Road
Commerce, CA 90040

SUBJECT: SUBMITTAL OF CONSOLIDATED CONTINGENCY PLAN FOR ELIZABETH LEARNING CENTER

The Los Angeles Unified School District would like to submit a Consolidated Contingency Plan for the following site:

Facility Name: Elizabeth Learning Center
Street Address: 4811 Elizabeth Street
City, State Zip: Cudahy, CA 90201

This plan is for the reporting year 2010. If you have any questions, please contact me at (213) 241-3199.

Sincerely,

Graciela Merchan

c. Soe Aung, Environmental Health Supervisor
Sharon Sweet, Elizabeth Learning Center

Enclosure(s):

Received
OCT 29 2010
HHMD - Data Ops

333 S. Beaudry Avenue, 27th Floor, Los Angeles, CA 90017 - Telephone (213) 241-3199 - Fax (213) 241-6816

UNIFIED PROGRAM (UP) FORM
BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	1	EPA ID # (Hazardous Waste Only)	2
		CAR000193862	

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) 3

Elizabeth Learning Center

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page.

Does your facility...		If Yes, please complete these pages of the UP FORM....
A. HAZARDOUS MATERIALS		
Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☑ Yes ☐ No 4	→HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION →CONSOLIDATED CONTINGENCY PLAN (Section I and Site Map(s)) →TRAINING PLAN
B. UNDERGROUND STORAGE TANKS (USTs)		
1. Own or operate underground storage tanks?	☐ Yes ☑ No 5	→UST FACILITY →UST TANK (one page per tank)
2. Intend to upgrade existing or install new USTs?	☐ Yes ☑ No 6	→UST FACILITY →UST TANK (one per tank) →UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank)
3. Need to report closing a UST?	☐ Yes ☑ No 7	→UST TANK (closure portion –one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	☐ Yes ☑ No 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE		
1. Generate hazardous waste?	☑ Yes ☐ No 9	→EPA ID NUMBER – provide at the top of this page. →As a generator, answer YES to Item E2b and complete Waste Generator Form.
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	☐ Yes ☑ No 10	→RECYCLABLE MATERIALS REPORT
3. Treat hazardous waste on site?	☐ Yes ☑ No 11	→ONSITE HAZARDOUS WASTE TREATMENT – FACILITY →ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ Yes ☑ No 12	→CERTIFICATION OF FINANCIAL ASSURANCE
5. Consolidate hazardous waste generated at a remote site?	☐ Yes ☑ No 13	→REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ Yes ☑ No 14	→HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
E. LOCAL REQUIREMENTS		15
1. REGULATED SUBSTANCES		
Have Regulated Substances (RS) stored on site at greater than the threshold quantities established by the California Accidental Release Program (Cal ARP) ?	☐ Yes ☑ No 15a	In addition to Hazardous Materials requirements, complete: →Regulated Substance Registration →Risk Management Plan (when required)
2. OTHER REQUIREMENTS		
a. Have hazardous materials stored on site at or above a threshold amount established by a CUPA's or PA's local ordinance?	☐ Yes ☑ No 15b	→Consult local CUPA or PA for added reporting requirements.
b. Required by a CUPA or PA to provide other information?	☑ Yes ☐ No 15c	→Waste Generator Form (LA County)

OFFICIAL USE ONLY	UP Form	HW	HM	ARP	AST	UST	TP	CUPA	PA

UNIFIED PROGRAM (UP) FORM
BUSINESS OWNER/OPERATOR IDENTIFICATION

☐ NEW BUSINESS ☐ OUT OF BUSINESS ☑ REVISE/UPDATE (EFFECTIVE) PAGE OF

I. IDENTIFICATION

FACILITY ID# 1		BEGINNING DATE 100: 1/1/2010	ENDING DATE 101: 12/31/2010
BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3: Elizabeth Learning Center		BUSINESS PHONE 102	
BUSINESS SITE ADDRESS 103: 4811 Elizabeth Street			
CITY 104: Cudahy	CA	ZIP CODE 105: 90201	
DUN & BRADSTREET 106: N/A		SIC CODE (4 digit #) 107: 8211	
COUNTY 108: Los Angeles		UNINCORPORATED 133a.: No	
BUSINESS OPERATOR NAME 109: Los Angeles Unified School District		BUSINESS OPERATOR PHONE 110: (213) 241-3199	

II. BUSINESS OWNER

OWNER NAME 111: Los Angeles Unified School District		OWNER PHONE 112: (213) 241-3199
OWNER MAILING ADDRESS 113: 333 S. Beaudry Avenue, 27th Floor		
CITY 114: Los Angeles	STATE 115: CA	ZIP CODE 116: 90017

III. ENVIRONMENTAL CONTACT

CONTACT NAME 117: Soe Aung		CONTACT PHONE 118: (213) 241-3199
CONTACT MAILING ADDRESS 119: 333 S. Beaudry Avenue, 27th Floor		
CITY 120: Los Angeles	STATE 121: CA	ZIP CODE 122: 90017

IV. EMERGENCY CONTACTS

-PRIMARY-	-SECONDARY-
NAME 123: Sharon Sweet	NAME 128: Lisa Davis
TITLE 124: Principal	TITLE 129: Assistant Principal
BUSINESS PHONE 125: (323) 271-3600	BUSINESS PHONE 130: (323) 271-3600
24-HOUR PHONE 126: (213) 625-6631	24-HOUR PHONE 131: (213) 625-6631
PAGER # 127	PAGER # 132

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V. ADDITIONAL LOCALLY COLLECTED INFORMATION

NUMBER OF EMPLOYEES 133b: 3	FEDERAL TAX IDENTIFICATION NUMBER 133c: 95-6001908

MAILING/ BILLING INFORMATION

ADDRESS 133d	CITY 133e	STATE 133f	ZIP CODE 133g
333 S. Beaudry Avenue, 27th Floor	Los Angeles	CA	90017

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE: Sharon Sweet	DATE 134: 9/28/2010	NAME OF DOCUMENT PREPARER 135: Graciela Merchan
NAME OF SIGNER (print) 136: Sharon Sweet	TITLE OF SIGNER 137: Principal	

OFFICIAL USE ONLY	UP Form	HW	HM	ARP	AST	UST	TP	CUPA	PA

INSPECTOR	DISTRICT	DATE OF INSPECTION	DIVISION	BATTALION	STATION

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

COVER PAGE

FACILITY IDENTIFICATION					
BUSINESS NAME **Elizabeth Learning Center**				3	FACILITY ID # 1
SITE ADDRESS **4811 Elizabeth Street**	103	CITY **Cudahy**	104	ZIP CODE **90201**	105

The Consolidated Contingency Plan provides businesses a format to comply with the emergency planning requirements of the following three written hazardous materials emergency response plans required in California:

- ◁ Hazardous Materials Business Plan (HSC Chapter 6.95 Section 25504 (b) and 19 CCR Sections 2729-2732),
- ◁ Hazardous Waste Generator Contingency Plan (22 CCR Section 66264.52), and,
- ◁ Underground Storage Tank Emergency Response Plan and Monitoring Program (23 CCR Sections 2632 and 2641).

This format is designed to reduce duplication in the preparation and use of emergency response plans at the same facility, and to improve the coordination between facility response personnel and local, state and federal emergency responders during an emergency. Use the chart below to determine which sections of the Consolidated Contingency Plan need to be completed for your facility. If you are unsure as to which programs your facility is subject to, refer to the Business Activities Page.

PROGRAMS	SECTION(S) TO BE COMPLETED
Hazardous Materials Business Plan (HMBP)	Cover Page, Section I, and Site Map(s)
Hazardous Waste Generator (HWG)	Cover Page, Section I, and Site Map(s)
Underground Storage Tank (UST)	Cover Page, Sections I and II, and Site Map(s)
HMBP, HWG, UST	Cover Page, Sections I and II, and Site Map(s)

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A copy of the plan shall be submitted to your local CUPA and at least one copy of the plan shall be maintained at the facility for use in the event of an emergency and for inspection by the local agency. Describe below where a copy of your Contingency Plan, including the hazardous material inventories and Site Map(s), is located at your business:

Main Office

PLAN CERTIFICATION

I certify under penalty of law that I have personally examined and I am familiar with the information provided by this plan and to the best of my knowledge the information is accurate, complete, and true.

Printed Name of Owner/ Operator	Title of Owner/Operator
Sharon Sweet	**Principal**
Signature of Owner/ Operator Sharon Sweet	Date **9/28/2010**

We appreciate the effort of local businesses in completing these plans and will assist in every possible way. If you have any questions, please contact your local CUPA or PA.

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

I. FACILITY IDENTIFICATION

BUSINESS NAME			FACILITY ID #
Elizabeth Learning Center	3		1
SITE ADDRESS	**CITY**		**ZIP CODE**
4811 Elizabeth Street 103	Cudahy 104		90201 105

II. EMERGENCY CONTACTS

PRIMARY		SECONDARY	
NAME	123	NAME	128
Sharon Sweet		Lisa Davis	
TITLE	124	TITLE	129
Principal		Assistant Principal	
BUSINESS PHONE	125	BUSINESS PHONE	130
(323) 271-3600		(323) 271-3600	
24-HOUR PHONE	126	24-HOUR PHONE	131
(213) 625-6631		(213) 625-6631	
PAGER #	127	PAGER #	132

III. EMERGENCY RESPONSE PLANS AND PROCEDURES

A. Notifications

Your business is required by State Law to provide an immediate verbal report of any release or threatened release of a hazardous material to local fire emergency response personnel, this Unified Program Agency (CUPA or PA), and the Office of Emergency Services. If you have a release or threatened release of hazardous materials, immediately call:

FIRE/PARAMEDICS/POLICE/SHERIFF
PHONE: 911

AFTER the local emergency response personnel are notified, you shall then notify this Unified Program Agency and the Office of Emergency Services.

Local Unified Program Agency: (323) 890-4317
State Office of Emergency Service: (800) 852-7550 or (916) 262-1621
National Response Center: (800) 424-8802

Information to be provided during Notification:

- ◁ Your Name and the Telephone Number from where you are calling.
- ◁ Exact address of the release or threatened release.
- ◁ Date, time, cause, and type of incident (e.g. fire, air release, spill etc.)
- ◁ Material and quantity of the release, to the extent known.
- ◁ Current condition of the facility.
- ◁ Extent of injuries, if any.
- ◁ Possible hazards to public health and/ or the environment outside of the facility.

B. Emergency Medical Facility

List the local emergency medical facility that will be used by your business in the event of an accident or injury caused by a release or threatened release of hazardous material

HOSPITAL/CLINIC:	PHONE NO:
St. Francis Medical Center	(800) 900-6652
ADDRESS: 3630 E. Imperial Hwy	
CITY: Lynwood	ZIP CODE: 90262

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

C. Private Emergency Response

DOES YOUR BUSINESS HAVE A PRIVATE ON-SITE EMERGENCY RESPONSE TEAM? ☐ Yes ☑ No

If yes, provide an attachment that describes what policies and procedures your business will follow to notify your on-site emergency response team in the event of a release or threatened release of hazardous materials.

CLEANUP/DISPOSAL CONTRACTOR

List the contractor that will provide cleanup services in the event of a release.

NAME OF CONTRACTOR:	PHONE NO:
Ecology Control Industries	**(310) 354-9999**
ADDRESS: **19500 Normandie Avenue**	
CITY: **Torrance, CA**	ZIP CODE: **90501**

D. Arrangements With Emergency Responders

If you have made special (i.e. contractual) arrangements with any police department, fire department, hospital, contractor, or State or local emergency response team to coordinate emergency services, describe those arrangements on the lines below:

All LAUSD schools are served by the School District Police Department. In addition, they are supported by the District's Office of Environmental Health and Safety that has an Emergency Response team that is trained and licensed to oversee hazardous material clean-up.

E. Evacuation Plan

1. The following alarm signal(s) will be used to begin evacuation of the facility *(check all which apply)*:

☑ Verbal ☑ Telephone *(including cellular)* ☑ Alarm System ☑ Public Address System ☑ Intercom
☐ Pagers ☑ Portable Radio ☐ Other *(specify):*

2. ☑ Evacuation map is prominently displayed throughout the facility. **Yes. In the Safe School Plan**

3. ☑ Individual(s) responsible for coordinating evacuation including spreading the alarm and confirming the business has been evacuated: **All Administrative Staff, Certificated and Classified Staff - See Safe School Plan, Volume 2**

F. Earthquake Vulnerability

Identify areas of the facility where releases could occur or would require immediate inspection or isolation because of the vulnerability to earthquake related ground motion.

☑ Hazardous Waste/ Hazardous Materials Storage Areas ☐ Production Floor ☐ Process Lines
☐ Bench/ Lab ☐ Waste Treatment ☐ Other:

Identify mechanical systems where releases could occur or would require immediate inspection or isolation because of the vulnerability to earthquake related ground motion.

☑ Utilities ☑ Sprinkler Systems ☑ Cabinets ☑ Shelves
☐ Racks ☑ Pressure Vessels ☐ Gas Cylinders ☐ Tanks
☐ Process Piping ☑ Shutoff Valves ☐ Other:

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

G. Emergency Procedures

Briefly describe your business standard operating procedures in the event of a release or threatened release of hazardous materials:

1. **PREVENTION** (prevent the hazard) - Describe the kinds of hazards associated with the hazardous materials present at your facility. What actions would your business take to prevent these hazards from occurring? You may include a discussion of safety and storage procedures.

All Los Angeles City schools are limited to a small number of approved chemicals that are allowed on campus. Chemistry classes are encouraged to use "Micro Chemistry" to reduce the quantity of chemicals being used and stored on campus. Schools are not allowed to store or use any kinds of herbicides or pesticides for weed or pest management.

Gasoline drums shall be stored inside a locked flammable liquid storage room (i.e. gasoline bunker or block house) and shall be posted with 'No Smoking' and 'Flammable Liquid' signs outside the room. Gasoline drums shall be grounded with wire at all times. Diesel drums shall also be kept inside the flammable liquid storage room. 'No Smoking' and ' Combustible Liquid' signs shall be posted for diesel drums. Welding process shall not be conducted nearby this room. It is strongly suggested to store minimal quantity and to use secondary containment system for these drums.

Compressed gas cylinders shall be chained at all times. A compressed gas sign shall be posted on the cylinder(s) or by the cylinder(s). Waste oil and waste anti-freeze drums shall be kept inside the secondary containment system and affixed with completed hazardous waste labels

2. **MITIGATION** (reduce the hazard) - Describe what is done to lessen the harm or the damage to person(s), property, or the environment, and prevent what has occurred from getting worse or spreading. What is your immediate response to a leak, spill, fire, explosion, or airborne release at your business?

All Los Angeles City School personnel receive annual training on chemical safety. In addition, specific classes of employees receive additional training on chemical use and safety. At least once a year the schools are inspected by a School Safety Officer and chemical supplies are inspected. Outdated and unauthorized chemicals are removed.

3. **ABATEMENT** (remove the hazard) - Describe what you would do to stop and remove the hazard. How do you handle the complete process of stopping a release, cleaning up, and disposing of released materials at your facility?

All Los Angeles City Schools follow specific directions found in Safe School Plan, Volume 2 - Emergency Procedures. If a substance is released the students are evacuated to a safe zone, the release area is isolated and access is restricted. The School will call the Office of Environmental Health and Safety and their Emergency Reponse Team will work with local responders and district contractors to abate the condition.

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

IV. Emergency Equipment

22 CCR, Section 66265.52(e) [as referenced by Section 66262.34(a)(3)] requires that emergency equipment at the facility be listed. Completion of the following Emergency Equipment Inventory Table meets this requirement.

1. Equipment Category	2. Equipment Type	3. Location *	4. Description**
Personal Protective, Equipment, Safety Equipment, and First Aid Equipment	☐ Cartridge Respirators		
	☐ Chemical Monitoring Equipment *(describe)*		
	☑ Chemical Protective Aprons/Coats	F-7	Science Class
	☑ Chemical Protective Boots	E-10;H-6;H-10	RUBBER BOOTS (PM office, supply trailer)
	☑ Chemical Protective Gloves	E-10;A-6;H-6;H-1	LATEX,NITRILE,RUBBER(PM,ER.Bin,trailer,nurse,scien
	☑ Chemical Protective Suits *(describe)*	I-1;E-8	TYVEK (Emergency Bin)
	☑ Face Shields	A-6;H-6;H-10	PLASTIC (E.R.Bin, supply trailer)
	☑ First Aid Kits/Stations *(describe)*	A-6;H-6;H-10;C-1	STANDARD (ER Bin, supply trailer, Nurses office)
	☑ Hard Hats	A-6	STANDARD PLASTIC (emergency trailer)
	☑ Plumbed Eye Wash Stations	F-7(403;405)	Science classrooms
	☑ Portable Eye Wash Kits *(i.e. bottle type)*	F-7 (ROOM 407)	Science classrooms
	☐ Respirator Cartridges *(describe)*		
	☑ Safety Glasses/Splash Goggles	A-6; F-7	STANDARD PLASTIC (E.R. Bin, Science class)
	☑ Safety Showers	F-7 (ROOM 403;4	Science class (Room 403, 405)
	☐ Self-Contained Breathing Apparatuses (SCBA)		
	☑ Other *(describe)*	G-11 (MAIN OFFI	DEFRIBRILATOR (Main office)
Fire Extinguishing Systems	☑ Automatic Fire Sptinkler Systems	THROUGHOUT	
	☑ Fire Alarm Boxes/Stations	THROUGHOUT	
	☑ Fire Extinguisher Systems *(describe)*	THROUGHOUT	
	☐ Other *(describe)*		
Spill Control Equipment and Decontamination Equipment	☑ Absorbents (describe)	A-6;G-10	SAW DUST (Emergency bin, supply trailer)
	☐ Berms/Dikes (describe)		
	☐ Decontamination Equipment (describe)		
	☐ Emergency Tanks (describe)		
	☑ Exhaust Hoods	F-7	Room 403, Cafeteria
	☐ Gas Cylinders Leak Repair Kits (describe)		
	☐ Neutralizers (describe)		
	☐ Overpack Drums		
	☐ Sumps (describe)		
	☐ Other (describe)		
Communications and Alarm Systems	☐ Chemical Alarms (describe)		
	☑ Intercoms/ PA Systems	THROUGHOUT	
	☑ Portable Radios	THROUGHOUT	
	☑ Telephones	THROUGHOUT	
	☐ Underground Tank Leak Detection Monitors		
	☐ Other (describe)		
Additional Equipment (Use Additional Pages if Needed.)			

**Use the Location Codes (LC) from the Site Map(s) prepared for your Contingency Plan.*

***Describe the equipment and its capabilities. If applicable, specify any testing/maintenance procedures/intervals. Attach additional pages, numbered appropriately, if needed.*

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SITE MAP

A site plan and storage map must be included with your Contingency Plan. For relatively small facilities, these documents may be combined into one drawing. Since these drawings are intended for use in emergency response situations, larger facilities *(generally those with complex and/or multiple buildings)* should provide an overall site plan and a separate storage map for each building/storage area. A blank Facility Site Map has been provided on the reverse side of this page. You may complete that page or attach any other drawing(s) which contain(s) the information required below.

1. **Site Plan:** This drawing shall contain, at a minimum, the following information:

   a. Site Orientation (north, south, etc.);
   b. Approximate scale *(e.g. "1 inch = 10 feet".)*;
   c. Date the map was drawn;
   d. Locations of all buildings and other structures;
   e. Parking lots and internal roads;
   f. Hazardous materials loading/unloading areas;
   g. Outside hazardous materials storage or use areas;
   h. Storm drain and sanitary sewer drain inlets;
   i. Wells for monitoring of underground tank systems;
   j. Primary and alternate evacuation routes, emergency exits, and primary and alternate staging areas;
   k. Adjacent property use;
   l. Locations and names of adjacent streets and alleys;
   m. Access and egress points and roads.

2. **Storage Map(s):** The map(s) shall contain, at a minimum, the following information:

   a. General purpose of each section/area within each building *(e.g. "Office Area", "Manufacturing Area", etc.)*;
   b. Location of each hazardous material/waste storage, dispensing, use, or handling area *(e.g. individual underground tanks, aboveground tanks, storage rooms, paint booths, etc.)*. Each area shall be identified by a unique location code number, letter, or name *(e.g. "1", "2", "3"; "A", "B", "C", etc.)*;
   c. Entrances to and exits from each building and hazardous material/waste room/area;
   d. Location of each utility emergency shut-off point *(i.e. gas, water, electric.)*;
   e. Location of each monitoring system control panel *(e.g. underground tank monitoring, toxic gas monitoring, etc.)*.

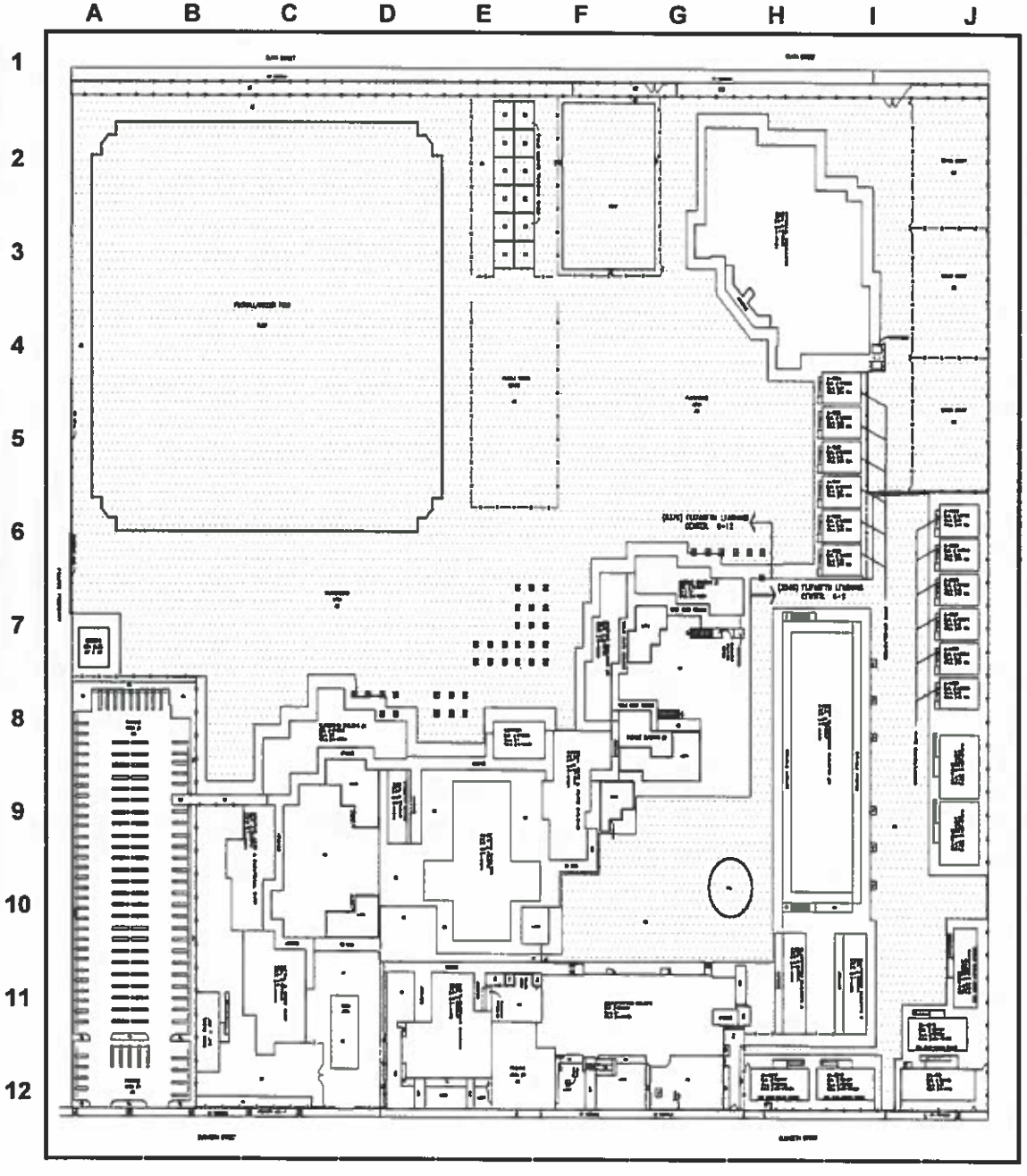
3. **Map Legend**

Item and/or Description	Location Code (LC)
WATER SHUT-OFF	E-8;F-1;E-1;E-12;I-5,G-2
ELECTRICAL SHUT-OFF	E-1;H-8
GAS SHUT-OFF	I-2;F-12;D-8;G-1;C-12
FIRE DEPARTMENT CONNECTION	I-1;G-12
FIRE HYDRANTS	E-12;G-12;J-12
FIRE SPLINKER SHUT-OFF	G-3;F-12

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SITE MAP

BUSINESS NAME						3
Elizabeth Learning Center						
SITE ADDRESS	103	CITY	104	ZIP CODE	105	
4811 Elizabeth Street		Cudahy		90201		
DATE MAP DRAWN	MAP #	FACILITY ID #	1
---	---	---	---
10/12/10	N/A		



For Site Map

- Scale of Map
- Loading Areas
- Parking Lots
- Internal Roads
- Storm and Sewer Drains
- Adjacent Property Use
- Locations and Names of Adjacent Streets and Alleys
- Access and Egress Points and Roads
- Primary and Alternate Evacuation Routes

For Sub-Site Map

- Scale of Map
- Location of Each Storage Area
- Location of Each Hazardous Material Handling Area
- Location of Emergency Response Equipment

Scale:
1" = _____Ft.

North

Y X

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UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☐ ADD ☐ DELETE ☑ REVISE REPORTING YEAR 2010 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Elizabeth Learning Center

CHEMICAL LOCATION 201
FUEL BUNKER

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) 202 ☐ Yes ☑ No

FACILITY ID #

MAP# (optional) 203 **See Page 18**

GRID# (optional) 204 **D-12**

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
GASOLINE

TRADE SECRET ☐ Yes ☑ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME **GASOLINE** 207

EHS* ☐ Yes ☑ No 208

CAS# **8000-61-9** 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☑ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 12

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☑ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER **55 GALLONS** 215

FED HAZARD CATEGORIES (Check all that apply) ☑ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☑ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
30 gallons	55 gallons	NA	NA

UNITS* (Check one item only) ☑ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: 222 **365**

STORAGE CONTAINER 223
☐ a. ABOVE GROUND TANK ☐ B. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☑ d. STEEL DRUM ☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO ☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ i. CYLINDER ☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☐ o. TOE BIN ☐ p. TANK WAGON ☐ q. RAIL CAR ☐ r. OTHER

STORAGE PRESSURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100-90 226	GASOLINE 27	☐ Yes ☑ No 228	8006-61-9 229
<9 230	BUTANE 31	☐ Yes ☑ No 232	106-97-8 233
<6 234	PENTANE 35	☐ Yes ☑ No 236	109-66-0 237
<4 238	N-HEXANE 39	☐ Yes ☑ No 240	110-54-3 241
<8 242	HEXANE 43	☐ Yes ☑ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY	DATE RECEIVED	REVIEWED BY

DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☐ ADD ☐ DELETE ☑ REVISE REPORTING YEAR 2010 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Elizabeth Learning Center

CHEMICAL LOCATION 201
FUEL BUNKER

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) 202
☐ Yes ☑ No

FACILITY ID #

MAP# (optional) 203 **See Page 18**

GRID# (optional) 204 **D-12**

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
DIESEL

TRADE SECRET 206
☐ Yes ☑ No
If Subject to EPCRA, refer to instructions

COMMON NAME **DIESEL** 207

EHS* 208
☐ Yes ☑ No

CAS# **68476-34-6** 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) 211
☐ a. PURE ☑ b. MIXTURE ☐ c. WASTE

RADIOACTIVE 12
☐ Yes ☑ No

CURIES 213

PHYSICAL STATE (Check one item only) 214
☐ a. SOLID ☑ b. LIQUID ☐ c. GAS

LARGEST CONTAINER **55 GALLONS** 215

FED HAZARD CATEGORIES (Check all that apply) 216
☑ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☑ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
30 gallons	**55 gallons**	**NA**	**NA**

UNITS* (Check one item only) 221
☑ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS
* If EHS, amount must be in pounds.

DAYS ON SITE: 222 **365**

STORAGE CONTAINER 223
☐ a. ABOVE GROUND TANK ☐ B. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☑ d. STEEL DRUM ☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO ☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ l. CYLINDER ☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☐ o. TOE BIN ☐ p. TANK WAGON ☐ q. RAIL CAR ☐ r. OTHER

STORAGE PRESSURE 224
☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

STORAGE TEMPERATURE 225
☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100 226	**DIESEL FUEL** 27	☐ Yes ☑ No 228	**68476-34-6** 229
<0.1 230	**NAPHTHALENE** 31	☐ Yes ☑ No 232	**91-20-3** 233
234	35	☐ Yes ☐ No 236	237
238	39	☐ Yes ☐ No 240	241
242	43	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
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UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☑ ADD ☐ DELETE ☐ REVISE REPORTING YEAR 2010 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Elizabeth Learning Center

CHEMICAL LOCATION 201
Plant Manager storage area

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) 202 ☐ Yes ☑ No

FACILITY ID #

MAP# (optional) 203 **See Page 18**

GRID# (optional) 204 **E-10**

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
Soil

TRADE SECRET ☐ Yes ☑ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME **Soil contaminated with arsenic** 207

EHS* ☐ Yes ☑ No 208

CAS# 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☑ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 12

CURIES 213

PHYSICAL STATE (Check one item only) ☑ a. SOLID ☐ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER **55 gallon drum** 215

FED HAZARD CATEGORIES (Check all that apply) ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
500 pounds	**1,000 pounds**	**1,000 pounds**	**611**

UNITS* (Check one item only) ☐ a. GALLONS ☐ b. CUBIC FEET ☑ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: **60** 222

STORAGE CONTAINER
☐ a. ABOVE GROUND TANK ☐ B. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☑ d. STEEL DRUM
☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO
☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ i. CYLINDER
☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☐ o. TOE BIN ☐ p. TANK WAGON
☐ q. RAIL CAR ☐ r. OTHER
223

STORAGE PRESSURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100 226	**Soil contaminated with arsenic** 27	☐ Yes ☑ No 228	229
230	31	☐ Yes ☐ No 232	233
234	35	☐ Yes ☐ No 236	237
238	39	☐ Yes ☐ No 240	241
242	43	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
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UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☑ ADD ☐ DELETE ☐ REVISE REPORTING YEAR 2010 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Elizabeth Learning Center

CHEMICAL LOCATION 201
Science storage room

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) 202 ☐ Yes ☑ No

FACILITY ID # | MAP# (optional) 203 **See Page 18** | GRID# (optional) 204 **F-7**

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
Non-RCRA hazardous waste liquid

TRADE SECRET 206 ☐ Yes ☑ No
If Subject to EPCRA, refer to instructions

COMMON NAME **Non-RCRA hazardous waste liquid** 207

EHS* 208 ☐ Yes ☑ No

CAS# 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☑ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 12

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☑ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER **5 gallon** 215

FED HAZARD CATEGORIES (Check all that apply) ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
5 gallon	**15 gallon**	**15 gallon**	**132**

UNITS* (Check one item only) ☑ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: **60** 222

STORAGE CONTAINER 223
☐ a. ABOVE GROUND TANK ☑ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ B. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

STORAGE PRESSURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100 226	**Non-RCRA hazardous waste liquid** 27	☐ Yes ☑ No 228	229
230	31	☐ Yes ☐ No 232	233
234	35	☐ Yes ☐ No 236	237
238	39	☐ Yes ☐ No 240	241
242	43	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY	DATE RECEIVED	REVIEWED BY

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UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☑ ADD ☐ DELETE ☐ REVISE REPORTING YEAR 2010 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Elizabeth Learning Center

CHEMICAL LOCATION 201
Plant Manager storage area

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) 202 ☐ Yes ☑ No

FACILITY ID # | MAP# (optional) 203 **See Page 18** | GRID# (optional) 204 **E-10**

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
Used paint and wax

TRADE SECRET 206 ☐ Yes ☑ No
If Subject to EPCRA, refer to instructions

COMMON NAME **Used paint and wax** 207

EHS* 208 ☐ Yes ☑ No

CAS# 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) 211 ☐ a. PURE ☐ b. MIXTURE ☑ c. WASTE

RADIOACTIVE 12 ☐ Yes ☑ No

CURIES 213

PHYSICAL STATE (Check one item only) 214 ☐ a. SOLID ☑ b. LIQUID ☐ c. GAS

LARGEST CONTAINER **5 gallon bucket** 215

FED HAZARD CATEGORIES (Check all that apply) 216 ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
20 gallon	**40 gallon**	**40 gallon**	**291**

UNITS* (Check one item only) 221 ☑ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS
* If EHS, amount must be in pounds.

DAYS ON SITE: 222 **60**

STORAGE CONTAINER 223
☐ a. ABOVE GROUND TANK ☑ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ B. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

STORAGE PRESSURE 224 ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

STORAGE TEMPERATURE 225 ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100 226	**Used paint and wax** 27	☐ Yes ☑ No 228	229
230	31	☐ Yes ☐ No 232	233
234	35	☐ Yes ☐ No 236	237
238	39	☐ Yes ☐ No 240	241
242	43	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY	DATE RECEIVED	REVIEWED BY

DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☑ ADD ☐ DELETE ☐ REVISE REPORTING YEAR 2010 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Elizabeth Learning Center

CHEMICAL LOCATION 201
Plant Manager storage area

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) 202 ☐ Yes ☑ No

FACILITY ID #

MAP# (optional) 203 **See Page 18**

GRID# (optional) 204 **E-10**

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
Burned out light bulbs

TRADE SECRET 206 ☐ Yes ☑ No
If Subject to EPCRA, refer to instructions

COMMON NAME **Burned out light bulbs** 207

EHS* 208 ☐ Yes ☑ No

CAS# 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) 211 ☐ a. PURE ☐ b. MIXTURE ☑ c. WASTE

RADIOACTIVE ☐ Yes ☑ No 12

CURIES 213

PHYSICAL STATE (Check one item only) 214 ☑ a. SOLID ☐ b. LIQUID ☐ c. GAS

LARGEST CONTAINER **0.5 cubic feet box** 215

FED HAZARD CATEGORIES (Check all that apply) 216 ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
170 pounds	**376 pounds**	**376 pounds**	**NA**

UNITS* (Check one item only) 221 ☐ a. GALLONS ☐ b. CUBIC FEET ☑ c. POUNDS ☐ d. TONS
* If EHS, amount must be in pounds.

DAYS ON SITE: 222 **60**

STORAGE CONTAINER 223
☐ a. ABOVE GROUND TANK ☐ B. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☐ d. STEEL DRUM
☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO
☐ i. FIBER DRUM ☐ j. BAG ☑ k. BOX ☐ i. CYLINDER
☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☐ o. TOE BIN ☐ p. TANK WAGON
☐ q. RAIL CAR ☐ r. OTHER

STORAGE PRESSURE 224 ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

STORAGE TEMPERATURE 225 ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100 226	**Burned out light bulbs** 27	☐ Yes ☑ No 228	229
230	31	☐ Yes ☐ No 232	233
234	35	☐ Yes ☐ No 236	237
238	39	☐ Yes ☐ No 240	241
242	43	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

UNIFIED PROGRAM (UP) FORM
HAZARDOUS WASTE GENERATOR

PAGE OF

BUSINESS NAME: Elizabeth Learning Center		
FACILITY ID #	NO. OF EMPLOYEES: 33b 3	EPA ID # CAR000193862

I. TYPE OF GENERATOR

PLEASE CHECK THE FOLLOWING BOXES THAT APPLY

	RCRA GENERATOR (FEDERAL WASTE)	NON -RCRA GENERATOR (CALIFORNIA WASTE ONLY)
LARGE QUANTITY GENERATOR (>1000 KG HAZARDOUS WASTE PER MONTH)	☐	☐
SMALL QUANTITY GENERATOR (>100 KG BUT <1000 KG HAZARDOUS WASTE PER MONTH)	☑	☑
CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR (< 100 KG HAZARDOUS WASTE PER MONTH)	☐	☐

II. WASTE STREAM IDENTIFICATION

PLEASE COMPLETE THE TABLE BELOW. SEE INSTRUCTIONS FOR CODES AND EXPLANATION.

PROCESS	WASTE DESCRIPTION	WASTE ID	AMOUNT PER YEAR	DISPOSAL METHOD	STORAGE METHOD
Construction	Soil contaminated with arsenic	611	1,000 pounds	Landfill	Metalic drum
Science	Non-RCRA hazardous liquid	132	15 gallons	Recycling	Metalic drum
Maintenance	Wax and used paint	291	40 gallons	Recycling	5 gallon bucket
Maintenance	Burned out light bulbs	NA	376 pounds	Recycling	Boxes

I certify that the information provided herein is true and accurate to the best of my knowledge.

OWNER/OPERATOR NAME Sharon Sweet	OWNER/OPERATOR TITLE Principal
OWNER/OPERATOR SIGNATURE Sharon Sweet	DATE 9/28/2010

OFFICIAL USE ONLY	DATE RECEIVED	REVIEWED BY	
CUPA	PA	DISTRICT	INSPECTOR

OWNER FILE INFORMATION

DATE PRINTED: 05/25/2012 10:04:08AM BY: Yolanda Roch

Owner ID: OW0060549 Tax ID : Drivers License:

Owner Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Owner DBA: ELIZABETH LEARNING CENTER
Owner Address: 333 S BEAUDRY AVE 27TH FLOOR
LOS ANGELES, CA 90017
Ownership Type:
Work/Business Phone: 213-241-3199
Billing/Mailing Address: 333 S. BEANDRY AVE, 27TH FLOOR
LOS ANGELES, CA 90017
ATTN/Care of: SOE AUNG - ENV HEALTH SUPV

FACILITY FILE INFORMATION

Facility ID: FA0045008 Account ID: AR0059366
Facility Name: ELIZABETH LEARNING CENTER
No. of Employee: 2
Site Location: 4811 ELIZABETH ST
CUDAHY, CA 90201
Phone: 323-271-3600
Mailing Address: 333 S. BEAUDRY AVE, 27TH FLOOR
LOS ANGELES, CA 90017
Operator/Care of: SOE AUNG - ENV HEALTH SUPV **Email Address:** **NO E-Mail Address**
District: C - CENTRAL
City Code: CDHY
CUPA Jurisdiction: CO
Operation Hours:
SIC Code: 8211
Business Type / Code:
Station (Code 1):
D & B #:
Date 1 (D1):

GENERAL HEALTH PROGRAM ELEMENTS

Record ID #	Program Element	Current Status	# of Unit	EPA #	Effective Date D1 (Beg.) & C1 (End)	Last Inspection Date
PR0102451	1001 - HW GEN, 0-5 EMPLOYEES	Active, billable			05/04/12	
PR0102452	3001 - HM HANDLER, FEE GROUP 01	Active, billable			05/04/12	

OWNER FILE INFORMATION

DATE PRINTED: 05/24/2012 9:12:50AM BY: Yolanda Rocha

Owner ID: OW0060549 Tax ID : Drivers License:

Owner Name: LOS ANGELES UNITED SCHOOL DISTRICT
Owner DBA: ELIZABETH LEARNING CENTER
Owner Address: 333 S BEAUDRY AVE 27TH FLOOR
LOS ANGELES, CA 90017
Ownership Type:
Work/Business Phone: 213-241-3199
Billing/Mailing Address: 333 S. BEANDRY AVE, 27TH FLOOR
LOS ANGELES, CA 90017
ATTN/Care of: SOE AUNG - ENV HEALTH SUPV

FACILITY FILE INFORMATION

Facility ID: FA0045008 Account ID: AR0059366
Facility Name: ELIZABETH LEARNING CENTER
No. of Employee: 2
Site Location: 4811 ELIZABETH ST
CUDAHY, CA 90201
Phone: 323-271-3600
Mailing Address: 333 S. BEAUDRY AVE, 27TH FLOOR
LOS ANGELES, CA 90017
Operator/Care of: SOE AUNG - ENV HEALTH SUPV **Email Address:** **NO E-Mail Address**
District: C - CENTRAL
City Code: CDHY
CUPA Jurisdiction: CO
Operation Hours:
SIC Code: 8211
Business Type / Code:
Station (Code 1):
D & B #:
Date 1 (D1):

GENERAL HEALTH PROGRAM ELEMENTS

Record ID #	Program Element	Current Status	# of Unit	EPA #	Effective Date D1 (Beg.) & C1 (End)	Last Inspection Date
PR0102451	1001 - HW GEN, 0-5 EMPLOYEES	Active, billable			05/04/12	
PR0102452	3001 - HM HANDLER, FEE GROUP 01	Active, billable			05/04/12	

Date run : 10/16/2008 11:48:24AM
Run by : GTO

LA County Fire Department
Facility Information Report

Report # : 5302
Page 1 of 3
Version 081014

OWNER FILE INFORMATION

* Clearly make changes/corrections here.

Owner ID:
New Owner ID:
Owner Name: Los Angeles Unified School District
Tax ID :
Owner DBA: Elizabeth Learning Center
Drvr Licns :
Owner Address: 333 S Beaudry Ave, 27th Floor
LA 90017
Work/Business Phone: ~~Not Specified~~ (213) 241-3499
Billing/Mailing Address: Same as owner's address
ATTN/Care of: Soe Aung - Env. Health Supervisor
Ownership Type:

FACILITY FILE INFORMATION

Facility ID: FA0045008
New site, eff 5/4/12
Facility Name: Elizabeth Learning Center
No. of Employee: 2
Site Location: 4811 Elizabeth Street
Cudahy, CA 90201
Phone: (323) 271-3880
Mailing Address: 333 S. Beaudry Ave, 27th Floor
LA 90017
Operator/Care of: Soe Aung - Env. Health Supervisor
E-Mail Address:
District: Central
City Code:
CUPA Jurisdiction:
Operating Hours: Days: Hours:
SIC Code: 8211
Nature of Business:
Business Type / Code:
Station:

GENERAL HEALTH PROGRAM ELEMENTS

Record ID	Current Program Element	Current Status	EPA #	Effective Date Beg.	Effective Date End	Changes — Program Element	Changes — Status

Addition Program Element: Add P/E 1001 ; 3001

CA Waste Code					
RCRA Waste Code					
AMOUNT per quarter					
UNITS (PQTY) Pounds, Gallons, Tons, Yards					

CONSENT GIVEN BY: Soe Aung
INSPECTOR SIGNATURE: GO
EMPLOYEE ID: 156
1st DATE & TIME OF INSPECTION: 5/4/12
2nd DATE & TIME OF INSPECTION:
3rd DATE & TIME OF INSPECTION:

LA County Fire Department
COMPLAINT FORM

Report # : 5602

Entered By : EE0000588 - BARRAZA, MONICA

V100304

DATE: May 17, 2012

FROM: EE0000588 - BARRAZA, MONICA
HHMD

COMPLAINT ID: CO0022999

***** Facility w/o FA Number *****

PROPERTY OWNER INFORMATION

Property Owners Name not Specified

Site Address : Property Owner Address Not Specified

Phone : Hm: Number Not Specified

PROPERTY INFORMATION

*** Facility w/o FA Number ***

Location : 4811 ELIZABETH ST, CUDAHY CA 90201

Site Address : 4811 ELIZABETH ST, CUDAHY CA 90201

Phone : 1st: Number Not Specified

COMPLAINT ID NUMBER: CO0022999

Service Code: _____

Action Code: _____

Result Code: _____

COMPLAINT MODE : DATA OPERATIONS REFERRAL

District : C

SOURCE OF REQUEST:

Complainant: Complainant Not Specified

Address: Address Not Specified

Home/Cell Phone : Phone Not Specified

Work Phone : Phone Not Specified

Email Address :

DESCRIPTION: *(Please clearly describe the changes, corrections)*

STATUS : 50 - INACTIVE

3/28/2012 - NEW HW & HM / RECEIVED CCP, SITE MAP & INVENTORY FOR HW & HM FROM HANDLER, BUT NO FA# FOUND IN ENVISION.

OWNER NAME: LOS ANGELES UNIFIED SCHOOL DISTRICT
DBA: ELIZABETH LEARNING CENTER
4811 ELIZABETH ST., CUDAHY CA 90201

PLEASE VERIFY NEW HW & HM.

NOTE: SUPPORTING DOCS TO FOLLOW ALONG W/ COMPLAINT TO DIST OFC. ONCE VERIFIED PLS FWD TO STC FOR NECESSARY UPDATES.

THANKS, MONICA B.

05/04/12 PER INSP GARY TO: INVESTIGATION REVEALED COMPLAINT JUSTIFIED; FACILITY IS A HANDLER, GENERATOR. PERMIT TO BE ISSUED. RESOLVED.

		Date / Time
Received by :	EE0000588 - BARRAZA, MONICA	3/28/2012 09:20:41
Assigned to :	**EE0000156 - TO, GARY**	4/5/2012 09:17:12

List dates, times, types of notices, names address and phone numbers of people involved. Describe conditions and actions taken

** PLEASE INDICATE THE EFFECTIVE DATE NOT THE SITE VISIT DATE**

LA County Fire Department
COMPLAINT FORM

Entered By : EE0000588 - BARRAZA, MONICA

Report # : 5602
V100304

DATE: March 28, 2012

FROM: EE0000588 - BARRAZA, MONICA
HHMD

COMPLAINT ID: CO0022999

***** Facility w/o FA Number *****

PROPERTY OWNER INFORMATION

Property Owners Name not Specified

Site Address : Property Owner Address Not Specified

Phone: Hm: Number Not Specified

PROPERTY INFORMATION

*** Facility w/o FA Number ***
Location : 4811 ELIZABETH ST, CUDAHY CA 90201
Site Address : 4811 ELIZABETH ST, CUDAHY CA 90201

Phone: 1st: Number Not Specified

COMPLAINT ID NUMBER: CO0022999

Service Code: _____
Action Code: _____
Result Code: _____

COMPLAINT MODE : DATA OPERATIONS REFERRAL

District : C

SOURCE OF REQUEST:

Complainant: Complainant Not Specified
Address: Address Not Specified

Home/Cell Phone : Phone Not Specified
Work Phone : Phone Not Specified
Email Address :

DESCRIPTION: *(Please clearly describe the changes / corrections.)*

STATUS : 10 - NEW HM OR HW

3/28/2012 - NEW HW & HM / RECEIVED CCP, SITE MAP & INVENTORY FOR HW & HM FROM HANDLER, BUT NO FA# FOUND IN ENVISION.

OWNER NAME: LOS ANGELES UNIFIED SCHOOL DISTRICT
DBA: ELIZABETH LEARNING CENTER
4811 ELIZABETH ST., CUDAHY CA 90201

PLEASE VERIFY NEW HW & HM.

NOTE. SUPPORTING DOCS TO FOLLOW ALONG W/ COMPLAINT TO DIST OFC. ONCE VERIFIED PLS FWD TO STC FOR NECESSARY UPDATES.

THANKS, MONICA B.

		Date / Time
Received by :	EE0000588 - BARRAZA, MONICA	3/28/2012 09:20:41
Assigned to :	EE0000013 - WOJCIK, BRUCE	3/28/2012 09:21:54

List dates, times, types of notices, names address and phone numbers of people involved. Describe conditions and actions taken.

Date : _____
Time In : _____
Time Out : _____
Hrs/Min : _____

5/4/12 Investigation revealed complaint justified; facility is a handler; generator. Permit to be issued. Resolved. File.

** PLEASE INDICATE THE EFFECTIVE DATE NOT THE SITE VISIT DATE**

Office of Environmental Health and Safety
333 South Beaudry Avenue, 20th Floor
Los Angeles, CA 90017
Phone: (213) 241-3199
Fax: (213) 241-6816

LOS ANGELES UNIFIED SCHOOL DISTRICT
(LAUSD) PBR SHIPPING PAPER

Export / E-Mail Data

24 HOUR EMERGENCY CONTACT: ECI - (800) 321-5479

From:	Facility Name:	Elizabeth Learning Center	To:	Facility Name:	School Hazardous Collection
	Address:	4811 Elizabeth Street		Address:	620 East Pico Street
	City State, Zip:	Cudahy, CA. 90201		City State, Zip:	Los Angeles CA, 90015
	Contact Name:	Victor Hardman		EPA ID:	CAR000161927
	EPA ID #:	CAD982045494		Receiver Name:	Jose Padilla
				Signature:	
	Mileage:	20 R/T			

Drive Time to Current Pickup Location: 1 hr(s) 30 min(s)

Time Spent at Current Pickup Location: 1 hr(s) ___ min(s)

Drive Time to Return to OEHS (leave blank if traveling to another pickup site from current location): 1 hr(s) 30 min(s)

Proper DOT Shipping Name, Hazard Class, ID No., Packing Group	EPA Waste Code	State Waste Code	Waste Qty	Physical State (1)	No. of Containers	Type of Used for Transport	Size of Used for Transport	Comments	
Universal Waste (Fluorescent Lights)	None	N/A	264 lbs	Solid	550 pcs	cardbox	22 box	Fluorescent Lamps	X

Contributing Facility Representative Name

SIGN: Victor Hardman
PRINT
DATE: Dec 22, 20[illegible]

OEHS Transporter Name

SIGN: Jose Padilla
PRINT
Date: Dec 22, 20[illegible]

Form OEHSPBR5- PBR Shipping Paper - Revised February 2009

Add Item

Office of Environmental Health and Safety
333 South Beaudry Avenue, 20th Floor
Los Angeles, CA 90017
Phone: (213) 241-3199
Fax: (213) 241-6816

LOS ANGELES UNIFIED SCHOOL DISTRICT
(LAUSD) PBR SHIPPING PAPER

Export / E-Mail Data

24 HOUR EMERGENCY CONTACT: ECI - (800) 321-5479

From:	Facility Name:	Elizabeth Learning Center
	Address:	4811 Elizabeth Street
	City State, Zip:	Los Angeles, CA 90201
	Contact Name:	Megai Boga
	EPA ID #:	CAD982045494
	Mileage:	34

To:	Facility Name:	School Hazardous Collection
	Address:	620 East Pico Street
	City State, Zip:	Los Angeles CA, 90015
	EPA ID:	CAR000161927
	Receiver Name:	Octavio Leon
	Signature:	

Drive Time to Current Pickup Location: ___ hr(s) 30 min(s)

Time Spent at Current Pickup Location: 1 hr(s) 30 min(s)

Drive Time to Return to OEHS
(leave blank if traveling to another pickup site from current location): ___ hr(s) ___ min(s)

Proper DOT Shipping Name, Hazard Class, ID No., Packing Group	EPA Waste Code	State Waste Code	Waste Qty	Physical State (1)	No. of Containers	Type of Used for Transport	Size of Used for Transport	Comments	
Waste Formaldehyde Solutions, Flammable, 3 UN1198 PGII	D001	331	360 lbs	Solid	9x 5gal	poly	30 gal		X
									X
									X

Contributing Facility Representative Name

SIGN

Megai Boga — PRINT

Sep 3, 2009 — DATE

OEHS Transporter Name

SIGN

Octavio Leon — PRINT

Sep 3, 2009 — Date

Form OEHSPBR5- PBR Shipping Paper - Revised February 2009

Add Item

Office of Environmental Health and Safety
333 South Beaudry Avenue, 20th Floor
Los Angeles, CA 90017
Phone: (213) 241-3199
Fax: (213) 241-6816

LOS ANGELES UNIFIED SCHOOL DISTRICT (LAUSD) PBR SHIPPING PAPER

Export / E-Mail Data

24 HOUR EMERGENCY CONTACT: ECI - (800) 321-5479

From:	Facility Name:	Elizabeth Learning Center	To:	Facility Name:	School Hazardous Collection
	Address:	4811 Elizabeth Street		Address:	620 East Pico Street
	City State, Zip:	Los Angeles, CA 90201		City State, Zip:	Los Angeles CA, 90015
	Contact Name:	Megai Boga		EPA ID:	CAR000161927
	EPA ID #:	CAD982045494		Receiver Name:	Octavio Leon
				Signature:	
	Mileage:	34			

Drive Time to Current Pickup Location: ___ hr(s) 30 min(s)

Time Spent at Current Pickup Location: 1 hr(s) 30 min(s)

Drive Time to Return to OEHS
(leave blank if traveling to another pickup site from current location): ___ hr(s) ___ min(s)

Proper DOT Shipping Name, Hazard Class, ID No., Packing Group	EPA Waste Code	State Waste Code	Waste Qty	Physical State (1)	No. of Containers	Type of Used for Transport	Size of Used for Transport	Comments	
Corrosive Solids, N.O.S., 8 UN1759 PGIII (Lab Pack)	D002	551	5 p	Solid	1	DF	5 gal		X
Waste Caustic Alkali Liquids, N.O.S., 8 UN1719 PGII (Lab I	D002	551	5 p	Liquid	1	DF	5 gal		X
									X
									X

Contributing Facility Representative Name

SIGN

Mary Gomez — PRINT

Apr 15, 20 — DATE

OEHS Transporter Name

SIGN

Octavio Leon — PRINT

Apr 15, 20 — Date

Form OEHSPBR5- PBR Shipping Paper - Revised February 2009

Add Item

Office of Environmental Health and Safety
333 South Beaudry Avenue, 20th Floor
Los Angeles, CA 90017
Phone: (213) 241-3199
Fax: (213) 241-6816

LOS ANGELES UNIFIED SCHOOL DISTRICT (LAUSD) PBR SHIPPING PAPER

Export/ E-Mail Data

24 HOUR EMERGENCY CONTACT: ECI - (800) 321-5479

From:	Facility Name:	Elizabeth Learning Center
	Address:	4811 Elizabeth Street
	City State, Zip:	Los Angeles, CA 90201
	Contact Name:	Pablo Carrillo
	EPA ID #:	CAD982045494
	Mileage:	34

To:	Facility Name:	School Hazardous Collection
	Address:	620 East Pico Street
	City State, Zip:	Los Angeles CA, 90015
	EPA ID:	CAR000161927
	Receiver Name:	Graciela Merchan
	Signature:	

Drive Time to Current Pickup Location: ___ hr(s) 30 min(s)

Time Spent at Current Pickup Location: 1 hr(s) 30 min(s)

Drive Time to Return to OEHS (leave blank if traveling to another pickup site from current location): ___ hr(s) ___ min(s)

Proper DOT Shipping Name, Hazard Class, ID No., Packing Group	EPA Waste Code	State Waste Code	Waste Qty	Physical State (1)	No. of Containers	Type of Used for Transport	Size of Used for Transport	Comments	
Waste Flammable Solids, Organic, N.O.S., 4.1 UN1325 PGII	D001	352	20 p	Solid	1	DF	20 gal	contaminated absorbent from clean up	X
									X
									X
									X

Contributing Facility Representative Name

SIGN
Pablo Castillo — Nov 21, 20
PRINT — DATE

OEHS Transporter Name

SIGN
Graciela Merchan — Nov 21, 20
PRINT — Date

Form OEHSPBR5- PBR Shipping Paper - Revised February 2009

Add Item

Maintenance & Operations Area South 2
OPERATIONS WORKSHOP APRIL 27, 2011

PLANT MANAGERS

1:00PM-3:00PM
White Middle School
DOT Training

Non-T.C. sites

SCHOOL SITE	EMPLOYEE NAME	Signature
BANNEKER SEC	PEREZ, CARLOS	
BANNING HS	SALDANA, RAMON	
BELL HS	THOMPSON, KEN	
CARNEGIE MS	CALVO, FELIPE	
CARSON HS	SMITH, DARREN	
COOPER HS	ANDERSON-GAINES, DENISE	
CORONA ES	JONES, DEWEY	
CURTISS MS	EDWARDS, DIANE	Diane Edwards
DANA MS	JONES, DERICK	Derick Jones
ELIZABETH LC	CASTILLO, PABLO	
ESCALANTE	THOMAS, DERRICK	
FLEMING MS	ALVAREZ, LUIS	
GARDENA HS	GRAHAM, LONNIE	
HARBOR CAS	WRIGHT, JAMES	James Wright
HARBOR OCC	Miguel Osorio ~~WALKER, SANDRA (APM)~~	Miguel A. Osorio

MOSQ - Masena Moreland

GARDENA/E/E PAUL LEWIS

~~Juanita Baylor~~
MOSA-SUB

Dodson M.S. check Roster

COUNTY OF LOS ANGELES FIRE DEPARTMENT
HEALTH HAZARDOUS MATERIALS DIVISION

INSPECTION REPORT

CERTIFIED UNIFIED PROGRAM AGENCY • PARTICIPATING AGENCY
5825 RICKENBACKER ROAD, COMMERCE, CA 90040
PHONE: (323) 890-4107 FAX: (323) 724-5976

BUSINESS: Elizabeth Learning Center	OWNER: Los Angeles Unified School District	DATE: 5/4/12
ADDRESS: 4811 Elizabeth Street, Cudahy, 90201		FACILITY ID: TBD

The following requirements, if applicable, have been inspected. This document constitutes a summary of violations and notice to comply if the violation column (V) is checked. ***References: Titles 19 and 22 of the California Code of Regulations (CCR); Chapters 6.5, 6.67, and 6.95 of the California Health and Safety Code (HSC); Titles 11 and 12 of the Los Angeles County Code (Co Ord); and Title 40 Code of Federal Regulations (CFR). NOTE: For all CFR sections refer to CCR 66262.34(d)(2) for applicability.***

INSPECTION TYPE: ☑ INITIAL ☐ RE-INSPECTION ☐ OTHER:

	V	HAZARDOUS WASTE (HW) GENERATOR	SECTION
1		HW accumulation time	CCR 66262.34(a-d)
2		Satellite accumulation	CCR 66262.34(e)
3		HW labeling	CCR 66262.34(f)
4		Hazardous materials storage and labeling	CCR 66261.2(f)
5		Containers leaking or not in good condition	CCR 66265.171 | CFR 265.171
6		Compatibility of waste with containers	CCR 66265.172 | CFR 265.172
7		HW containers closed	CCR 66265.173(a) | CFR 265.173(a)
8		Container inspection – weekly	CCR 66265.174 | CFR 265.174
9		Separation of incompatibles	CCR 66265.177 | CFR 265.177
10		Tank overflow and spill prevention	CCR 66265.194 | CFR 265.201(b)
11		Tank inspection	CCR 66265.195 | CFR 265.201(d)
12		Tank system management	CCR 66265.190-.202 | CFR 265.201
13		Empty containers	CCR 66261.7
14		Used oil management	HSC 25250.4
15		Used oil / fuel filter management	CCR 66266.130 / HSC 25250.22
16		Used battery management	CCR 66266.81
17		Contaminated textile management	HSC 25144.6
18		EPA ID number [submit DTSC form 1358]	CCR 66262.12
19		HW manifest complete	CCR 66262.23(a)
20		Manifest copies to DTSC	CCR 66262.23(a)(4)
21		Manifest copies retained for 3 years	CCR 66262.40(a)
22		Consolidated manifest requirements	HSC 25160.2
23		Manifest exception reporting	CCR 66262.42
24		HW transported with manifest	CCR 66262.20
25		HW transported by registered hauler	HSC 25163(a)
26		Land disposal restriction requirements	CCR 66268.7(a)

	V	HAZARDOUS WASTE GENERATOR	SECTION
27		HW analysis retained for 3 years	CCR 66262.40(c)
28		HW determination	CCR 66262.11
29		Proper disposal of HW	HSC 25189.5(a)
30		Reckless management of HW	HSC 25189.6
31		Quarantine order	HSC 25187.6
32		Maintain/operate to prevent release/fire	CCR 66265.31 | CFR 265.31
33		Required equipment and maintenance	CCR 66265.32-.33 | CFR 265.32-.33
34		Required aisle space	CCR 66265.35 | CFR 265.35
35		Personnel training	CCR 66265.16 | CFR 262.34(d)(5)(iii)
36		Emergency information posting [SQGs]	CFR 262.34(d)(5)(ii)
37		Contingency plan [LQGs]	CCR 66265.51
38		Source reduction requirements [LQGs]	CCR 67100.3
39		Biennial report requirements [RCRA LQGs]	CCR 66262.40-.41
40		Closure requirements [LQGs]	CCR 66265.111 / .114
41		Site assessment requirements	HSC 25187(a)(1)
42		Excluded recyclable material management	HSC 25143.2 / .9
43		Recyclable material report	HSC 25143.10
44		Universal waste management	CCR 66273.1
45		Other violation(s)	

	V	HAZARDOUS MATERIALS HANDLER	SECTION
50		HMBP established and implemented	HSC 25503.5
51		HMBP submitted; updated/accurate	HSC 25505
52		Regulated substance registration	HSC 25533(a)

	V	ABOVEGROUND PETROLEUM STORAGE	SECTION
60		SPCC plan	HSC 25270.4.5(a)
70		PERMIT REQUIRED – Submit UP Forms	Co Ord 12.50.075

☑ NO SIGNIFICANT VIOLATIONS OBSERVED ON DATE OF INSPECTION.
☐ NOTICE TO COMPLY: THE VIOLATION(S) CITED MUST BE CORRECTED BY _____.
☐ RETURN CERTIFICATION OF COMPLIANCE FOUND ON BACK OF THIS NOTICE.

Attention: The requirements checked are in violation. Non-compliance could result in re-inspection fees, permit revocation, and/or administrative/civil/criminal penalties. A re-inspection may occur at any time to verify compliance. Any time granted for correction of the violation(s) does not preclude any enforcement action by this Department or other agencies.

It is improper and illegal for any County officer, employee or inspector to solicit bribes, gifts or gratuities in connection with performing their official duties. Improper solicitations include requests for anything of value such as cash, discounts, free services, paid travel or entertainment, or tangible items such as food or beverages. Any attempt by a County employee to solicit bribes, gifts or gratuities for any reason should be reported immediately to either the County manager responsible for supervising the employee or the Fraud hotline at (800) 544-6861 or www.lacountyfraud.org. YOU MAY REMAIN ANONYMOUS.

Inspected By: Gary To	Consent Given By: Sue Arms	Authorized Representative's Signature:

COUNTY OF LOS ANGELES * FIRE DEPARTMENT
HEALTH HAZARDOUS MATERIALS DIVISION

INSPECTION REPORT

5-4-12

Elizabeth Learning Center **4811 Elizabeth St** **Cudahy, CA 90201**	**FA000**

I-CONSENT : Consent to do inspection given by Soe Aung, Environmental Health Supervisor, Graciela Merchan, Environmental Health Specialist, and Pablo Castillo, School Maintenance Manager.

II-WALK THROUGH

Service request and routine inspection conducted for HM & HW. Facility is a public school that is a handler and generator. School is operated by the Los Angeles Unified School District.

Observed the following during the walk through:

- A 55 gal drum of gasoline and a 55 gal drum of diesel stored in a locked metal enclosure at the southwest corner of the school. These fuels are used to power various maintenance equipments such as lawnmowers, etc. The drum with the gasoline did not have a label. Mr. Castillo immediately labeled the drum.
- Small volume of HW's generated from the science classes. Per Mr. Aung, main HW's are acids and bases. There is a small lab/storage area next to the science classes. No HW observed at the time of the inspection.
- Per Mr. Aung, small amount of HW's are picked up by LAUSD staff and taken to LAUSD's main consolidation site which has a PBR permit. The consolidation site is located at 620 E. Pico St, LA 90015. Shipping papers are maintained by the Office of Environmental Health & Safety. If there is a large amount of HW's that need to be removed, a waste hauler is sent directly to the school site.
- Per Mr. Castillo, school maintenance work such as painting and repairs are done by the staff from "Maintenance & Operations".

HAZ MAT

- One 55 gal drums for gasoline
- One 55 gal drum for diesel

HAZ-WASTE

- No HW observed at the time of inspection.

III-DOCUMENTS

- Facility does not have CUPA permit; to be issued.
- EPA ID #: CAR000193862.
- HW disposal documentations OK.
- Training record OK.
- CCP OK.

IV-CLOSING CONFERENCE

NOV issued with the box of no significant violation marked.

V-VIOLATIONS

No violation observed at time of inspection.

Cert# 60275

C

Los Angeles Unified School District

Office of Environmental Health and Safety

JOHN E. DEASY
Superintendent of Schools

ENRIQUE G. BOULL'T
Interim Chief Operating Officer

JOHN STERRITT
Director

November 22, 2011

Los Angeles County Fire Department
Health Hazardous Materials Division
Data Operations Unit
5825 Rickenbacker Road
Commerce, CA 90040

SUBJECT: SUBMITTAL OF CONSOLIDATED CONTINGENCY PLAN FOR ELIZABETH LEARNING CENTER

The Los Angeles Unified School District would like to submit a Consolidated Contingency Plan for the following site:

Facility Name: Elizabeth Learning Center
Street Address: 4811 Elizabeth Street
City, State Zip: Cudahy, CA 90201

This plan is for the reporting year 2011. If you have any questions, please contact me at (213) 241-3199.

Sincerely,

Graciela Merchan

Received
DEC 07 2011
HHMD - Data Ops

c. Soe Aung, Environmental Health Supervisor
Sharon Sweet, Elizabeth Learning Center

Enclosure(s):

UNIFIED PROGRAM (UP) FORM
BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	1	EPA ID # (Hazardous Waste Only)	2
		CAR000193862	

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) 3

Elizabeth Learning Center

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page.

Does your facility...		If Yes, please complete these pages of the UP FORM....
A. HAZARDOUS MATERIALS		
Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☑ Yes ☐ No 4	→HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION →CONSOLIDATED CONTINGENCY PLAN (Section I and Site Map(s)) →TRAINING PLAN
B. UNDERGROUND STORAGE TANKS (USTs)		
1. Own or operate underground storage tanks?	☐ Yes ☑ No 5	→UST FACILITY →UST TANK (one page per tank)
2. Intend to upgrade existing or install new USTs?	☐ Yes ☑ No 6	→UST FACILITY →UST TANK (one per tank) →UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank)
3. Need to report closing a UST?	☐ Yes ☑ No 7	→UST TANK (closure portion –one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: —any tank capacity is greater than 660 gallons, or —the total capacity for the facility is greater than 1,320 gallons?	☐ Yes ☑ No 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE		
1. Generate hazardous waste?	☑ Yes ☐ No 9	→EPA ID NUMBER – provide at the top of this page. →As a generator, answer YES to Item E2b and complete Waste Generator Form.
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	☐ Yes ☑ No 10	→RECYCLABLE MATERIALS REPORT
3. Treat hazardous waste on site?	☐ Yes ☑ No 11	→ONSITE HAZARDOUS WASTE TREATMENT – FACILITY →ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ Yes ☑ No 12	→CERTIFICATION OF FINANCIAL ASSURANCE
5. Consolidate hazardous waste generated at a remote site?	☐ Yes ☑ No 13	→REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ Yes ☑ No 14	→HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
E. LOCAL REQUIREMENTS		15
1. REGULATED SUBSTANCES		
Have Regulated Substances (RS) stored on site at greater than the threshold quantities established by the California Accidental Release Program (Cal ARP) ?	☐ Yes ☑ No 15a	In addition to Hazardous Materials requirements, complete: →Regulated Substance Registration →Risk Management Plan (when required)
2. OTHER REQUIREMENTS		
a. Have hazardous materials stored on site at or above a threshold amount established by a CUPA's or PA's local ordinance?	☐ Yes ☑ No 15b	→Consult local CUPA or PA for added reporting requirements.
b. Required by a CUPA or PA to provide other information?	☑ Yes ☐ No 15c	→Waste Generator Form (LA County)

Received
DEC 07 2011
HHMD - Data Ops

OFFICIAL USE ONLY	UP Form	HW	HM	ARP	AST	UST	TP	CUPA	PA

UNIFIED PROGRAM (UP) FORM
BUSINESS OWNER/OPERATOR IDENTIFICATION

☐ NEW BUSINESS ☐ OUT OF BUSINESS ☑ REVISE/UPDATE (EFFECTIVE) PAGE OF

I. IDENTIFICATION

FACILITY ID# 1		BEGINNING DATE 100: 1/1/2011	ENDING DATE 101: 12/31/2011
BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3: Elizabeth Learning Center			BUSINESS PHONE 102:
BUSINESS SITE ADDRESS 103: 4811 Elizabeth Street			
CITY 104: Cudahy	CA	ZIP CODE 105: 90201	
DUN & BRADSTREET 106: N/A		SIC CODE (4 digit #) 107: 8211	
COUNTY 108: Los Angeles		UNINCORPORATED 133a.: No	
BUSINESS OPERATOR NAME 109: Los Angeles Unified School District		BUSINESS OPERATOR PHONE 110: (213) 241-3199	

II. BUSINESS OWNER

OWNER NAME 111: Los Angeles Unified School District	OWNER PHONE 112: (213) 241-3199
OWNER MAILING ADDRESS 113: 333 S. Beaudry Avenue, 27th Floor	
CITY 114: Los Angeles	STATE 115: CA — ZIP CODE 116: 90017

III. ENVIRONMENTAL CONTACT

CONTACT NAME 117: Soe Aung	CONTACT PHONE 118: (213) 241-3199
CONTACT MAILING ADDRESS 119: 333 S. Beaudry Avenue, 27th Floor	
CITY 120: Los Angeles	STATE 121: CA — ZIP CODE 122: 90017

IV. EMERGENCY CONTACTS

-PRIMARY-	-SECONDARY-
NAME 123: Sharon Sweet	NAME 128: Susan Gawthrope
TITLE 124: Principal	TITLE 129: Assistant Principal
BUSINESS PHONE 125: (323) 271-3600	BUSINESS PHONE 130: (323) 271-3600
24-HOUR PHONE 126: (213) 625-6631	24-HOUR PHONE 131: (213) 625-6631
PAGER # 127:	PAGER # 132:

V. ADDITIONAL LOCALLY COLLECTED INFORMATION

133:

NUMBER OF EMPLOYEES 133b: 2	FEDERAL TAX IDENTIFICATION NUMBER 133c: 95-6001908

MAILING/ BILLING INFORMATION

ADDRESS 133d	CITY 133e	STATE 133f	ZIP CODE 133g
333 S. Beaudry Avenue, 27th Floor	Los Angeles	CA	90017

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	DATE 134	NAME OF DOCUMENT PREPARER 135
	11/18/2011	Graciela Merchan
NAME OF SIGNER (print) 136: Sharon Sweet	TITLE OF SIGNER 137: Principal	

OFFICIAL USE ONLY	UP Form	HW	HM	ARP	AST	UST	TP	CUPA	PA

INSPECTOR	DISTRICT	DATE OF INSPECTION	DIVISION	BATTALION	STATION

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

COVER PAGE

FACILITY IDENTIFICATION					
BUSINESS NAME **Elizabeth Learning Center**			3	FACILITY ID # 1	
SITE ADDRESS **4811 Elizabeth Street**	103	CITY **Cudahy**	104	ZIP CODE **90201**	105

The Consolidated Contingency Plan provides businesses a format to comply with the emergency planning requirements of the following three written hazardous materials emergency response plans required in California:

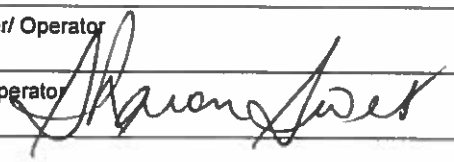
- ◁ Hazardous Materials Business Plan (HSC Chapter 6.95 Section 25504 (b) and 19 CCR Sections 2729-2732),
- ◁ Hazardous Waste Generator Contingency Plan (22 CCR Section 66264.52), and,
- ◁ Underground Storage Tank Emergency Response Plan and Monitoring Program (23 CCR Sections 2632 and 2641).

This format is designed to reduce duplication in the preparation and use of emergency response plans at the same facility, and to improve the coordination between facility response personnel and local, state and federal emergency responders during an emergency. Use the chart below to determine which sections of the Consolidated Contingency Plan need to be completed for your facility. If you are unsure as to which programs your facility is subject to, refer to the Business Activities Page.

PROGRAMS	SECTION(S) TO BE COMPLETED
Hazardous Materials Business Plan (HMBP)	Cover Page, Section I, and Site Map(s)
Hazardous Waste Generator (HWG)	Cover Page, Section I, and Site Map(s)
Underground Storage Tank (UST)	Cover Page, Sections I and II, and Site Map(s)
HMBP, HWG, UST	Cover Page, Sections I and II, and Site Map(s)

A copy of the plan shall be submitted to your local CUPA and at least one copy of the plan shall be maintained at the facility for use in the event of an emergency and for inspection by the local agency. Describe below where a copy of your Contingency Plan, including the hazardous material inventories and Site Map(s), is located at your business:

Main Office

PLAN CERTIFICATION	
I certify under penalty of law that I have personally examined and I am familiar with the information provided by this plan and to the best of my knowledge the information is accurate, complete, and true.	
Printed Name of Owner/ Operator **Sharon Sweet**	Title of Owner/Operator **Principal**
Signature of Owner/ Operator 	Date **11/18/2011**

We appreciate the effort of local businesses in completing these plans and will assist in every possible way. If you have any questions, please contact your local CUPA or PA.

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

I. FACILITY IDENTIFICATION

BUSINESS NAME **Elizabeth Learning Center**				3	FACILITY ID # 1
SITE ADDRESS **4811 Elizabeth Street**	103	CITY **Cudahy**	104	ZIP CODE **90201**	105

II. EMERGENCY CONTACTS

PRIMARY		SECONDARY	
NAME **Sharon Sweet**	123	NAME **Susan Gawthrope**	128
TITLE **Principal**	124	TITLE **Assistant Principal**	129
BUSINESS PHONE **(323) 271-3600**	125	BUSINESS PHONE **(323) 271-3600**	130
24-HOUR PHONE **(213) 625-6631**	126	24-HOUR PHONE **(213) 625-6631**	131
PAGER #	127	PAGER #	132

III. EMERGENCY RESPONSE PLANS AND PROCEDURES

A. Notifications

Your business is required by State Law to provide an immediate verbal report of any release or threatened release of a hazardous material to local fire emergency response personnel, this Unified Program Agency (CUPA or PA), and the Office of Emergency Services. If you have a release or threatened release of hazardous materials, immediately call:

FIRE/PARAMEDICS/POLICE/SHERIFF
PHONE: 911

AFTER the local emergency response personnel are notified, you shall then notify this Unified Program Agency and the Office of Emergency Services.

Local Unified Program Agency: (323) 890-4317
State Office of Emergency Service: (800) 852-7550 or (916) 262-1621
National Response Center: (800) 424-8802

Information to be provided during Notification:

- ◁ Your Name and the Telephone Number from where you are calling.
- ◁ Exact address of the release or threatened release.
- ◁ Date, time, cause, and type of incident (e.g. fire, air release, spill etc.)
- ◁ Material and quantity of the release, to the extent known.
- ◁ Current condition of the facility.
- ◁ Extent of injuries, if any.
- ◁ Possible hazards to public health and/ or the environment outside of the facility.

B. Emergency Medical Facility

List the local emergency medical facility that will be used by your business in the event of an accident or injury caused by a release or threatened release of hazardous material

HOSPITAL/CLINIC: **St. Francis Medical Center**	PHONE NO: **(800) 900-6652**
ADDRESS: **3630 E. Imperial Hwy**	
CITY: **Lynwood**	ZIP CODE: **90262**

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

C. Private Emergency Response

DOES YOUR BUSINESS HAVE A PRIVATE ON-SITE EMERGENCY RESPONSE TEAM? ☐ Yes ☑ No

If yes, provide an attachment that describes what policies and procedures your business will follow to notify your on-site emergency response team in the event of a release or threatened release of hazardous materials.

CLEANUP/DISPOSAL CONTRACTOR

List the contractor that will provide cleanup services in the event of a release.

NAME OF CONTRACTOR:	PHONE NO:
Ecology Control Industries	**(310) 354-9999**
ADDRESS: **19500 Normandie Avenue**	
CITY: **Torrance, CA**	ZIP CODE: **90501**

D. Arrangements With Emergency Responders

If you have made special (i.e. contractual) arrangements with any police department, fire department, hospital, contractor, or State or local emergency response team to coordinate emergency services, describe those arrangements on the lines below:

All LAUSD schools are served by the School District Police Department. In addition, they are supported by the District's Office of Environmental Health and Safety that has an Emergency Response team that is trained and licensed to oversee hazardous material clean-up.

E. Evacuation Plan

1. The following alarm signal(s) will be used to begin evacuation of the facility *(check all which apply)*:

☑ Verbal ☑ Telephone *(including cellular)* ☑ Alarm System ☑ Public Address System ☑ Intercom
☐ Pagers ☑ Portable Radio ☐ Other *(specify):*

2. ☑ Evacuation map is prominently displayed throughout the facility. **Yes. In the Safe School Plan**

3. ☑ Individual(s) responsible for coordinating evacuation including spreading the alarm and confirming the business has been evacuated: **All Administrative Staff, Certificated and Classified Staff - See Safe School Plan, Volume 2**

F. Earthquake Vulnerability

Identify areas of the facility where releases could occur or would require immediate inspection or isolation because of the vulnerability to earthquake related ground motion.

☑ Hazardous Waste/ Hazardous Materials Storage Areas ☐ Production Floor ☐ Process Lines
☐ Bench/ Lab ☐ Waste Treatment ☐ Other:

Identify mechanical systems where releases could occur or would require immediate inspection or isolation because of the vulnerability to earthquake related ground motion.

☑ Utilities ☑ Sprinkler Systems ☑ Cabinets ☑ Shelves
☐ Racks ☐ Pressure Vessels ☐ Gas Cylinders ☐ Tanks
☐ Process Piping ☑ Shutoff Valves ☐ Other:

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

G. Emergency Procedures

Briefly describe your business standard operating procedures in the event of a release or threatened release of hazardous materials:

1. **PREVENTION** (prevent the hazard) - Describe the kinds of hazards associated with the hazardous materials present at your facility. What actions would your business take to prevent these hazards from occurring? You may include a discussion of safety and storage procedures.

All Los Angeles City schools are limited to a small number of approved chemicals that are allowed on campus. Chemistry classes are encouraged to use "Micro Chemistry" to reduce the quantity of chemicals being used and stored on campus. Schools are not allowed to store or use any kinds of herbicides or pesticides for weed or pest management.

Gasoline drums shall be stored inside a locked flammable liquid storage room (i.e. gasoline bunker or block house) and shall be posted with 'No Smoking' and 'Flammable Liquid' signs outside the room. Gasoline drums shall be grounded with wire at all times. Diesel drums shall also be kept inside the flammable liquid storage room. 'No Smoking' and ' Combustible Liquid' signs shall be posted for diesel drums. Welding process shall not be conducted nearby this room. It is strongly suggested to store minimal quantity and to use secondary containment system for these drums.

Compressed gas cylinders shall be chained at all times. A compressed gas sign shall be posted on the cylinder(s) or by the cylinder(s). Waste oil and waste anti-freeze drums shall be kept inside the secondary containment system and affixed with completed hazardous waste labels

2. **MITIGATION** (reduce the hazard) - Describe what is done to lessen the harm or the damage to person(s), property, or the environment, and prevent what has occurred from getting worse or spreading. What is your immediate response to a leak, spill, fire, explosion, or airborne release at your business?

All Los Angeles City School personnel receive annual training on chemical safety. In addition, specific classes of employees receive additional training on chemical use and safety. At least once a year the schools are inspected by a School Safety Officer and chemical supplies are inspected. Outdated and unauthorized chemicals are removed.

3. **ABATEMENT** (remove the hazard) - Describe what you would do to stop and remove the hazard. How do you handle the complete process of stopping a release, cleaning up, and disposing of released materials at your facility?

All Los Angeles City Schools follow specific directions found in Safe School Plan, Volume 2 - Emergency Procedures. If a substance is released the students are evacuated to a safe zone, the release area is isolated and access is restricted. The School will call the Office of Environmental Health and Safety and their Emergency Reponse Team will work with local responders and district contractors to abate the condition.

Unified Program (UP) Form
CONSOLIDATED CONTINGENCY PLAN

SECTION I: BUSINESS PLAN AND CONTINGENCY PLAN

IV. Emergency Equipment

22 CCR, Section 66265.52(e) [as referenced by Section 66262.34(a)(3)] requires that emergency equipment at the facility be listed. Completion of the following Emergency Equipment Inventory Table meets this requirement.

1. Equipment Category	2. Equipment Type	3. Location *	4. Description**
Personal Protective, Equipment, Safety Equipment, and First Aid Equipment	☐ Cartridge Respirators		
	☐ Chemical Monitoring Equipment *(describe)*		
	☑ Chemical Protective Aprons/Coats	F-7	Science Class
	☑ Chemical Protective Boots	E-10;H-6;H-10	RUBBER BOOTS (PM office, supply trailer)
	☑ Chemical Protective Gloves	E-10;A-6;H-6;H-1	LATEX,NITRILE,RUBBER(PM,ER.Bin,trailer,nurse,scien
	☑ Chemical Protective Suits *(describe)*	I-1;E-8	TYVEK (Emergency Bin)
	☑ Face Shields	A-6;H-6;H-10	PLASTIC (E.R.Bin, supply trailer)
	☑ First Aid Kits/Stations *(describe)*	A-6;H-6;H-10;C-1	STANDARD (ER Bin, supply trailer, Nurses office)
	☑ Hard Hats	A-6	STANDARD PLASTIC (emergency trailer)
	☑ Plumbed Eye Wash Stations	F-7(403;405)	Science classrooms
	☑ Portable Eye Wash Kits *(i.e. bottle type)*	F-7 (ROOM 407)	Science classrooms
	☐ Respirator Cartridges *(describe)*		
	☑ Safety Glasses/Splash Goggles	A-6; F-7	STANDARD PLASTIC (E.R. Bin, Science class)
	☑ Safety Showers	F-7 (ROOM 403;4	Science class (Room 403, 405)
	☐ Self-Contained Breathing Apparatuses (SCBA)		
	☑ Other *(describe)*	G-11 (MAIN OFFI	DEFRIBRILATOR (Main office)
Fire Extinguishing Systems	☑ Automatic Fire Sptinkler Systems	THROUGHOUT	
	☑ Fire Alarm Boxes/Stations	THROUGHOUT	
	☑ Fire Extinguisher Systems *(describe)*	THROUGHOUT	
	☐ Other *(describe)*		
Spill Control Equipment and Decontamination Equipment	☑ Absorbents (describe)	A-6;G-10	SAW DUST(ER bin,supply trailer,chemical storg. rm)
	☐ Berms/Dikes (describe)		
	☐ Decontamination Equipment (describe)		
	☐ Emergency Tanks (describe)		
	☑ Exhaust Hoods	F-7	Room 403, Cafeteria
	☐ Gas Cylinders Leak Repair Kits (describe)		
	☐ Neutralizers (describe)		
	☐ Overpack Drums		
	☐ Sumps (describe)		
	☐ Other (describe)		
Communications and Alarm Systems	☐ Chemical Alarms (describe)		
	☑ Intercoms/ PA Systems	THROUGHOUT	
	☑ Portable Radios	THROUGHOUT	
	☑ Telephones	THROUGHOUT	
	☐ Underground Tank Leak Detection Monitors		
	☐ Other (describe)		
Additional Equipment (Use Additional Pages if Needed.)			

**Use the Location Codes (LC) from the Site Map(s) prepared for your Contingency Plan.*

***Describe the equipment and its capabilities. If applicable, specify any testing/maintenance procedures/intervals. Attach additional pages, numbered appropriately, if needed.*

UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☐ ADD ☐ DELETE ☑ REVISE REPORTING YEAR 2011 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Elizabeth Learning Center

CHEMICAL LOCATION 201

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) ☐ Yes ☑ No 202

FACILITY ID #

MAP# (optional) 203 **See Page 18**

GRID# (optional) 204 **D-12**

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
GASOLINE

TRADE SECRET ☐ Yes ☑ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME **GASOLINE** 207

EHS* ☐ Yes ☑ No 208

CAS# **8000-61-9** 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☑ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 12

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☑ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER **55 GALLONS** 215

FED HAZARD CATEGORIES (Check all that apply) ☑ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☑ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
30 gallons	**55 gallons**	**NA**	**NA**

UNITS* (Check one item only) ☑ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: **365** 222

STORAGE CONTAINER
☐ a. ABOVE GROUND TANK ☐ B. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☑ d. STEEL DRUM
☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO
☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ l. CYLINDER
☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☐ o. TOE BIN ☐ p. TANK WAGON
☐ q. RAIL CAR ☐ r. OTHER
223

STORAGE PRESSURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100-90 226	**GASOLINE** 27	☐ Yes ☑ No 228	**8006-61-9** 229
<9 230	**BUTANE** 31	☐ Yes ☑ No 232	**106-97-8** 233
<6 234	**PENTANE** 35	☐ Yes ☑ No 236	**109-66-0** 237
<4 238	**N-HEXANE** 39	☐ Yes ☑ No 240	**110-54-3** 241
<8 242	**HEXANE** 43	☐ Yes ☑ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY	DATE RECEIVED	REVIEWED BY

DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☐ ADD ☐ DELETE ☑ REVISE REPORTING YEAR 2011 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Elizabeth Learning Center

CHEMICAL LOCATION 201

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) ☐ Yes ☑ No 202

FACILITY ID # | MAP# (optional) 203 **See Page 18** | GRID# (optional) 204 **D-12**

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
DIESEL

TRADE SECRET ☐ Yes ☑ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME **DIESEL** 207

EHS* ☐ Yes ☑ No 208

CAS# **68476-34-6** 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☑ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 12

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☑ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER **55 GALLONS** 215

FED HAZARD CATEGORIES (Check all that apply) ☑ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☑ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
30 gallons	**55 gallons**	**NA**	**NA**

UNITS* (Check one item only) ☑ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: **365** 222

STORAGE CONTAINER
☐ a. ABOVE GROUND TANK ☐ B. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☑ d. STEEL DRUM
☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO
☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ i. CYLINDER
☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☐ o. TOE BIN ☐ p. TANK WAGON
☐ q. RAIL CAR ☐ r. OTHER
223

STORAGE PRESSURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100 226	**DIESEL FUEL** 27	☐ Yes ☑ No 228	**68476-34-6** 229
<0.1 230	**NAPHTHALENE** 31	☐ Yes ☑ No 232	**91-20-3** 233
234	35	☐ Yes ☐ No 236	237
238	39	☐ Yes ☐ No 240	241
242	43	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☐ ADD ☑ DELETE ☐ REVISE REPORTING YEAR 2011 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Elizabeth Learning Center

CHEMICAL LOCATION 201

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) ☐ Yes ☑ No 202

FACILITY ID # | MAP# (optional) 203 **See Page 18** | GRID# (optional) 204 **E-10**

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
Soil

TRADE SECRET ☐ Yes ☑ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME **Soil contaminated with arsenic** 207

EHS* ☐ Yes ☑ No 208

CAS# 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☑ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 212 | CURIES 213

PHYSICAL STATE (Check one item only) ☑ a. SOLID ☐ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER **55 gallon drum** 215

FED HAZARD CATEGORIES (Check all that apply) ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
0	0	0	NA

UNITS* (Check one item only) ☐ a. GALLONS ☐ b. CUBIC FEET ☑ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: 222

STORAGE CONTAINER 223

☐ a. ABOVE GROUND TANK	☐ e. PLASTIC/NONMETALLIC DRUM	☐ i. FIBER DRUM	☐ m. GLASS BOTTLE	☐ q. RAIL CAR
☐ B. UNDERGROUND TANK	☐ f. CAN	☐ j. BAG	☐ n. PLASTIC BOTTLE	☐ r. OTHER
☐ c. TANK INSIDE BUILDING	☐ g. CARBOY	☑ k. BOX	☐ o. TOE BIN	
☑ d. STEEL DRUM	☐ h. SILO	☐ l. CYLINDER	☐ p. TANK WAGON	

STORAGE PRESSURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100 226	Soil contaminated with arsenic 27	☐ Yes ☑ No 228	229
230	31	☐ Yes ☐ No 232	233
234	35	☐ Yes ☐ No 236	237
238	39	☐ Yes ☐ No 240	241
242	43	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY	DATE RECEIVED	REVIEWED BY

DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☐ ADD ☑ DELETE ☐ REVISE REPORTING YEAR 2011 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Elizabeth Learning Center

CHEMICAL LOCATION 201

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) ☐ Yes ☑ No 202

FACILITY ID # | MAP# (optional) 203 **See Page 18** | GRID# (optional) 204 **F-7**

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
Non-RCRA hazardous waste liquid

TRADE SECRET ☐ Yes ☑ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME **Non-RCRA hazardous waste liquid** 207

EHS* ☐ Yes ☑ No 208

CAS# 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☑ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 12

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☑ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER **5 gallon** 215

FED HAZARD CATEGORIES (Check all that apply) ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
0	0	0	NA

UNITS* (Check one item only) ☑ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: 222

STORAGE CONTAINER 223

☐ a. ABOVE GROUND TANK	☑ e. PLASTIC/NONMETALLIC DRUM	☐ i. FIBER DRUM	☑ m. GLASS BOTTLE	☐ q. RAIL CAR
☐ B. UNDERGROUND TANK	☐ f. CAN	☐ j. BAG	☐ n. PLASTIC BOTTLE	☐ r. OTHER
☐ c. TANK INSIDE BUILDING	☐ g. CARBOY	☐ k. BOX	☐ o. TOE BIN	
☐ d. STEEL DRUM	☐ h. SILO	☐ i. CYLINDER	☐ p. TANK WAGON	

STORAGE PRESSURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100 226	Non-RCRA hazardous waste liquid 27	☐ Yes ☑ No 228	229
230	31	☐ Yes ☐ No 232	233
234	35	☐ Yes ☐ No 236	237
238	39	☐ Yes ☐ No 240	241
242	43	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY	DATE RECEIVED	REVIEWED BY

DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☐ ADD ☑ DELETE ☐ REVISE REPORTING YEAR 2011 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Elizabeth Learning Center

201

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) ☐ Yes ☑ No 202

FACILITY ID # | MAP# (optional) 203 **See Page 18** | GRID# (optional) 204 **E-10**

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
Used paint and wax

TRADE SECRET ☐ Yes ☑ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME **Used paint and wax** 207

EHS* ☐ Yes ☑ No 208

CAS# 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☑ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 12 | CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☑ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER **5 gallon bucket** 215

FED HAZARD CATEGORIES (Check all that apply) ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
0	0	0	NA

UNITS* (Check one item only) ☑ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: 222

STORAGE CONTAINER
☐ a. ABOVE GROUND TANK ☑ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ B. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON
223

STORAGE PRESSURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100 226	Used paint and wax 27	☐ Yes ☑ No 228	229
230	31	☐ Yes ☐ No 232	233
234	35	☐ Yes ☐ No 236	237
238	39	☐ Yes ☐ No 240	241
242	43	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY	DATE RECEIVED	REVIEWED BY

DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☐ ADD ☑ DELETE ☐ REVISE REPORTING YEAR 2011 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Elizabeth Learning Center

CHEMICAL LOCATION 201

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) ☐ Yes ☑ No 202

FACILITY ID # | MAP# (optional) 203 **See Page 18** | GRID# (optional) 204 **E-10**

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
Burned out light bulbs

TRADE SECRET ☐ Yes ☑ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME **Burned out light bulbs** 207

EHS* ☐ Yes ☑ No 208

CAS# 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☑ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 12

CURIES 213

PHYSICAL STATE (Check one item only) ☑ a. SOLID ☐ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER **0.5 cubic feet box** 215

FED HAZARD CATEGORIES (Check all that apply) ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
0	0	0	NA

UNITS* (Check one item only) ☐ a. GALLONS ☐ b. CUBIC FEET ☑ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: 222

STORAGE CONTAINER
☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ B. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☑ k. BOX ☐ o. TOE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON
223

STORAGE PRESSURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100 226	Burned out light bulbs 27	☐ Yes ☑ No 228	229
230	31	☐ Yes ☐ No 232	233
234	35	☐ Yes ☐ No 236	237
238	39	☐ Yes ☐ No 240	241
242	43	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY	DATE RECEIVED	REVIEWED BY

DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☑ ADD ☐ DELETE ☐ REVISE REPORTING YEAR 2011 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Elizabeth Learning Center

CHEMICAL LOCATION 201

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) ☐ Yes ☑ No 202

FACILITY ID # 203

MAP# (optional) **See Page 18** 203

GRID# (optional) **F-7** 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
Corrosive solid NOS

TRADE SECRET ☐ Yes ☑ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME **Sodium hydroxide** 207

EHS* ☐ Yes ☑ No 208

CAS# 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☑ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 12

CURIES 213

PHYSICAL STATE (Check one item only) ☑ a. SOLID ☐ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER **5 gal bucket** 215

FED HAZARD CATEGORIES (Check all that apply) ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
12 pounds	**25 pounds**	**25 pounds**	**D002/551**

UNITS* (Check one item only) ☐ a. GALLONS ☐ b. CUBIC FEET ☑ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: **60** 222

STORAGE CONTAINER
☐ a. ABOVE GROUND TANK ☑ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ B. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON
223

STORAGE PRESSURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100 226	**Sodium hydroxide** 27	☐ Yes ☑ No 228	229
230	31	☐ Yes ☐ No 232	233
234	35	☐ Yes ☐ No 236	237
238	39	☐ Yes ☐ No 240	241
242	43	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

UNIFIED PROGRAM (UP) FORM
HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☑ ADD ☐ DELETE ☐ REVISE REPORTING YEAR 2011 200 Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)
Elizabeth Learning Center

CHEMICAL LOCATION 201

CHEMICAL LOCATION CONFIDENTIAL (EPCRA) ☐ Yes ☑ No 202

FACILITY ID # 203

MAP# (optional) **See Page 18** 203

GRID# (optional) **F-7** 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
Waste caustic alkali liquid NOS

TRADE SECRET ☐ Yes ☑ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME **Ammonium hydroxide** 207

EHS* ☐ Yes ☑ No 208

CAS# 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☑ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 12

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☑ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER **5 gal bucket** 215

FED HAZARD CATEGORIES (Check all that apply) ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☑ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
0.5 gal	1 gal	1 gal	D002/551

UNITS* (Check one item only) ☑ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: **60** 222

STORAGE CONTAINER
☐ a. ABOVE GROUND TANK ☑ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ B. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ i. CYLINDER ☐ p. TANK WAGON
223

STORAGE PRESSURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a.AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ c. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100 226	Ammonium hydroxide 27	☐ Yes ☑ No 228	229
230	31	☐ Yes ☐ No 232	233
234	35	☐ Yes ☐ No 236	237
238	39	☐ Yes ☐ No 240	241
242	43	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here
(Facilities reporting Chemicals subject to EPCRA reporting thresholds must sign each Chemical Description page for each EPCRA reported chemical.)

OFFICIAL USE ONLY		DATE RECEIVED		REVIEWED BY		
DIV	BN	STA	OTHER	DISTRICT	CUPA	PA

UNIFIED PROGRAM (UP) FORM
HAZARDOUS WASTE GENERATOR

PAGE OF

BUSINESS NAME: Elizabeth Learning Center		
FACILITY ID #	NO. OF EMPLOYEES: 33b 2	EPA ID # CAR000193862

I. TYPE OF GENERATOR

PLEASE CHECK THE FOLLOWING BOXES THAT APPLY

	RCRA GENERATOR (FEDERAL WASTE)	NON -RCRA GENERATOR (CALIFORNIA WASTE ONLY)
LARGE QUANTITY GENERATOR (>1000 KG HAZARDOUS WASTE PER MONTH)	☐	☐
SMALL QUANTITY GENERATOR (>100 KG BUT <1000 KG HAZARDOUS WASTE PER MONTH)	☐	☐
CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR (< 100 KG HAZARDOUS WASTE PER MONTH)	☑	☐

II. WASTE STREAM IDENTIFICATION

PLEASE COMPLETE THE TABLE BELOW. SEE INSTRUCTIONS FOR CODES AND EXPLANATION.

PROCESS	WASTE DESCRIPTION	WASTE ID	AMOUNT PER YEAR	DISPOSAL METHOD	STORAGE METHOD
Science	Caustic alkali liquid NOS	D002/551	1 gal	Recycling	Lab pack
Science	Corrosive solid NOS	D002/551	25 pounds	Recycling	Lab pack

I certify that the information provided herein is true and accurate to the best of my knowledge.

OWNER/OPERATOR NAME Sharon Sweet	OWNER/OPERATOR TITLE Principal
OWNER/OPERATOR SIGNATURE Sharon Sweet	DATE 11/18/2011

OFFICIAL USE ONLY	DATE RECEIVED	REVIEWED BY	
CUPA	PA	DISTRICT	INSPECTOR

STATE OF CALIFORNIA
ENVIRONMENTAL PROTECTION AGENCY
DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Agreement Regarding:	)	Docket Number: HSA-MEOA 99/00-051
	)	
Los Angeles Unified School District	)	Master Oversight Agreement
School Sites	)	
Los Angeles, California	)	Health and Safety Code
	)	section 25355.5(a)(1)(C)
Project Proponent:	)	and Education Code sections
	)	17213.1 and 17213.2
Los Angeles Unified	)	
School District	)	

I.
INTRODUCTION.

1.1 Parties. The California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) enters into this Master Oversight Agreement (Agreement) with the Los Angeles Unified School District (LAUSD). DTSC and LAUSD are referred to collectively herein as the "Parties".

1.2 Sites. The properties which are the subject of this Agreement (sites) are located within the City of Los Angeles and in unincorporated areas of Los Angeles County. The terms and conditions of this Agreement apply to all sites where LAUSD requires DTSC oversight pursuant to the Education Code, Chapter 12.5, section 17070.10 et seq. where a Phase I, Preliminary Endangerment Assessment, and/or a response action is required at a site.

1.3 Jurisdiction. This Agreement is entered into by DTSC and LAUSD pursuant to Health and Safety Code section 25355.5(a)(1)(C) and Education Code

sections 17213.1 and 17213.2. These sections authorize DTSC to enter into an enforceable agreement with LAUSD to oversee response actions at the sites.

1.4 Purpose. The Purpose of this Agreement is to meet the following Education Code requirements. As a condition of receiving state funding, prior to acquisition of a schoolsite, or if LAUSD owns or leases a schoolsite, prior to the construction of a project, LAUSD must comply with Education Code sections 17213.1 and 17213.2. The general steps to fulfill these requirements are:

(a) LAUSD shall complete a Preliminary Endangerment Assessment/Preliminary Environmental Assessment (PEA) pursuant to Education Code section 17213.1(a)(4)(B). After completion of the PEA, LAUSD may elect to pursue or not pursue the acquisition or the construction project. If LAUSD elects to continue the process, and DTSC approves the PEA determination that further action is necessary, then

(b) LAUSD shall develop and implement a response action(s), and other associated activities, as necessary, under the oversight of DTSC in an effort to satisfy statutory and regulatory requirements, and satisfactorily mitigate environmental impacts at the sites and receive site certifications.

The purpose of this Agreement is also to ensure reimbursement to DTSC for all costs it incurs in performing activities under this Agreement, which include, but are not limited to, costs associated with development of this Agreement, review of Phase I reports and PEAs, oversight of any response actions taken under this Agreement, and any other activities undertaken by DTSC to implement and enforce the terms of this

Agreement.

II.
BACKGROUND

2.1 Ownership. LAUSD owns, leases, or is in the process of acquiring all sites that are covered by this Agreement.

2.2 Substances Identified at Sites. Hazardous substances and/or hazardous materials identified at sites requiring further investigation or response action(s) shall be identified in some or all of the following reports as applicable to individual sites: the PEA, Remedial Investigation (RI), Supplemental Site Investigation (SSI), Removal Action Workplan (RAW), or Remedial Action Workplan (RAP).

2.3 Physical Description. The specific physical description for each site shall be incorporated into the reports described in Section 2.2, as appropriate for the site.

2.4 History and Status. The history of each site shall be included in the reports described in Section 2.2 of this Agreement.

III.
AGREEMENT

3.0 **IT IS HEREBY AGREED THAT DTSC** will provide review, approval and oversight, as applicable, of all reports, investigations, documents and/or response actions submitted or conducted under this Agreement and/or required pursuant to Education Code section 17210 et seq. for all applicable LAUSD sites. This includes, but is not limited to, Phase I Environmental Site Assessments, reports or documents identified in Section 2.2 of this Agreement and/or the Scope of Work (attached and incorporated as Exhibit C), and other reports or documents required to implement this

Agreement. LAUSD shall conduct all activities required under this Agreement in the manner specified herein and/or in a document required and approved by DTSC; and in accordance with the schedule specified in a RAP or other document required and approved by DTSC. All work and activities shall be performed consistent with Health and Safety Code section 25300 et seq., as amended; the National Contingency Plan (40 Code of Federal Regulations (C.F.R.) § 300 et seq.), as amended; and U.S. EPA and DTSC Superfund guidance documents regarding site investigation and remediation.

3.1 Scope of Work and DTSC Oversight. DTSC shall review and provide LAUSD with written comments on all LAUSD deliverables as described in Exhibit C (Scope of Work) and other documents determined by DTSC to be necessary to the scope of a specific project or the implementation of this Agreement. DTSC will use its best efforts to respond within the scheduled deadlines set forth in the project specific Scope of Work. DTSC shall provide oversight and approval of field activities, including sampling and remedial activities as appropriate.

3.2 Additional Activities. Additional activities approved by DTSC may be conducted and DTSC oversight provided by amendment to any site specific document drafted and approved by DTSC under this Agreement. If DTSC expects additional oversight costs to be incurred related to these additional activities, DTSC will provide a written estimate of the additional oversight cost to LAUSD with a description of the additional activities and projected staff hours needed for these activities.

3.3 Agreement Managers. Mr. Thomas Cota, Performance Manager, Schools

Evaluation and Brownfield Outreach, is designated by DTSC as its manager for this Agreement. Ms. Yi Hwa Kim, Deputy Director, Office of Environmental Health and Safety, is assigned by LAUSD as its manager for this Agreement. Each Party to this Agreement shall provide at least ten (10) days advance written notice to the other of any change in its designated manager.

3.4 Notices and Submittals. All notices, documents and communications required to be given under this Agreement, unless otherwise specified herein, shall be sent to the respective Parties at the following addresses in a manner that produces a record of the sending of the notice, document or communication such as certified mail, electronic mail, overnight delivery service, facsimile transmission or courier hand delivery service:

To DTSC:

Mr. Thomas Cota, Performance Manager
Schools Evaluation and Brownfield Outreach
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, California 90630

To LAUSD:

Ms. Yi Hwa Kim, Deputy Director
Office of Environmental Health and Safety
Los Angeles Unified School District
1055 West 7th Street, 9th Floor
Los Angeles, California 90017

With a copy to:

Los Angeles Unified School District
Office of the General Counsel
355 S. Grand Avenue, Suite 1100
Los Angeles, California 90017
Attn: Jay F. Golida, Esq.

3.5 DTSC Review and Approval.

(a) All response actions taken pursuant to this Agreement shall be subject to the approval of DTSC. LAUSD shall submit all deliverables required by this Agreement to DTSC. Once the deliverables are approved by DTSC, they shall be subject to the terms of, and be enforceable pursuant to, this Agreement.

(b) If DTSC determines that any report, plan, schedule or other document submitted for review and approval pursuant to this Agreement fails to comply with this Agreement or fails to protect public health or safety or the environment, DTSC may (1) return comments to LAUSD with recommended changes and a date by which LAUSD must submit to DTSC a revised document incorporating the recommended changes; or (2) modify the document as deemed necessary and approve the document as modified.

(c) Any modifications, comments or other directives issued pursuant to (b) above, are incorporated into this Agreement. Any noncompliance with these modifications or directives, after DTSC has given LAUSD written notice and an opportunity to correct the noncompliance pursuant to Health and Safety Code section 25355.5(a)(2), shall be deemed a failure or refusal to comply with this Agreement.

3.6 Communications. All approvals and decisions made regarding submittals and notifications will be communicated to LAUSD in writing by the DTSC Agreement Manager or his/her designee. No informal advice, guidance, suggestions or comments by DTSC regarding reports, plans, specifications, schedules or any other writings by LAUSD shall be construed to relieve the party of the obligation to obtain such written approvals.

3.7 Endangerment During Implementation. In the event DTSC determines that any activity (whether or not pursued in compliance with this Agreement) may pose an imminent or substantial endangerment to the health and safety of people on the site, or surrounding area or to the environment, DTSC may order LAUSD to stop further implementation of this Agreement for such period of time as may be needed to abate the endangerment.

3.8 Payment. LAUSD agrees to pay (1) all costs incurred by DTSC in association with preparation and implementation of this Agreement and for review of documents submitted prior to the effective date of the Agreement, and (2) all costs incurred by DTSC in providing review and/or oversight pursuant to this Agreement, including, but not limited to, review of the documents described in this Agreement and associated documents, and in providing oversight of field activities. DTSC will provide LAUSD with quarterly invoices, which contain a detailed accounting and supporting documentation of all expenditures during the previous quarter. DTSC will assign a site-specific CalStars Site Code for each site which is reviewed under this Agreement. LAUSD shall make payment within sixty (60) days of receipt of DTSC's billing. DTSC will submit all bills to:

Ms. Yi Hwa Kim, Deputy Director
Office of Environmental Health and Safety
Los Angeles Unified School District
1055 West 7th Street, 9th Floor
Los Angeles, California 90017

3.8.1 If any bill is not paid by LAUSD within sixty (60) days after it is sent by DTSC, LAUSD may be deemed to be in material default of this Agreement. Any billing

not paid within sixty (60) days is subject to interest calculated from the date of the billing pursuant to Health and Safety Code section 25360.1.

3.8.2 All payments made by LAUSD pursuant to this Agreement shall be by check made payable to the "Department of Toxic Substances Control", and bearing on its face the Envirostor Site Code and the Docket Number (HSA-MEOA 99/00-051) of this Agreement. Payments shall be sent to:

Department of Toxic Substances Control
Accounting/Cashier
1001 I Street, 21st Floor
P.O. Box 806
Sacramento, California 95812-0806

A photocopy of the warrant or check shall be sent concurrently to the DTSC Agreement Manager.

3.9 Operation and Maintenance (O&M). LAUSD shall comply with all O&M requirements in accordance with the final approved RAW, RAP, and/or approved Remedial Design or other document, as applicable. Within 30 days of the date of DTSC's request, LAUSD shall prepare and submit to DTSC for approval an O&M workplan that includes an implementation schedule. LAUSD shall implement the O&M workplan in accordance with the approved schedule.

3.10 Record Retention. DTSC shall retain all cost records associated with the work performed under this Agreement for such time periods as may be required by applicable state law. LAUSD may request to inspect all documents which support DTSC=s cost determination in accordance with the Public Records Act, Government Code section 6250 et seq. All such data, reports and other documents shall be

preserved by LAUSD for a minimum of ten years after the conclusion of all activities under this Agreement. If DTSC requests that some or all of these documents be preserved for a longer period of time, LAUSD shall either comply with that request or deliver the documents to DTSC, or permit DTSC to copy the documents prior to destruction. LAUSD shall notify DTSC in writing, at least six months prior to destroying any documents prepared pursuant to this Agreement.

3.11 Project Manager. The work performed by and on behalf of LAUSD pursuant to this Agreement shall be under the direction and supervision of a project manager with expertise in hazardous substance site cleanup. LAUSD shall submit: a) the name and address of the project manager; and b) in order to demonstrate expertise in hazardous substance site cleanup, the resume of the project manager. All engineering and geological work shall be conducted in conformance with applicable state law, including but not limited to, Business and Professions Code sections 6735 and 7835 et al.

3.12 Access. LAUSD shall provide, and/or obtain access to the sites and offsite areas to which access is necessary to implement this Agreement. In the event the sites are not owned by LAUSD, LAUSD shall use its best efforts to obtain access to the sites. Such access shall be provided to DTSC employees, contractors, and consultants at all reasonable times. Nothing in this paragraph is intended or shall be construed to limit in any way the right of entry or inspection that DTSC or any other agency may otherwise have by operation of any law. DTSC and its authorized representatives shall have the authority to enter and move freely about all property at

the sites at all reasonable times for purposes including, but not limited to: inspecting records, operating logs, sampling and analytic data, and contracts relating to these sites; reviewing the progress of LAUSD in carrying out the terms of this Agreement; conducting such tests as DTSC may deem necessary; and verifying the data submitted to DTSC by LAUSD.

3.13 Sampling, Data and Document Availability. When requested by DTSC, LAUSD shall make available to DTSC, and shall provide copies of, all data and information concerning contamination at the sites, including technical records and contractual documents, sampling and monitoring information and photographs and maps, whether or not such data and information was developed pursuant to this Agreement. DTSC shall make all sampling, data, and documents available to LAUSD pursuant to the Public Records Act, Government Code Section 6250, applicable DTSC policies, or if LAUSD is required to immediately respond to staff, students, parents or other regulatory agency.

3.14 Notification of Field Activities. LAUSD shall inform DTSC at least seven (7) days in advance of all field activities pursuant to this Agreement and shall allow DTSC and its authorized representatives to take duplicates of any samples collected by LAUSD pursuant to this Agreement.

3.15 Notification of Environmental Condition.

(a) LAUSD shall notify the DTSC Project Manager and DTSC Agreement Manager immediately upon learning of any condition at a site posing an immediate threat to public health or safety or the environment, including new sites and sites that

were previously approved by DTSC. LAUSD shall take any immediate response actions necessary to prevent human exposure to or migration of contamination, but shall seek DTSC's support and oversight of such actions at the earliest possible time, but not later than 72 hours. Within seven (7) days of the onset of such a condition, LAUSD shall furnish a report to DTSC, signed by LAUSD's Project Manager, setting forth the events which occurred and the measures taken in the response thereto.

(b) LAUSD shall notify the DTSC Project Manager and DTSC Agreement Manager immediately if, at any time during construction activities at a site, a previously unidentified release or threatened release of a hazardous material or the presence of a naturally occurring hazardous material, pursuant to Education Code section 17210 et seq., is discovered. LAUSD shall cease all activities at the site immediately, except those conducted with DTSC oversight. Construction activities shall not be resumed until DTSC has determined in writing that such activities a) will not interfere with any response action necessary to address the hazardous material release or threatened release or the presence of a naturally occurring hazardous material, b) DTSC determines that the site conditions will not pose a significant threat to the health and safety of workers involved in construction at the site, and c) DTSC certifies that the nature and extent of the release, threatened release, or presence of a naturally occurring hazardous material have been fully characterized. Construction activities may also proceed at portions of the site that DTSC determines in writing are not affected by the release or threatened release and the other requirements of Education Code section 17213.2(e) are met.

3.16 Preservation of Documentation. LAUSD shall maintain a central repository of the data, reports, and other documents prepared pursuant to this Agreement. All such data, reports and other documents shall be preserved by LAUSD for a minimum of six (6) years after the conclusion of all activities carried out under this Agreement. If DTSC requests that some or all of these documents be preserved for a longer period of time, LAUSD shall either comply with that request, deliver the documents to DTSC, or provide DTSC with copies of the documents prior to destruction. LAUSD shall notify DTSC in writing at least ninety (90) days prior to the expiration of the six-year minimum retention period before destroying any documents prepared pursuant to this Agreement. If any litigation, claim, negotiation, audit or other action involving the records has been started before the expiration of the six-year period, the related records shall be retained until the completion and resolution of all issues arising therefrom or until the end of the six-year period, whichever is later.

3.17 Amendments. This Agreement may be amended or modified solely upon written consent of all Parties. Such amendments or modifications may be proposed by any Party and shall be effective the third business day following the day the last Party signing the amendment or modification sends its notification of signing to the other Party. The Parties may agree to a different effective date.

3.18 Exhibits. All exhibits identified in and attached to this Agreement are incorporated herein by this reference.

3.19 Time Periods. Unless otherwise specified, time periods begin from the date this Agreement is fully executed, and "days" means calendar days. "Business

days" means all calendar days that are not weekends or official State holidays.

3.20 LAUSD Liabilities. Nothing in this Agreement shall constitute or be considered a satisfaction or release from liability for any condition or claim arising as a result of LAUSD's past, current, or future operations. Nothing in this Agreement is intended or shall be construed to limit the rights of any of the Parties with respect to claims arising out of or relating to the deposit or disposal at any other location of substances removed from the sites.

3.21 Penalties for Noncompliance. LAUSD may be liable for penalties for each day out of compliance with any term or condition set forth in this Agreement as a result of LAUSD's failure to comply, pursuant to Health and Safety Code sections 25359.2 and 25367. LAUSD may be deemed in noncompliance with this Agreement for, among other things, (1) failure to comply with any term or condition of this Agreement, (2) failure to comply with any requirement in Education Code section 17210 et seq. that requires LAUSD to cease construction activities at a site, report to or notify DTSC of any events or conditions at a site, (3) failure to take actions regarding hazardous materials, including naturally occurring hazardous materials, as required under this Agreement or applicable sections of the Education Code or Health and Safety Code, (4) failure to disclose relevant information to DTSC on matters within its jurisdiction or necessary to implement this Agreement or perform under applicable sections of the Education Code, and (5) failure to obtain any required or necessary approvals from DTSC for all response actions taken at a site.

3.22 Government Liabilities. The State of California shall not be liable for any

injuries or damages to persons or property resulting from acts or omissions by LAUSD or by related parties in carrying out activities pursuant to this Agreement, nor shall the State of California be held as a party to any contract entered into by LAUSD or its agents in carrying out the activities pursuant to this Agreement.

3.23 Third-Party Actions. In the event that LAUSD is or becomes a party to any suit or claim for damages or contribution relating to the sites to which DTSC is not a party, LAUSD shall notify DTSC in writing within ten (10) days after service of the complaint in the third-party action. LAUSD shall pay all costs incurred by DTSC relating to such third-party actions, including but not limited to responding to subpoenas.

3.24 Reservation of Rights. DTSC and LAUSD reserve the following rights:

3.24.1 DTSC reserves its right to pursue cost recovery under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), as amended, Health and Safety Code section 25360 et seq., and any other applicable provision of the law.

3.24.2 Nothing in this Agreement is intended or shall be construed to limit or preclude DTSC from taking any action authorized by law or equity to protect public health and safety or the environment and recovering the costs thereof.

3.24.3 Nothing in this Agreement shall constitute or be construed as a waiver of LAUSD's rights, (including any covenant not to sue or release) with respect to any claim, cause of action, or demand in law or equity that LAUSD may have against any "person", as defined in Section 101(21) of CERCLA, or Health and Safety Code section 25319, that is not a signatory to this Agreement.

3.24.4 By entering into this Agreement, LAUSD does not admit to any fact, fault or liability under any statute or regulation.

3.25 Dispute Resolution. The Parties agree to use their best efforts to resolve all disputes informally. The Parties agree that the procedures contained in this section are the required administrative procedures for resolving disputes arising under this Agreement. If LAUSD fails to follow the procedures contained in this section, it shall have waived its right to further contest the disputed issue. LAUSD reserves its legal rights to contest or defend against any final decision rendered by DTSC under this section. Disputes regarding DTSC billings shall follow the procedures set forth in Section 3.27.3.

3.25.1 LAUSD shall first seek resolution with DTSC=s assigned project manager and unit chief. If the issue is not resolved after review by the unit chief, LAUSD shall seek resolution with the DTSC branch chief by presenting in a letter the issues in dispute, the legal or other basis for LAUSD position, and the remedy sought. The branch chief shall issue a written decision with an explanation for the decision within fifteen (15) business days after receipt of the letter from LAUSD.

3.25.2 If LAUSD disagrees with the branch chief=s decision, LAUSD may appeal to the School Property Evaluation and Cleanup Division, division chief. To appeal to the division chief, LAUSD must prepare a letter stating the reasons why the branch chief=s decision is not acceptable. Attached to the letter shall be (a) LAUSD=s original statement of dispute, (2) supporting documents, and (3) copies of any responses prepared by the project manager, unit chief, and branch chief. This letter

and attachments shall be sent to the division chief within ten (10) business days from the date of LAUSD receipt of the branch chief=s response. The division chief or designee shall review LAUSD 's letter and supporting documents, consider the issues raised and render a written decision to LAUSD within fifteen (15) business days of receipt of LAUSD 's letter. The decision of the division chief, or designee, shall constitute DTSC=s administrative decision on the issues in dispute.

3.25.3 If LAUSD disputes a DTSC billing, or any part thereof, LAUSD shall notify DTSC=s assigned project manager and attempt to informally resolve the dispute with DTSC=s project manager and branch chief. If LAUSD desires to formally request dispute resolution with regard to the billing, LAUSD shall file a request for dispute resolution in writing within 45 days of the date of the billing in dispute. The written request shall describe all issues in dispute and shall set forth the reasons for the dispute, both factual and legal. If the dispute pertains only to a portion of the costs included in the invoice, LAUSD shall pay all costs which are undisputed in accordance with Section 3.8. The filing of a notice of dispute pursuant to this section shall not stay the accrual of interest on any unpaid costs pending resolution of the dispute. The written request shall be sent to:

Special Assistant for Cost Recovery and Reimbursement Policy
Department of Toxic Substances Control
P.O. Box 806
Sacramento, CA 95812-0806

A copy of the written request for dispute resolution shall also be sent to the person designated by DTSC to receive submittals under this Agreement. A decision on the billing dispute will be rendered by the Special Assistant for Cost Recovery and

Reimbursement Policy or other DTSC designee.

3.25.4 The existence of a dispute shall not excuse, stay, or suspend any other compliance obligation or deadline required pursuant to this Agreement.

3.26 Removal of Sites from the Agreement.

A. Removal of Sites. In the event LAUSD elects not to pursue the acquisition or the construction project, after completion of a PEA, LAUSD may remove the site from the terms of this Agreement upon written notice to DTSC.

B. Withdrawal or Rescission. In the event LAUSD withdraws or rescinds its application for state funds for an individual school site or school project pursuant to the California Code of Regulations, title 2, section 1859.107, as amended, and all applicable regulations, procedures, and policies implementing Chapter 12.5 (Leroy F. Greene School Facilities Act of 1998) of the Education Code commencing with 17070.10 as amended, or in the event LAUSD' s request for final site and plan approval for the school site is not approved by California Department of Education, or LAUSD's request for full and final funding is not approved by the SAB, LAUSD, upon giving thirty (30) days written notice, shall be entitled to remove the site from the terms of Agreement.

C. Contamination Remains In Place. Provided LAUSD is the owner of the Property as defined under the applicable provisions of the Health and Safety Code and subject to the jurisdiction of DTSC, if contamination exceeds levels that are protective of human health, safety and the environment, DTSC may issue an order to LAUSD requiring completion of cleanup pursuant to Health and Safety Code, chapter 6.5

(Hazardous Waste Control) commencing at Health and Safety Code section 25100 and chapter 6.8 (Hazardous Substance Account) commencing at 25300 of the Health and Safety Code, as applicable. If DTSC determines that contamination may remain in place under restrictions limiting future land use, LAUSD may be required to develop engineering controls and institutional controls, and to enter into an operations and maintenance agreement and/or a land use covenant with DTSC to protect public health and the environment

D. This Agreement will be terminated, as to a specifically identified site, pursuant to a written notice from DTSC to LAUSD and the Department of Education, when DTSC makes a determination based upon a PEA, SSI, or other document that no further remediation is necessary at the site. DTSC may require institutional controls, such as a land use covenant restricting use at the site when contamination remains in place. Once LAUSD has implemented the DTSC-approved institutional controls, this Agreement will be terminated, as to a specifically identified site, pursuant to a written notice from DTSC to LAUSD and the Department of Education, stating such determination.

3.27 Compliance with Applicable Laws. Nothing in this Agreement shall relieve LAUSD from complying with all applicable laws and regulations, and LAUSD shall conform all actions required by this Agreement with all applicable federal, state and local laws and regulations.

3.28 California Law. This Agreement shall be governed, performed and interpreted under the laws of the State of California.

3.29 Severability. If any portion of this Agreement is ultimately determined not to be enforceable, that portion will be severed from the Agreement and the severability shall not affect the enforceability of the remaining terms of the Agreement.

3.30 Parties Bound. This Agreement applies to and is binding, jointly and severally, upon each signatory and its officers, directors, agents, receivers, trustees, heirs, executors, administrators, successors, and assigns, and upon any successor agency of the State of California that may have responsibility for and jurisdiction over the subject matter of this Agreement. No change in the ownership or corporate or business status of the facility or site shall alter any signatory's responsibilities under this Agreement. LAUSD shall be responsible for and liable for any failure to carry out all activities or tasks required of LAUSD by the terms and conditions of this Agreement, regardless of LAUSD's use of employees, agents, contractors, or consultants to perform any such activities or tasks.

3.31 Effective Date. The effective date of this Agreement is the date when this Agreement is fully executed.

3.32 Rescission of Previous Agreements. To the extent the Parties have entered into a prior agreement, including, but not limited to a Voluntary Cleanup Agreement or a Master Agreement, relating to the same school site, that prior agreement is hereby rescinded and superseded by this Agreement.

3.33 Representative Authority. Each undersigned representative of the Parties to this Agreement certifies that she or he is fully authorized to enter into the terms and conditions of this Agreement and to execute and legally bind the Parties to this Agreement.

3.34 Counterparts. This Agreement may be executed and delivered in any number of counterparts, each of which when executed and delivered shall be deemed to be an original, but such counterparts shall together constitute one and the same document.

Date: 10/20/10

Thomas Cota, Performance Manager
Schools Evaluation and Brownfield Outreach
Department of Toxic Substances Control

Date: 10/11/10

Yi Hwa Kim, Deputy Director
Environmental Health and Safety Branch
Los Angeles Unified School District

EXHIBIT A

LIST OF PROPOSED SCHOOL SITES

PROJECT NAME	SITE CODE
Central Los Angeles Learning Center No. 1	304236-11
Central Region Elementary School #14	304996-11
Central Region Elementary School #15	304489-11
Central Region Elementary School #18, Site 3	304492-11
Central Region Elementary School #22 (Playa Vista)	304564-11
Central Region Macarthur Park Elementary School	304593-11
East Los Angeles High School #1	304416-11
East Los Angeles High School #2, Site40B	304457-11
East Valley Area New High School #1B	304295-11
Glassell Park Primary Center	300799-11
Gratts New Primary Center	304283-11
Maclay Elementary School Addition, Site 1	304495-11
New Ramona Opportunity High School	304465-11
Proposed Bell Education and Learning Center	304620-11
Proposed South Region Elementary School #10	304604-11
Proposed South Region Elementary School #11, Site 1	304596-11
Proposed South Region Elementary School #9, Site 3A	304603-11
Proposed South Region High School #6, Site 13	304584-11
South Region Elementary School No. 1, Site 5	304502-11
South Region High School #14, Site 1A	304542-11
South Region High School#15	304583-11

South Region High School #7, Site 11A	304509-11
South Region High School #8, Site 18	304621-11
South Region Middle School #2	304508-11
South Region MS #4 & South Region HS #9	300726-11
Valley Region Early Education Center #1	304505-11
Valley Region Elementary School #6, Site 3	304500-11
Valley Region Elementary School #7, Site 14	304498-11
Valley Region Elementary School #8, Site 1	304501-11
Valley Region Elementary School #9	304494-11
Valley Region Elementary School No. 13, Site 6B	304467-11
Valley Region High School No. 4	304479-11
Valley Region High School No. 5	304453-11
Roosevelt High School Addition (Satellite SLC)	304468-11
Dorsey High School	304631-11
Harbor College Teacher Preparatory Academy	304469-11

Exhibit B

LIST OF EXISTING SCHOOL SITES

Amended 5/28/2009

LAUSD Existing School Sites

Project Name	Location
Germain Street Elementary School	20730 Germain Street, Chatsworth

Amended 5/28/2009

Appendix F
Resumes

DOUGLAS G. HULMES, PG
4039 E. Wildcat Dr.
Cave Creek, AZ 85331
(480) 213-9722 doughulmes@yahoo.com

EDUCATION: BS Environmental Science, Illinois State University, 1994

CERTIFICATIONS: Arizona Registered PG, Nevada CEM, current 40 hour OSHA

EXPERIENCE:

2006 to Present: Geologist/Project Manager, Chicago Bridge & Iron, Phoenix, AZ

- Provides oversight on behalf of the EPA over potentially responsible parties (PRPs) conducting subsurface site characterizations and remediation for the Motorola 52nd Street Superfund project in Phoenix, Arizona. Responsibility is to ensure that characterization and remediation projects conducted by the PRPs are completed according to Consent Decrees and PRP work plans. Responsibility includes reviewing PRP work plans and providing comments to EPA for approval, denial or modification.

- Conducts/manages subsurface investigations on behalf of the EPA at the Motorola M52 Superfund Site. The most recent investigation was installing over 50 temporary soil vapor monitoring wells as part of EPA's vapor intrusion assessment. The wells were sampled by EPA's Trace Atmospheric Gas Analyzer (TAGA) mobile laboratory. Many of the well locations were selected based on real-time data from the mobile laboratory, under strict time restrictions. Conducts comprehensive indoor air/building surveys on commercial and residential structures and supervised the installation of mitigation systems as necessary.

- Conducts/manages environmental site assessments, characterization, remediation, permitting and compliance for private sector. Clients include Walmart, Home Depot and CVS.

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- Conducted a subsurface investigation to determine quantities of vadose zone perchlorate contamination at a Tronox chemical manufacturing facility in Henderson, NV. The investigation also provided precise lithologic description and laboratory assessment of soil geophysical and chemical properties of the vadose zone and as well as preliminary assessment of localized groundwater conditions. The data was utilized to provide optimal chemical mixture of soil amendments and application technique.

- Conducted NPDES sampling and compliance monitoring on behalf of a public golf course in Las Vegas, Nevada. The NPDES program was designed to monitor and assess nitrate/nitrite loading to shallow groundwater from fertilization and irrigation of the golf course.

1999 to 2006 Geologist, LFR - Levine-Fricke, Inc. Scottsdale, AZ

- Coordinated urgent, investigative and remedial objectives at two major petroleum pipeline release sites on behalf of Kinder Morgan Energy Partners (KMEP). Responsibilities included procurement and supervision of sub-contractors, obtaining land access, keeping local residents informed, appropriate disposal of impacted soil and groundwater, composing daily and weekly reports and comprehensive, site characterization report. Accomplishments included pacifying other environmental consultants with opposing interests, and satisfying regulators while protecting interests of the client. Over 28 soil vapor and groundwater extraction and monitoring wells were installed within a 5-month period in residential/desert environment in Tucson, Arizona; and 96 monitoring points were installed in a wetlands environment near Fairfield, California.

- Conducted subsurface investigations for a Remedial Investigation/Feasibility Study (RI/FS) on behalf of the Arizona Department of Environmental Quality (ADEQ) at a State Superfund site in western Phoenix. The RI/FS consisted of precise characterization of geology and hydrogeology, contaminant fate and transport modeling, remediation of soil impacted by chlorinated solvents, and monitored natural attenuation of groundwater. Successfully secured the procurement and supervision of over $750,000 worth of field investigations.

- Coordinated environmental regulatory compliance of large bulk petroleum storage facility on behalf of KMEP in Phoenix. Compliance initiatives consisted of compiling quarterly groundwater monitoring reports from consultants of eight major petroleum suppliers into one annual natural attenuation report. Also supervised and documented subsurface field investigations in response to fuel leaks as needed.

- Decommissioned several dry wells in the sub-basement of Phoenix Newspapers Inc.'s (PNI) printing facility. Obtained Aquifer Protection Permit and brought PNI into compliance, permitting sale of the acre-sized industrial building without an environmental lien.

- Completed several Phase I and Phase II Environmental Site Assessments (ESAs) according to ASTM standards. Some of the projects included NEPA studies and biological assessments. Clients were public and private, the largest of which was Verizon Wireless.

- Supervised the abandonment of numerous water wells in accordance with ADWR regulations on behalf of ADOT.

1995 to 1999 Geologist, Environmental Scientist, Independent Consultant
Tucson and Phoenix, AZ

- Provided project management and technical support to ensure compliance with Aquifer Protection Permit for United Musical Instruments U.S.A., Inc. (UMI). Project tasks included operation and maintenance of groundwater remediation system (air stripper), tracking of TCE and 1,1 DCE groundwater plume, training of UMI personnel, construction of groundwater contaminant transport model, composition of quarterly and monthly monitoring reports, characterization of soil impacted by RCRA metals and VOCs, and preparation of Pollution Prevention Plan and Annual Progress Reports, and procurement of subcontractors.

- Performed installation, operation and maintenance of bioventing systems to remediate hydrocarbon impacted soil at a former fire training facility and two former UST facilities at Williams Air Force Base (WAFB). Performed respiration and permeability tests according to Air Force Center for Environmental Excellence (AFCEE) protocol. Utilized respiration and air permeability data to calculate biodegradation rates and optimal flow rates.

- Implemented Closure Plan for remediation of a former fire training facility containing soil impacted by petroleum hydrocarbons (JP-4) for Tucson Airport Authority (TAA). Project tasks included supervision of wide-auger drill rig and appropriate disposal of petroleum contaminated soil and draft preparation of Site Closure Report.

- Completed treatability study for the effectiveness of thermal and internal combustion engine oxidizers to remediate soil impacted by JP-4 at depths up to 200 feet at Williams Air Force Base.

- Supported the preparation of RCRA Closure Reports, Sampling and Analysis Plans, Remedial Action Plans, Quality Assurance Protection Plans, and various compliance reports.

- Performed the operation and maintenance and performance monitoring of soil vapor extraction (SVE) systems with catalytic/thermal oxidizers for Exxon and BST Property Management at sites throughout the Phoenix area. Prepared quarterly air quality monitoring compliance reports.

Todd K. Lippman, P.G.

Professional Qualifications

Mr. Lippman is a Professional Geologist with more than seventeen years of experience in environmental consulting. Mr. Lippman has extensive experience in the performance and management of Phase I and Phase II Environmental Site Assessments and currently serves as the Operations Manager for the Environmental Due Diligence business line for CB&I. Additionally, Mr. Lippman has been involved in managing and conducting intrusive geologic and hydrogeologic investigations across the United States at various private, public, and governmental facilities throughout his career.

Mr. Lippman has performed due diligence and site assessment services at air separation plants, active and former steel/iron works, active and inactive power generating stations, surface coal mines, coal processing facilities, and at various retail, residential, & commercial properties.

Education

Bachelor of Science, Geosciences,
The Pennsylvania State University, 1998
Minor, Environmental Engineering,
The Pennsylvania State University, 1998

Registrations/Certifications/Licenses

Professional Geologist, Active
Pennsylvania, 9/2017
Registered Professional Geologist,
Active Mississippi, 12/2016
Licensed Professional Geologist, Active
Indiana, 1/2019

Professional Affiliations

Pittsburgh Geological
Society, Member,
2012-2016

Experience

Operations Manager, CB&I (formerly Shaw Environmental & Infrastructure, Inc.), Monroeville, Pennsylvania
Operations Manager for the Due Diligence Service Line within the Site Assessment and Remedial Services Business Line. Primary responsibilities are program and project management, operational efficiency, service line management, employee management, bid/no bid assessments, client interaction, proposal/work plan development, field task coordination, report writing/preparation, field staff oversight, data analysis/review, technical quality assurance, client invoicing, and business development.

Supervisory duties of employees within the service line which are located at strategic locations of the United States (California and Texas)

The following is a summary of key projects:

Program Manager, Phase I and Phase II ESAs, Confidential Industrial Gas Client.

Provide Environmental Due Diligence in support of strategic Mergers and Acquisitions of real estate and operating businesses across the United States. Coordinate with the CB&I office that is nearest to the site in order to execute the assigned field tasks in a timely manner and to control travel costs. Reporting is centralized in the Monroeville Office for project/reporting consistency to the Client.
Successful Phase I and/or Phase II Investigations completed at over 80 properties in the past two years.

Project Manager/Project Geologist, National Consulting and Remediation Contract, Confidential Industrial Gas Client.

Managed/Managing Regulatory Clean-ups, Site Assessments, and/or UST Closure activities at sites located in Colorado, Indiana, Iowa, Maryland, Mississippi, New York, Ohio, South

Carolina, Texas, and Virginia
Projects are primarily associated with chlorinated volatile organic compounds (e.g., 1,1,1-Trichloroethane), petroleum hydrocarbons, and/or heavy metals.

Project Manager/Project Geologist, Confidential Industrial Gas Client.

Coordinated and assisted in pre-demolition activities of a greater than 50-acre former industrial complex in Niagara Falls, New York impacted by heavy metals, volatile organics, PCBs, asbestos, and lead paint.

Similar pre-demolition and active demolition experience in Chicago (LaGrange), Illinois and Los Angeles (Irvine), California, respectively.

Project Manager, Confidential University Medical Center.
Provided Project Management support to enable a Pittsburgh hospital to remain in compliance with their sanitary sewer discharge monitoring permit requirements; including quarterly waste water sampling and semi-annual reporting to the county sewer authority.

Project Geologist, Confidential Manufacturer.
Provide comprehensive site characterization and remediation of chlorinated solvents and mercury under the Pennsylvania Land Recycling (Act 2) Program.

Delineation and interim remedial measures of TCE and mercury impacted soil, sediment, surface water, soil gas, and groundwater. Remediation has involved in-situ chemical oxidation and bioaugmentation bench-scale studies, horizontal sub-slab soil vapor extraction (SVE) wells, advanced remediation technology (ART) demonstration wells (In-well air stripping, air sparging, SVE, groundwater circulation cells), soil excavation and disposal, institutional and engineering controls, phytoremediation, and hazardous waste handling.

Project Geologist, Confidential Manufacturer.

Provide comprehensive site characterization and remediation of chlorinated solvents under the Mississippi Office of Pollution Control, Voluntary Evaluation Program.

Remediation has involved in-situ chemical oxidation and bioaugmentation bench-scale studies, soil excavation and disposal, institutional and engineering controls, hazardous waste handling, and pilot-scale bioaugmentation/biostimulation injections.

Project Scientist, U.S. Army Corps of Engineers (USACE) Formerly Utilized Sites Remedial Action Program (FUSRAP) Site.
Completed extensive month-long low-flow groundwater sampling event at a New Jersey facility impacted with radioactive contaminants (e.g., thorium).

Adhered to strict USACE policies to minimize radiological exposure, cross contamination (decontamination), and offsite impacts.

Noise and Vibration Background and Modeling Data

NOISE BACKGROUND

Terminology and Noise Descriptors

The following are brief definitions of noise terminology.

- **Sound.** A vibratory disturbance that, when transmitted by pressure waves through a medium such as air, is capable of being detected by a receiving mechanism, such as the human ear or a microphone.

- **Noise**. Sound that is loud, unpleasant, unexpected, or otherwise undesirable.

- **Decibel (dB)**. A unitless measure of sound on a logarithmic scale, which indicates the squared ratio of sound pressure amplitude to a reference sound pressure amplitude. The reference pressure is 20 micropascals (20 μPa).

- **Vibration Decibel (VdB).** A unitless measure of vibration, expressed on a logarithmic scale and with respect to a defined reference vibration velocity. In the U.S., the standard reference velocity is 1 micro-inch per second ($1x10^{-6}$ in/sec).

- **A-Weighted Decibel (dBA).** An overall frequency-weighted sound level in decibels which approximates the frequency response of the human ear.

- **Equivalent Continuous Noise Level (Leq); also called the Energy-Equivalent Noise Level.** The value of an equivalent, steady sound level which, in a stated time period (often over an hour) and at a stated location, has the same A-weighted sound energy as the time-varying sound. Thus, the L_{eq} metric is a single numerical value that represents the equivalent amount of variable sound energy received by a receptor over the specified duration.

- **Statistical Sound Level (L_n).** The sound level that is exceeded "n" percent of time during a given sample period. For example, the L_{50} level is the statistical indicator of the time-varying noise signal that is exceeded 50 percent of the time (during each sampling period); that is, half of the sampling time, the changing noise levels are above this value and half of the time they are below it. This is called the "median sound level." The L_{10} level, likewise, is the value that is exceeded 10 percent of the time (i.e., near the maximum) and this is often known as the "intrusive sound level." The L_{90} is the sound level

exceeded 90 percent of the time and is often considered the "effective background level" or "residual noise level."

- **Day-Night Level (L_{dn} or DNL).** The energy average of the A-weighted sound levels occurring during a 24-hour period, with 10 dB added to the A-weighted sound levels occurring during the period from 10 PM to 7 AM.

- **Community Noise Equivalent Level (CNEL).** The energy average of the A-weighted sound levels occurring during a 24-hour period, with 5 dB added to the A-weighted sound levels occurring during the period from 7 PM to 10 PM and 10 dB added to the A-weighted sound levels occurring during the period from 10 PM to 7 AM. For general community/environmental noise, CNEL and L_{dn} values rarely differ by more than 1 dB. As a matter of practice, L_{dn} and CNEL values are interchangeable and are treated as being equivalent in this assessment.

- **Sensitive Receptor.** Noise- and vibration-sensitive receptors include land uses where quiet environments are necessary for enjoyment and public health and safety. Residences, schools, motels and hotels, libraries, religious institutions, hospitals, and nursing homes are examples.

Characteristics of Sound

Sound is a pressure wave transmitted through the air. When an object vibrates, it radiates part of its energy as acoustical pressure in the form of a sound wave. Sound can be described in terms of amplitude (loudness), frequency (pitch), or duration (time). The standard unit of measurement of the loudness of sound is the decibel (dB). The human hearing system is not equally sensitive to sound at all frequencies. Sound waves below 16 Hz are not heard at all and are "felt" more as a vibration. Similarly, while people with extremely sensitive hearing can hear sounds as high as 20,000 Hz, most people cannot hear above 15,000 Hz. In all cases, hearing acuity falls off rapidly above about 10,000 Hz and below about 200 Hz. Since the human ear is not equally sensitive to sound at all frequencies, a special frequency-dependent rating scale is usually used to relate noise to human sensitivity. The A-weighted decibel scale (dBA) performs this compensation by discriminating against frequencies in a manner approximating the sensitivity of the human ear.

Because of the physical characteristics of noise transmission and noise perception, the relative loudness of sound does not closely match the actual amounts of sound energy. Table 1 presents the subjective effect of changes in sound pressure levels. Typical human hearing can detect changes of approximately 3 dBA or greater under normal conditions. Changes of 1 to 3 dBA are detectable under quiet, controlled conditions and changes of less than 1 dBA are usually indiscernible. A change of 5 dBA or greater is typically noticeable to most people in an exterior environment and a change of 10 dBA is perceived as a doubling (or halving) of the noise.

Table 1 Change in Sound Pressure Level, dB

Change in Apparent Loudness	
± 3 dB	Threshold of human perceptibility
± 5 dB	Clearly noticeable change in noise level
± 10 dB	Half or twice as loud
± 20 dB	Much quieter or louder

Source: Bies and Hansen, Engineering Noise Control, 2009.

Point and Line Sources

Noise may be generated from a point source, such as a piece of construction equipment, or from a line source, such as a road containing moving vehicles. Because noise spreads in an ever-widening pattern, the given amount of noise striking an object, such as an eardrum, is reduced with distance from the source. This is known as "spreading loss." The typical spreading loss for point source noise is 6 dBA per doubling of the distance from the noise source.

A line source of noise, such as vehicles proceeding down a roadway, would also be reduced with distance, but the rate of reduction is affected by of both distance and the type of terrain over which the noise passes. Hard sites, such as developed areas with paving, reduce noise at a rate of 3 dBA per doubling of the distance while soft sites, such as undeveloped areas, open space and vegetated areas reduce noise at a rate of 4.5 dBA per doubling of the distance.[1] These represent the extremes and most areas would actually contain a combination of hard and soft elements with the noise reduction placed somewhere in between these two factors. Unfortunately, the only way to actually determine the absolute amount of attenuation that an area provides is through field measurement under operating conditions with subsequent noise level measurements conducted at varying distances from a constant noise source.

Objects that block the line of sight attenuate the noise source if the receptor is located within the "shadow" of the blockage (such as behind a sound wall). If a receptor is located behind the wall, but has a view of the source, the wall would do little to reduce the noise. Additionally, a receptor located on the same side of the wall as the noise source may experience an increase in the perceived noise level, as the wall would reflect noise back to the receptor compounding the noise.

[1] Surface type or ground cover is defined as the "hardness" or "softness" of the surrounding area. "Hard site environment" is areas with acoustically hard ground (e.g., pavement or water). Distance attenuation from a line source (i.e., roadway or railway) with a hard site environment is 3 dB per doubling of distance (dB/DD). "Soft site environment" is areas with acoustically soft ground (e.g., lawn or loose dirt or agricultural uses). Ground cover can affect the sound propagation rate by as much as an additional 1.5 dB/DD. (Note that this rate occurs only when both the noise source and the receiver are close to the ground and the terrain between the two is flat and soft.) As a result of this additional attenuation, the line-source sound levels decrease at a rate of 4.5 dB/DD at soft sites.

Noise Metrics

Several rating scales (or noise "metrics") exist to analyze adverse effects of noise, including traffic-generated noise, on a community. These scales include the equivalent noise level (Leq), the community noise equivalent level (CNEL) and the day/night noise level (Ldn). Leq is a measurement of the sound energy level averaged over a specified time period.

The CNEL noise metric is based on 24 hours of measurement. CNEL differs from Leq in that it applies a time-weighted factor designed to emphasize noise events that occur during the evening and nighttime hours (when quiet time and sleep disturbance is of particular concern). Noise occurring during the daytime period (7:00 AM to 7:00 PM) receives no penalty. Noise produced during the evening time period (7:00 to 10:00 PM) is penalized by 5 dB, while nighttime (10:00 PM to 7:00 AM) noise is penalized by 10 dB. The Ldn noise metric is similar to the CNEL metric except that the period from 7:00 to 10:00 PM receives no penalty. Both the CNEL and Ldn metrics yield approximately the same 24-hour value (within 1 dB) with the CNEL being the more restrictive (i.e., higher) of the two.[2]

Psychological and Physiological Effects of Noise

Physical damage to human hearing begins at prolonged exposure to noise levels higher than 85 dBA. Exposure to high noise levels affects the entire system, with prolonged noise exposure in excess of 75 dBA increasing body tensions, thereby affecting blood pressure and functions of the heart and the nervous system. In comparison, extended periods of noise exposure above 90 dBA would result in permanent cell damage. When the noise level reaches 120 dBA, a tickling sensation occurs in the human ear even with short-term exposure. This level of noise is called the threshold of feeling. As the sound reaches 140 dBA, the tickling sensation is replaced by the feeling of pain in the ear. This is called the threshold of pain. A sound level of 160 to 165 dBA will result in dizziness or loss of equilibrium. The ambient or background noise is widespread and generally more concentrated in urban areas than in outlying, less-developed areas (see Table 2).

[2] Ldn and CNEL values rarely differ by more than 1 dB. As a matter of practice, Ldn and CNEL values are considered equivalent and are treated as such in this assessment.

Table 2 Common Sound Levels and Their Sources

Noise Source	A-Weighted Sound Level in Decibels	Noise Environments	Subjective Evaluations Relative to 70 dB
Near Jet Engine	140	Deafening	128 times as loud
Civil Defense Siren	130	Threshold of Pain	64 times as loud
Hard Rock Band	120	Threshold of Feeling	32 times as loud
Accelerating Motorcycle at a Few Feet Away	110	Very Loud	16 times as loud
Pile Driver; Noisy Urban Street/Heavy City Traffic	100	Very Loud	8 times as loud
Ambulance Siren; Food Blender	95	Very Loud	
Garbage Disposal	90	Very Loud	4 times as loud
Freight Cars; Living Room Music	85	Loud	
Pneumatic Drill; Vacuum Cleaner	80	Loud	2 times as loud
Busy Restaurant	75	Moderately Loud	
Near Freeway Auto Traffic	70	Moderately Loud	
Average Office	60	Quiet	One-half as loud
Suburban Street	55	Quiet	
Light Traffic; Soft Radio Music in Apartment	50	Quiet	One-quarter as loud
Large Transformer	45	Quiet	
Average Residence without Stereo Playing	40	Faint	One-eighth as loud
Soft Whisper	30	Faint	
Rustling Leaves	20	Very Faint	
Human Breathing	10	Very Faint	Threshold of Hearing

Source: California Department of Transportation (Caltrans) 2006, October. Traffic Noise Analysis Protocol.

Vibration

Vibration is an oscillatory motion through a solid medium in which the motion's amplitude can be described in terms of displacement, velocity, or acceleration. Vibration is normally associated with activities such as railroads or vibration-intensive stationary sources, but can also be associated with construction equipment, such as jackhammers, pile drivers, and hydraulic hammers. Vibration displacement is the distance that a point on a surface moves away from its original static position. The instantaneous speed that a point on a surface moves is described as the velocity, and the rate of change of the speed is described as the acceleration. Each of these descriptors can be used to correlate vibration to human response, building damage, and acceptable equipment vibration levels. During the construction of a building, the operation of construction equipment could cause groundborne vibration. The three main wave types of concern in the propagation of groundborne vibrations are surface or Rayleigh waves, compression or P-waves, and shear or S-waves.

- Surface or Rayleigh waves travel along the ground surface. They carry most of their energy along an expanding cylindrical wave front, similar to the ripples produced by throwing a rock into a lake. The particle motion is more or less perpendicular to the direction of propagation (known as retrograde elliptical).

- Compression or P-waves are body waves that carry their energy along an expanding spherical wave front. The particle motion in these waves is longitudinal, in a push-pull motion. P-waves are analogous to airborne sound waves.

- Shear or S-waves are also body waves, carrying their energy along an expanding spherical wave front. Unlike P-waves, however, the particle motion is transverse, or perpendicular to the direction of propagation.

The peak particle velocity (PPV) or the root mean square (RMS) velocity is usually used to describe vibration amplitudes. PPV is defined as the maximum instantaneous peak of the vibration signal and RMS is defined as the square root of the average of the squared amplitude of the signal. PPV is more appropriate for evaluating potential building damage, whereas RMS is typically more suitable for evaluating human response.

The units for PPV and RMS velocity are normally inches per second (in/sec). Often, vibration is presented and discussed in dB units to compress the range of numbers required to describe the vibration. All PPV and RMS velocity are in in/sec and all vibration levels in this study are in dB relative to 1 micro-inch per second (abbreviated as VdB). The threshold of perception is approximately 65 VdB. Typically groundborne vibration generated by manmade activities attenuates rapidly with distance from the source of the vibration. Manmade vibration problems are usually confined to short distances (500 feet or less) from the source.

Construction generally includes a wide range of activities that can generate groundborne vibration. In general, demolition of structures generates the highest vibrations. Vibratory compactors or rollers, pile drivers, and pavement breakers can generate perceptible amounts of vibration at distances within 200 feet of the vibration sources. Heavy trucks can also generate groundborne vibrations that vary, depending on vehicle type, weight, and pavement conditions. Potholes, pavement joints, discontinuities, differential settlement of pavement, etc., all increase the vibration levels from vehicles passing over a road surface. Construction vibration is normally of greater concern than vibration of normal traffic on streets and freeways with smooth pavement conditions. Trains generate substantial quantities of vibration due to their engines, steel wheels, and heavy loads.

Sensitive Receptors

Certain land uses are particularly sensitive to noise and vibration. Noise- and vibration-sensitive uses include land uses where quiet environments are necessary for enjoyment and public health and safety. Residences, schools, guest lodging, libraries, religious institutions, hospitals, nursing homes, and passive recreation areas are generally more sensitive to noise than commercial and industrial land use.

Noise Regulations and Guidelines

Compliance with State, City, and LAUSD noise requirements and guidelines is required for schools as described below.

State

California Code of Regulations, Title 24, Part 2

Current law states that every local agency enforcing building regulations, such as cities and counties, must adopt the provisions of the California Building Code (CBC) within 180 days of its publication. The publication date of the CBC is established by the California Building Standards Commission. The most recent building standard adopted by the legislature and used throughout the state is the 2016 version, often with local, more restrictive amendments that are based on local geographic, topographic, or climatic conditions.[5] The State of California's noise insulation standards are codified in the CBC. These noise standards are for new construction in California for the purposes of interior compatibility with exterior noise sources. The regulations specify that acoustical studies must be prepared when noise-sensitive structures, such as residential, schools, or hospitals, are near major transportation noises, and where such noise sources create an exterior noise level of 60 dBA CNEL or higher. Acoustical studies that accompany building plans must demonstrate that the structure has been designed to limit interior noise in habitable rooms to acceptable noise levels. For new residential buildings, schools, and hospitals, the acceptable interior noise limit for new construction is 45 dBA CNEL.

City of Cudahy

See attached.

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7.1 INTRODUCTION TO THE ELEMENT

7.1.1 SCOPE AND AUTHORITY OF THE ELEMENT

Excessive noise levels disturb and disrupt human activities and can affect the physical and psychological health of individuals. They depreciate the quality of the environment by affecting work, sleep, and recreation. The Noise Element of the Cudahy General Plan provides measures to minimize noise problems in the City. With the majority of the City devoted to residential uses, it is important that noise sources are controlled at the source, are located away from residential communities, or buffers are provided between the sources of noise and the residential development. The noise mitigation program in the Noise Element explores various noise control options and land use compatibility standard.

As mandated by the *California Government Code Section 65302(f)*, the Noise Element follows the guidelines established by the *Office of Noise Control of the State Department of Health Services*. Goals, policies, and guidelines for minimizing increases in ambient noise levels are outlined in the section that follows.

7.2 NOISE BACKGROUND REPORT

7.2.1 CHARACTERISTICS OF SOUND

Community noise levels are typically measured in terms of the A-weighted decibel (dBA). A-weighing is a frequency correction that correlates overall sound pressure levels with the frequency response of the human ear. Additional units of measurement have been developed to evaluate the longer term characteristics of sound.

One of the more common noise measurements uses statistical samples in terms of percentile noise levels. For example, the L_{10} noise level represents the noise level that is exceeded 10% of the time. The L_{50} noise level represents the median noise level half the time (noise exceeds this level and half the time noise is less than this level). The L_{90} noise level represents the background noise level experienced during 90% of the time. The equivalent noise level (Leq) is a single-number representation of the fluctuating sound level in decibels over a specified period of time.

Topography and man-made structures have very complex effects on sound transmission and on noise contours. Generally, solid barriers between a source and receiver, such as hills, berms and walls absorb and/or reflect noise resulting in a quieter environment. Where barriers or land forms do not interrupt the sound transmission path from source to receiver, the contours prove to be good estimates of average noise level. In areas where barriers or land forms interrupt the sound path, the noise contours overestimate the extent to which a noise intrudes into the community.

Community Noise Equivalent Level (CNEL) is the noise measurement that represents an average of all measured noise levels obtained over a specified period of time. The CNEL scale includes an additional 5 dB adjustment to sounds occurring in the evening (7:00 p.m. to 10 p.m.) in addition to the 10 dB adjustment to sounds occurring in the late evening and early morning hours (between 10:00 p.m. and 7:00 a.m.). Representative noise sources and sound levels are shown in Exhibit 7-1.

7.2.2 COMMUNITY NOISE SURVEY

A community noise survey was conducted as part of the Noise Element's update in 2009 to document the existing noise environment. Ten locations were selected for the surveys corresponding to the locations visited during the preparation of the previous Noise Element. The noise measurement locations are shown in Exhibit 7-2.

Noise along transportation corridors are highest along major roadway and decrease as the distance from the roadway (noise source) increases. The noise measurement results are representative samples of urban residential, commercial, and industrial areas. These noise measurement results may be used as a general guideline or indication of noise levels within the community. A summary of the noise measurements taken during a weekday afternoon are provided in Table 7-1.

Table 7-1
Noise Measurements

Site#	L^{ave}	L^{25}	L^{50}	L^{99}
1	134	101	94	88
2	123	108	103	95
3	114	102	93	81
4	132	111	106	101
5	120	107	101	90
6	118	110	106	98
7	122	117	115	110
8	126	117	114	109
9	121	110	104	99
10	110	103	101	99

Source: BlodgettJBaylosis Associates, 2009

7.2.3 MOBILE NOISE SOURCES - TRAFFIC

The City of Cudahy roadway noise contour data were generated with the Federal Highway Administration's Highway Traffic Noise Prediction Model, U.S. Department of Transportation (1978). Model input data included existing average daily traffic levels; day/evening/night percentages of autos, medium, and heavy trucks; vehicle speeds; ground attenuation factors; and roadway widths. The distance from the roadway centerline to the roadway's 60, 65 and 70 dB CNEL contours for the existing conditions (2008) are provided in Table 7-2. As indicated in Table 7-2, traffic on Atlantic Avenue is among the major generators of noise within Cudahy. The I-710 freeway also generates significant levels of traffic noise within the City.

Table 7-2
Existing Traffic Noise Contours

Roadway	70 CNEL	65 CNEL	60 CNEL	dBA Q 50'
Clara Street -	0.0	80	221	64.2
Elizabeth Street -	0.0	81	225	64.3
Santa Ana Street -	0.0	0.0	76	60.1
Wilcox Avenue -	0.0	67	172	63.1
Patata Street -	0.0	120	357	66.4
Atlantic Avenue -	0.0	95	272	65.2
Salt Lake Avenue -	0.0	74	197	63.7
Otis Avenue -	0.0	0.0	68	59.6
Long Beach Fwy*	0.0	0.0	63	59.2

Source: BlodgettJBaylosis Associates, 2009

7.2.4 MOBILE NOISE SOURCES - RAILROADS

Noise from passing trains is dependent on the number of trains, speed, type of tracks, grade crossings, track curves, crossing bells and train horns, and the type of trains. The Southern Pacific Railway Company (SPRR) currently maintains a double track adjacent to northern end of the City, with their tracks running west to east along Randolph Street. Train operations occur at all hours and change in response to customer needs. Currently, an average of 8 diesel trains run along these tracks during the daytime and nighttime periods. The Union Pacific Railroad (UPRR) tracks along Salt Lake Avenue on the western end of the Central City are used by approximately 7 trains daily.

7.2.5 MOBILE NOISE SOURCES - AIRCRAFT

The City of Cudahy is not located within the noise impact areas of nearby airports, although there are several commercial airports serving area including the Long Beach Airport and the Los Angeles International Airport in Los Angeles. Over-flights from these airports are sources of aircraft noise in the City of Cudahy.

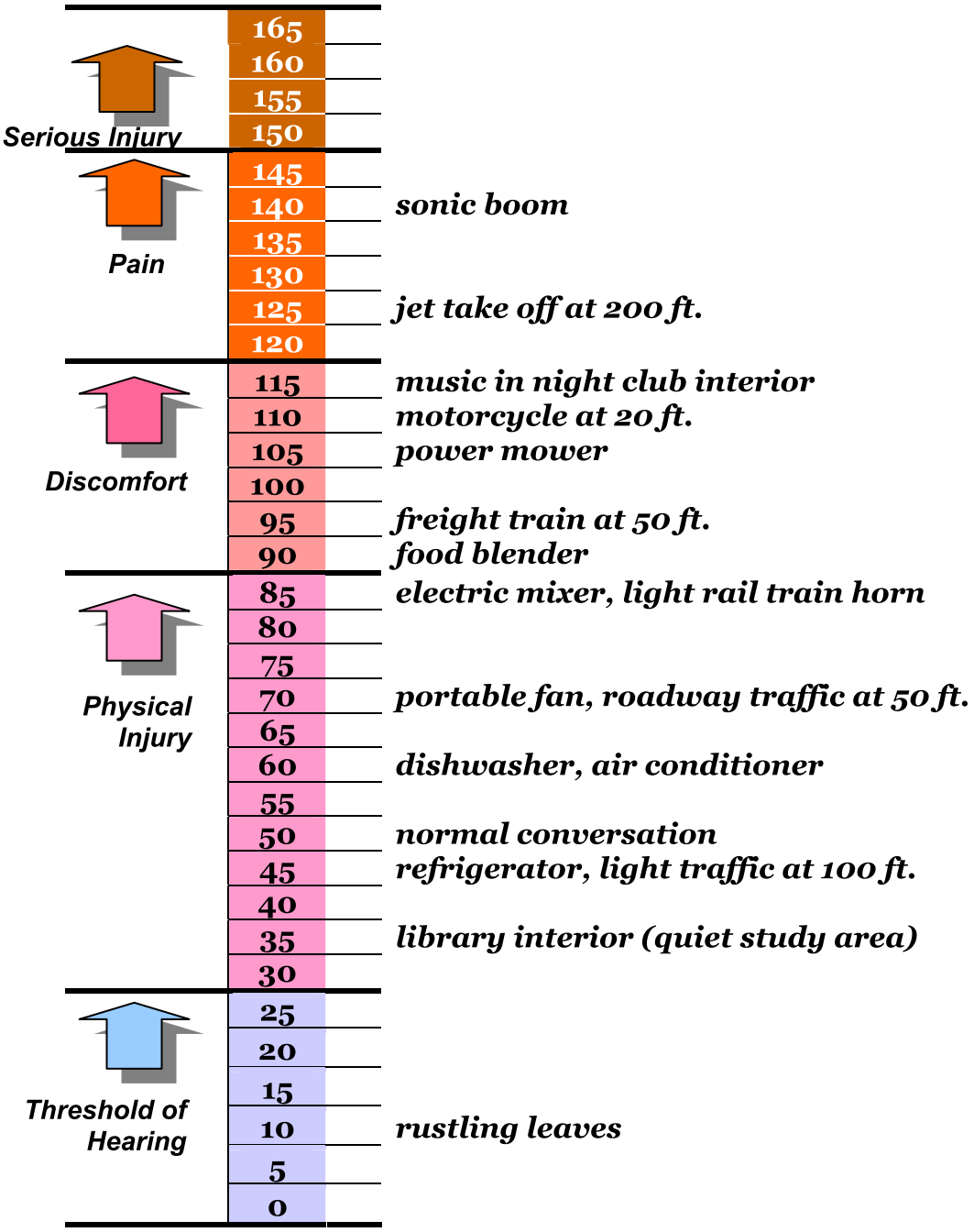


EXHIBIT 7-1
NOISE LEVELS ASSOCIATED WITH TYPICAL ACTIVITIES

SOURCE: U. S. ENVIRONMENTAL PROTECTION AGENCY

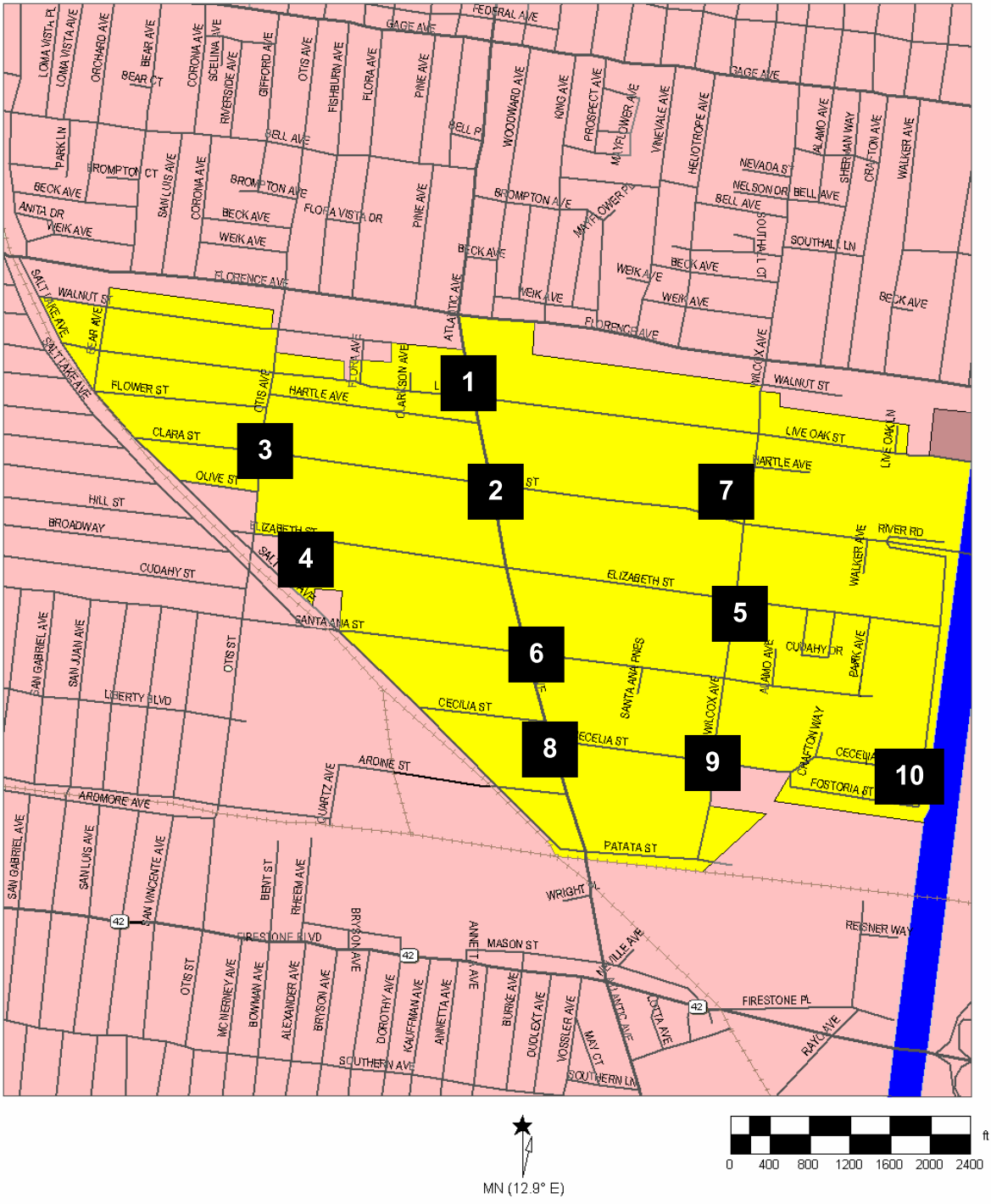


EXHIBIT 7-2
NOISE MEASUREMENT LOCATIONS

SOURCE: BLODGETT/BAYLOSIS ASSOCIATES

7.3 NOISE MITIGATION PLAN

7.3.1 NOISE GOALS AND POLICIES

The two main areas of concerns of the Noise Element are the protection of noise-sensitive land uses from excessive noise and the control of noise sources from affecting other land uses in the City. The goals and policies below were developed in recognition of existing noise sensitive uses and noise sources in the City.

Issue: Noise Sensitive Uses

Noise-sensitive land uses in the City of Cudahy include the residential areas (which cover nearly 60 percent of the land area), mobile home parks, schools, the library, and local churches. They represent users and activities that could be easily disturbed or annoyed by noise levels beyond acceptable standards. The mitigation of existing and protected noise problems will include the reduction of noise levels within these areas.

- *Noise Element Goal 1.* The City of Cudahy will prevent any increase in the established acceptable ambient levels of sound in the residential areas of the community.
- *Noise Element Policy 1.1.* The City of Cudahy will consider the inclusion of noise-impacted areas in redevelopment or other programs which would permit assistance for the residents with relocation, rehabilitation, or insulation of their structures and properties.
- *Noise Element Policy 1.2.* The City of Cudahy will consider steps to correct existing noise problem areas through the establishment of buffers and barriers or through abatement procedures.
- *Noise Element Policy 1.3.* The City of Cudahy will discourage the location of unbuffered noise sources near residential areas and schools.

Issue: Noise Sources

Noise in the City comes primarily from roadway traffic. Roadway noise levels are highest along Atlantic Avenue, Salt Lake Avenue, and the Long Beach Freeway. Train noises affect areas on the western and southern edge of Cudahy. Stationary noise sources include commercial uses on Atlantic Avenue and industrial uses on the southern portion of the City. Noise from these uses need to be controlled to reduce their impacts on adjacent uses.

- *Noise Element Goal 2.* The City of Cudahy will prohibit unnecessary noise which is detrimental to the public health and welfare and contrary to the public interest.
- *Noise Element Policy 2.1.* The City of Cudahy will evaluate the noise impacts of all land use decisions which are subject to environmental review under CEQA.
- *Noise Element Policy 2.2.* The City of Cudahy will control at their sources, any sounds which exceed accepted community noise levels.
- *Noise Element Policy 2.3.* The City of Cudahy will limit construction activities to daytime hours to reduce construction noise impacts.
- *Noise Element Policy 2.4.* The City of Cudahy will discourage truck traffic on local streets during nighttime hours.

- *Noise Element Policy 2.5.* The City of Cudahy will establish acceptable limits of noise for various land uses throughout the community.
- *Noise Element Policy 2.6.* The City of Cudahy will encourage increased acoustical design in new construction when adjacent to known sources of noise.

7.3.2 NOISE MITIGATION PLAN

Aside from the existing noise environment, noise levels at buildout of the Land Use Plan were estimated using projected traffic volumes for 2010. As with the existing noise levels, the Federal Highway Administration Noise Prediction Model was used estimate roadway noise levels along City streets. Table 7-3 provides the distance of the 65, 60 and 55 CNEL noise contours from the roadway centerline. Although the exhibit does not account for noise buffers and barriers within each development, uses in areas within the 65 CNEL contour will generally be subject to high noise levels.

Table 7-3
Future Traffic Noise Levels

Roadway Segment		Distance from Roadway Centerline to CNEL (in feet)			
		65 CNEL	60 CNEL	55 CNEL	CNEL at 50' from centerline
Clara Street -	Wilcox/LA River	0.0	150.0	472.2	63.73
	Atlantic/Wilcox	0.0	104.0	325.7	62.11
	Otis/Atlantic	0.0	82.9	258.4	61.11
Elizabeth Street -	Wilcox/LA River	0.0	0.0	71.5	55.61
	Atlantic/Wilcox	0.0	57.9	179.3	59.66
Santa Ana Street -	Wilcox/Park	0.0	0.0	103.4	57.24
	Atlantic/Wilcox	0.0	68.8	214.4	60.44
	Salt Lake/Atlantic	0.0	107.9	329.0	61.45
Wilcox Avenue -	Patata/Santa Ana	0.0	0.0	93.2	56.79
	Santa Ana/Clara	0.0	118.0	371.2	62.82
	Clara/Florence	0.0	127.2	400.5	63.15
Patata Street -	Atlantic/Wilcox	0.0	97.7	306.6	61.99
Atlantic Avenue -	Patata/Santa Ana	194.0	604.9	1,910.0	68.97
	Santa Ana/Clara	194.6	606.9	1,916.5	68.98
	Clara to Florence	168.4	522.9	1,650.3	68.33
Salt Lake Avenue -	Patata/Elizabeth	79.8	250.7	792.1	66.27
	Elizabeth/Florence	64.0	200.2	632.4	65.29
Otis Avenue -	Elizabeth/Flower	0.0	104.2	327.2	62.28
	Flower/Florence	0.0	97.3	305.2	61.97
Long Beach Freeway*	Florence/Firestone	3,549.7	11,222.4	35,484.7	80.68

The Land Use Plan recognizes the continued operations of railroad operations through the City. Several variables must be taken into account in determining actual noise levels produced by railroad operations. For the locomotive, the noise emitted by the engine is independent of the train's velocity; however, the noise output of the locomotive is highly dependent on track grade conditions. Slowing down or movement on the spur tracks will result in increased noise output emanating from braking equipment.

Car noise, attributed to wheel/rail noise, is highly dependent on speed, increasing approximately 6 dB for each doubling of train velocity. A number of other variables, primarily relating to physical track or wheel conditions, are also significant in influencing wheel/rail generated noise. These factors include the type of rails (welded or joints) 4 to 8 dBA increases; the condition of wheels on cars up to 8 dBA; the configuration of railroad right-of-way (linear vs. curved) between 10 to 15 dBA; and the grade crossings and signal controls between 6 to 8 dBA. The Southern Pacific rail line travels along the southern border of the City and does not impact any noise sensitive land uses. The greatest potential for noise impacts or noise sensitive land uses comes from the Los Angeles and Salt Lake Railroad located immediately adjacent to Salt Lake Avenue. On the average, train noise will range from between 60 to 70 dBA at fifty feet depending on the length and speed of the train.

In order to protect residents from the disruptive and health effects of excessive noise, the City shall develop a noise mitigation program. The noise mitigation program for Cudahy shall expand existing regulations relating to noise and establish standards for controlling noise sources and their impacts. This may include the provision of noise barriers (berms, walls, etc.), buffer areas or setbacks, increased insulation, blank exterior walls, double-paned windows, noise-masking sounds, mufflers, and other noise control devices and building features. Vibration that affects adjacent properties shall also be regulated. The City shall require an acoustical analysis for projects that have the potential for generating excessive noise levels or those uses which would be developed adjacent to a noise source. The study shall include existing ambient noise levels from mobile and stationary sources. It shall estimate cumulative noise levels at implementation of the project. The estimates shall be provided for both interior and exterior areas on site. Specific measures to reduce projected noise levels to acceptable standards shall be identified.

As part of the environmental review, mitigation measures shall be made conditions of approval and a monitoring program established. State standards on noise insulation shall be applied during the plan check process for new developments. For the evaluation of noise impacts, acceptable noise levels of various land uses, as established by the California Office of Noise Control, are shown in Exhibit 7-3. Compliance with the noise regulations of federal and state agencies shall be monitored by the City. They include noise standards for industrial operations, federally-funded projects, motor vehicles, airport noise, classrooms, libraries and other educational facilities, multi-family residential uses, hotels, and motels.

With most of the City developed, noise abatement can be implemented during rehabilitation or redevelopment activities, or as part of the code enforcement process. Redevelopment projects shall comply with City noise standards and, to the extent funds are available for these purposes, the Agency shall provide assistance to the residents of affected properties with relocation, rehabilitation, or insulation of their structures and properties.

The noise mitigation program shall also identify noisy activities and operations and provide guidelines to reduce disturbance on adjacent uses. Noise-generating activities will include construction equipment and activity noise, sports events, use of play areas, power mowers and leaf blowers, garbage collection and truck traffic and deliveries, false car or security alarms, large gatherings and other outdoor activities. Limitations in the hours of operation and the length of operation will contribute in large part to the reduction of noise from

these uses. Noise during the nighttime and the early morning hours are more disruptive and the regulation of activities during these times will prevent adverse noise impacts.



Land Use Categories		Community Noise Equivalent Level (in dBA, CNEL) <55 60 65 70 75 80>
Residential	Single-family, Duplex, Multiple-family	
	Mobile Homes, Mixed Use	
Commercial	Hotel, Motel, Other Lodging	
	General Commercial, Retail	
	Office	
Industrial	Business Park, Research & Development	
	Manufacturing, Warehousing	
Institutional	Hospitals, Schools, Libraries	
	Churches, Civic Uses	
Recreation and Open Space	Public Parks	
	Golf Course, Natural Habitat	
	Commercial Recreation	

	CLEARLY COMPATIBLE	Ambient noise levels are not significant enough to require special construction and/or noise mitigation.
	NORMALLY COMPATIBLE	Most land uses will not be affected by ambient noise. Some form of design measures and/or mitigation may be required for noise sensitive land uses.
	CLEARLY INCOMPATIBLE	Noise sensitive land uses should not be located in these areas unless mitigation is employed to reduce interior noise levels.
	NORMALLY INCOMPATIBLE	Noise sensitive land uses should not be located in these areas due to excessive and continuous high ambient noise.

EXHIBIT 7-3
STATE OF CALIFORNIA RECOMMENDED LAND USE COMPATIBILITY STANDARDS

SOURCE: STATE OF CALIFORNIA

CITY OF CUDAHY

MUNICIPAL

CODE

A Codification of the General Ordinances

of the City of Cudahy, California

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2015

of the effective date of the ordinance which generated the nonconformity.

(2) A legal nonconforming sign may be maintained longer than the time permitted in subsection (1) of this section pursuant to the terms of Chapter 20.24 CMC. (Ord. 587 § 20-1.2260).

Chapter 20.88

ENVIRONMENTAL PERFORMANCE STANDARDS

Sections:

20.88.010 Purpose and intent.
20.88.020 Noise.
20.88.030 Vibration.
20.88.040 Dust and paint.
20.88.050 Smoke.
20.88.060 Light, glare, and heat.
20.88.070 Hazardous materials.
20.88.080 Radioactive materials.
20.88.090 Electromagnetic interference.
20.88.100 Odors and gases.
20.88.110 Hours of operation.
20.88.120 Enforcement.

20.88.010 Purpose and intent.

The following performance standards are included in the zoning code to:

(1) Ensure that residential neighborhoods and the business community in Cudahy will be free from environmental hazards of noise, vibration, dust, glare, and other negative influences; and

(2) Contribute to regional efforts to protect and enhance the environmental quality of life. (Ord. 587 § 20-1.2300).

20.88.020 Noise.

The following provisions limit unwanted and harmful emission of sound:

(1) Maximum permissible exterior sound levels by receiving land uses are:

(a) Noise standards for the various categories of land uses set forth in Table 20.88-1 shall, unless otherwise specified, apply to each property or portion of property in the community. Where two or more dissimilar land uses occur on a single property, the more restrictive noise standard shall apply;

(b) In the event of a dispute over the identification of a receiving land use, interpretation is to be made by the city;

(c) No person shall operate or cause to be operated any source of sound or noise at any location within the city, or allow the creation of any noise on property owned, leased, occupied, or otherwise controlled by such person, which causes the noise level to exceed the levels indicated on Table 20.88-1.

Table 20.88-1
Maximum Exterior Noise Levels

Noise Level (dBA)		
Receiving Land Use Category	**10:00 p.m. – 7:00 a.m.**	**7:00 a.m. to 10:00 p.m.**
Residential (Except Multifamily)	45	65
Multifamily Residential and Mobile Home Parks	50	65
Commercial (All "C" Zones)	60	65
Light Industrial Zones	70	70
Heavy Industrial Zones	70	70

(2) Maximum Permissible Interior Noise Levels.

(a) No person shall operate, or cause to be operated, any source of sound within a residential dwelling unit or allow the creation of noise on property owned, leased, occupied, or otherwise controlled by such person, which causes the noise level, when measured inside a neighboring receiving dwelling unit, to exceed the environmental and/or nuisance interpretation of the applicable limits shown on Table 20.88-2.

Table 20.88-2
Maximum Interior Noise Levels

Land Use Type	Time Interval	Maximum Noise Level (dBA)		
		Any time	**1 min./1 hr.**	**5 min./1 hr.**
Residential	10:00 p.m. to 7:00 a.m.	35	40	35
	7:00 a.m. to 10:00 p.m.	45	50	45

(b) If the ambient noise level inside a receiving dwelling unit exceeds permissible limits, the allowable noise exposure standard in that category shall be the measured ambient noise for a cumulative period of five minutes in any one hour, ambient plus five dBA for one minute within any one hour, and shall not exceed the ambient plus 10 dBA at any time.

(3) Methodology for calculating noise levels shall be as follows:

(a) Noise levels shall be measured by the equivalent sound level (Leq) for any hour;

(b) Nuisance noise shall be measured as a sound level not to be exceeded at any time;

(c) Sound levels by receiving land use shall be measured at the boundary or at any point within the boundary of the property affected;

(d) Fixed location public utility distribution or fixed transmission facilities located on or adjacent to a property line shall be subject to the noise level limits of this section measured at or beyond six feet from the boundary of the easement upon which the utility equipment is located;

(e) If the noise is continuous, the Leq for an hour will be represented by any lesser time period within that hour. Noise measurements of five minutes or less will thus suffice to define the noise level;

(f) If the noise is intermittent, the Leq for any hour may be represented by a time period typical of the operating cycle. Measurement of intermittent noise is to be made of at least three noisy/quiet periods. Alternatively, measurements taken at two periods of at least 15 minutes each may be used;

(g) In the event the alleged noise event, as judged by the enforcement official, contains a steady, audible sound such as a whine, screech, or hum, or contains a repetitive, impulsive noise such as hammering or riveting, the standard may be reduced by five dB at the discretion of the enforcement official;

(h) If the measured ambient noise level exceeds that permissible in Table 20.88-1, the allowable noise exposure standard shall be the ambient noise level. The ambient level shall be measured when the alleged noise violation source is not operating.

(4) The following is prohibited:

(a) No person shall unnecessarily make, continue, or cause to make or continue any noise disturbances;

(b) Sounding or permitting the sounding of any electrically amplified signal from any stationary bell, chime, siren, whistle, or similar device intended for nonemergency purposes, from any place for more than 120 seconds continually in a one-hour period, or intermittent sounding over a five-minute period in one hour;

(c) Creating or causing the creation of any sound within a noise-sensitive area, so as to exceed the maximum exterior noise levels set forth in Table 20.88-1.

(5) The following are exempt from these noise standards: warning devices necessary for the protection of public safety, including, but not limited to, police, fire, ambulance sirens, and train horns. (Ord. 587 § 20-1.2305).

20.88.030 Vibration.

No vibration shall be detectable beyond the property line of the site from which the vibration is emanating. Within industrial districts, vibration shall not exceed the standards set forth in Table 20.88-3.

Table 20.88-3
Maximum Vibration in Industrial Districts

Frequency	Vibration Displacement (inches)	
	Steady State	Impact
Under 10	.0055	.0010
10 – 19	.0044	.0008
20 – 29	.0033	.0006
30 – 39	.0002	.0004
40+	.0001	.0002

(Ord. 587 § 20-1.2310).

20.88.040 Dust and paint.

All uses, including grading, construction, and operational phases, shall be conducted in a manner so as to prevent dust emissions and paint overspray from creating hazardous or potential hazardous conditions within the site and surrounding area.

Parcels located within the soil erosion control area are required to obtain dust control permits from the building department prior to commencement of grading operations. (Ord. 587 § 20-1.2315).

20.88.050 Smoke.

Smoke emissions shall be controlled in accordance with the standards of the South Coast Air Quality Management District. (Ord. 587 § 20-1.2320).

20.88.060 Light, glare, and heat.

All on-site lighting fixtures, including parking lot lighting, security lighting, and decorative lighting, may be indirect or diffused, or, if not, shall be shielded or directed away from a residential-zoned district. Where appropriate, lighting fixtures must also comply with the Cudahy security ordinance. Welding operations shall be conducted within a fully enclosed structure, or shall be shielded from public view. (Ord. 587 § 20-1.2325).

20.88.070 Hazardous materials.

The use, handling, storage, and transportation of combustibles and explosives shall comply with

applicable provisions of the Uniform Fire Code, city regulations, and all other local, state, and federal regulations. (Ord. 587 § 20-1.2330).

20.88.080 Radioactive materials.

The use, handling, storage, and transportation of radioactive material shall comply with the provisions of the Uniform Fire Code and all other local, state, and federal regulations. (Ord. 587 § 20-1.2335).

20.88.090 Electromagnetic interference.

Uses, activities, and processes shall not cause electromagnetic interference with normal radio or television reception or with the function of other electronic equipment beyond the property lines of the site on which they are generated. (Ord. 587 § 20-1.2340).

20.88.100 Odors and gases.

(1) The emission of obnoxious odors of any kind shall not be permitted.

(2) No gas shall be emitted which is injurious to the public health, safety, or general welfare. (Ord. 587 § 20-1.2345).

20.88.110 Hours of operation.

With the exception of office and security activities, any industrial production, processing, cleaning, testing, repairing, shipping, or outdoor activities within 300 feet of a residential zone district shall be limited to the hours of 7:00 a.m. to 10:00 p.m. The community development director may approve additional hours when it can be found that such additional hours will not generate additional disturbance, or that mitigation measures will ensure compatibility with nearby residential areas. (Ord. 587 § 20-1.2350).

20.88.120 Enforcement.

Upon receipt of a complaint alleging infraction of any of the standards enumerated in this chapter, the community development director shall cause an investigation of the specific allegation to be completed. The community development director may retain the services of environmental professionals to perform studies to investigate if violations of the city standards are or have been occurring. If it is determined and documented that violations have occurred, the community development director shall refer the matter to the city attorney's office for appropriate action. Potential violations of smoke standards shall be referred to the South Coast Air Quality Management District.

The individual, firm, association, or party found to be in violation of the city standard shall bear all expenses for the investigation charged to the city. (Ord. 587 § 20-1.2355).

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/10/2019
Case Description: LASD1-31.1

**** Receptor #1 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Site Prep	Residential	60.0	55.0	60.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	425.0	0.0
Dozer	No	40		81.7	425.0	0.0
Dozer	No	40		81.7	425.0	0.0
Tractor	No	40	84.0		425.0	0.0
Tractor	No	40	84.0		425.0	0.0
Front End Loader	No	40		79.1	425.0	0.0
Backhoe	No	40		77.6	425.0	0.0

Results

Equipment	Calculated (dBA) Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq
Dozer	63.1	59.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	63.1	59.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	63.1	59.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	65.4	61.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	65.4	61.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	60.5	56.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	59.0	55.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	65.4	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/10/2019
Case Description: LASD1-31.1

**** Receptor #1 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Utility Trecnhing	Residential	60.0	55.0	60.0

Equipment

Description	Impact Device	Spec Usage (%)	Actual Lmax (dBA)	Receptor Lmax (dBA)	Estimated Distance (feet)	Shielding (dBA)
Excavator	No	40		80.7	425.0	0.0
Tractor	No	40	84.0		425.0	0.0
Drill Rig Truck	No	20		79.1	425.0	0.0

Results

	Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	Calculated (dBA)		Day		Evening		Night		Day		Evening		Night	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	62.1	58.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	65.4	61.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drill Rig Truck	60.6	53.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	65.4	63.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/10/2019
Case Description: LASD1-31.1

**** Receptor #1 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Utility Trecnhing	Residential	60.0	55.0	60.0

Equipment

Description	Impact Device	Spec Usage (%)	Actual Lmax (dBA)	Receptor Lmax (dBA)	Estimated Distance (feet)	Shielding (dBA)
Excavator	No	40		80.7	425.0	0.0
Tractor	No	40	84.0		425.0	0.0
Drill Rig Truck	No	20		79.1	425.0	0.0

Results

	Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	Calculated (dBA)		Day		Evening		Night		Day		Evening		Night	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	62.1	58.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	65.4	61.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drill Rig Truck	60.6	53.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	65.4	63.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/10/2019
Case Description: LASD1-31.1

**** Receptor #1 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Portable Installation	Residential	60.0	55.0	60.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16	80.6	425.0	0.0	

Results

Equipment	Calculated (dBA) Lmax	Calculated (dBA) Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Crane	62.0	54.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	62.0	54.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/10/2019
Case Description: LASD1-31.1

**** Receptor #1 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Portable Removal	Residential	60.0	55.0	60.0

Equipment

Description	Impact Device	Spec Usage (%)	Actual Lmax (dBA)	Receptor Lmax (dBA)	Estimated Distance (feet)	Shielding (dBA)
Crane	No	16	80.6	425.0	0.0	

Results

Equipment	Calculated (dBA) Lmax	Calculated (dBA) Leq	Day Noise Limits (dBA) Lmax	Day Noise Limits (dBA) Leq	Evening Noise Limits (dBA) Lmax	Evening Noise Limits (dBA) Leq	Night Noise Limits (dBA) Lmax	Night Noise Limits (dBA) Leq	Day Noise Limit Exceedance (dBA) Lmax	Day Noise Limit Exceedance (dBA) Leq	Evening Noise Limit Exceedance (dBA) Lmax	Evening Noise Limit Exceedance (dBA) Leq	Night Noise Limit Exceedance (dBA) Lmax	Night Noise Limit Exceedance (dBA) Leq
Crane	62.0	54.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	62.0	54.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/10/2019
Case Description: LASD1-31.1

**** Receptor #1 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Handball Court Demolition	Residential	60.0	55.0	60.0

Equipment

Description	Impact Device	Spec Usage (%)	Actual Lmax (dBA)	Receptor Lmax (dBA)	Estimated Distance (feet)	Shielding (dBA)
Concrete Saw	No	20	89.6	425.0	0.0	
Excavator	No	40	80.7	425.0	0.0	
Excavator	No	40	80.7	425.0	0.0	
Excavator	No	40	80.7	425.0	0.0	
Dozer	No	40	81.7	425.0	0.0	
Dozer	No	40	81.7	425.0	0.0	

Results

	Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	71.0	64.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	62.1	58.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	62.1	58.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	62.1	58.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	63.1	59.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	63.1	59.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	71.0	67.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/10/2019
Case Description: LASD1-31.1

**** Receptor #1 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Building Construction	Residential	60.0	55.0	60.0

Equipment

Description	Impact Device	Spec Usage (%)	Actual Lmax (dBA)	Receptor Lmax (dBA)	Estimated Distance (feet)	Shielding (dBA)
Crane	No	16	80.6	425.0	0.0	
Man Lift	No	20	74.7	425.0	0.0	
Man Lift	No	20	74.7	425.0	0.0	
Man Lift	No	20	74.7	425.0	0.0	
Generator	No	50	80.6	425.0	0.0	
Tractor	No	40	84.0	425.0	0.0	
Front End Loader	No	40	79.1	425.0	0.0	
Backhoe	No	40	77.6	425.0	0.0	
Welder / Torch	No	40	74.0	425.0	0.0	

Results

	Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	62.0	54.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	56.1	49.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	56.1	49.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	56.1	49.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	62.0	59.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	65.4	61.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	60.5	56.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	59.0	55.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Welder / Torch	55.4	51.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	65.4	65.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/10/2019
Case Description: LASD1-31.1

**** Receptor #1 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Building Construction	Residential	60.0	55.0	60.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	425.0	0.0
Man Lift	No	20		74.7	425.0	0.0
Man Lift	No	20		74.7	425.0	0.0
Man Lift	No	20		74.7	425.0	0.0
Generator	No	50		80.6	425.0	0.0
Tractor	No	40	84.0		425.0	0.0
Front End Loader	No	40		79.1	425.0	0.0
Backhoe	No	40		77.6	425.0	0.0
Welder / Torch	No	40		74.0	425.0	0.0
Drill Rig Truck	No	20		79.1	425.0	0.0

Results

Equipment	Calculated (dBA) Lmax	Leq	Noise Limits (dBA) Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq	Noise Limit Exceedance (dBA) Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq
Crane	62.0	54.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	56.1	49.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	56.1	49.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	56.1	49.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	62.0	59.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	65.4	61.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	60.5	56.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	59.0	55.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

N/A															
Welder / Torch	55.4	51.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
N/A															
Drill Rig Truck	60.6	53.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
N/A															
Total	65.4	65.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
N/A															

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/10/2019
Case Description: LASD1-31.1

**** Receptor #1 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Architectural Coating - Modernization	Residential	60.0	55.0	60.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	425.0	0.0

Results

	Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	59.1	55.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	59.1	55.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/10/2019
Case Description: LASD1-31.1

**** Receptor #1 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Rough Grading	Residential	60.0	55.0	60.0

Equipment

Description	Impact Device	Spec Usage (%)	Actual Lmax (dBA)	Receptor Lmax (dBA)	Estimated Distance (feet)	Shielding (dBA)
Excavator	No	40		80.7	425.0	0.0
Grader	No	40	85.0		425.0	0.0
Dozer	No	40		81.7	425.0	0.0
Tractor	No	40	84.0		425.0	0.0
Front End Loader	No	40		79.1	425.0	0.0
Backhoe	No	40		77.6	425.0	0.0

Results

	Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	Calculated (dBA)		Day		Evening		Night		Day		Evening		Night	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	62.1	58.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	66.4	62.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	63.1	59.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	65.4	61.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	60.5	56.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	59.0	55.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	66.4	67.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/10/2019
Case Description: LASD1-31.1

**** Receptor #1 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Fine Grading	Residential	60.0	55.0	60.0

Equipment

Description	Impact Device	Spec Usage (%)	Actual Lmax (dBA)	Receptor Lmax (dBA)	Estimated Distance (feet)	Shielding (dBA)
Excavator	No	40		80.7	425.0	0.0
Grader	No	40	85.0		425.0	0.0
Dozer	No	40		81.7	425.0	0.0
Tractor	No	40	84.0		425.0	0.0
Front End Loader	No	40		79.1	425.0	0.0
Backhoe	No	40		77.6	425.0	0.0

Results

	Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	Lmax	L10	Lmax	L10	Lmax	L10	Lmax	L10	Lmax	L10	Lmax	L10	Lmax	L10
Excavator	62.1	61.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	66.4	65.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	63.1	62.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	65.4	64.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	60.5	59.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	59.0	58.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	66.4	70.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 01/10/2019
Case Description: LASD1-31.1

**** Receptor #1 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Paving - Kindergarten Area	Residential	60.0	55.0	60.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	425.0	0.0
Paver	No	50		77.2	425.0	0.0
Pavement Scarafier	No	20		89.5	425.0	0.0
Pavement Scarafier	No	20		89.5	425.0	0.0
Roller	No	20		80.0	425.0	0.0
Roller	No	20		80.0	425.0	0.0

Results

Equipment	Calculated (dBA) Lmax	L10	Day Lmax	L10	Evening Lmax	L10	Night Lmax	L10	Day Lmax	L10	Evening Lmax	L10	Night Lmax	L10
Paver	58.6	58.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	58.6	58.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	70.9	66.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	70.9	66.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	61.4	57.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	61.4	57.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	70.9	70.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Site Circulation Report

LAUSD SCHOOL MODERNIZATION PROJECT - ELIZABETH LEARNING CENTER



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Traffic, Civil, and Electrical Consulting Engineers

Prepared by:
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For:
ESA
Los Angeles Unified School District

October 17, 2018

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1.0 INTRODUCTION

The purpose of this report is to document existing circulation conditions at and in the vicinity of the Elizabeth Learning Center (Elizabeth LC), located at 4811 Elizabeth Street in the Los Angeles Unified School District's (LAUSD) Local District East in the city of Cudahy. This report summarizes circulation conditions, including circulation patterns and operations, for use in the facilities planning and design process for the Elizabeth LC Comprehensive Modernization Project.

Observations include conditions and operations at adjacent intersections[1] and roadway segments, internal parking lots, and identified or reported issues. Other existing conditions recorded are general vehicular travel (including pick-up/drop-off operations), school bus, parking, transit, pedestrian, and bicycle activity. To aid this process, a safety audit (with an emphasis on walking) was performed within the campus and on the immediately surrounding streets. The audit encompasses positive and negative site circulation attributes observed during field visits from a professional civil engineering perspective. Walkability, accessibility, visibility, and safety of pedestrians and bicyclists around the perimeter of the school are some of the major site circulation elements that were evaluated in the audit. A follow-up interview regarding access, egress, and traffic circulation at the school was conducted with Elizabeth LC administration, including Principal Nora Gonzales, on May 24, 2018.

This report concludes with observed deficiencies, operational and/or circulation issues, and offers potential opportunities for improvements to site access and/or onsite circulation that can be explored further in the facilities planning process for the Elizabeth LC Comprehensive Modernization Project, as well as other future projects. ***Appendix A*** includes notes from the field review conducted on May 22, 2018, and ***Appendix B*** includes notes from the walk audits conducted on the same date. Selected photos depicting conditions described in this report are included in ***Appendix C***. ***Appendix D*** provides additional information on circulation, such as traffic counts on record or suggested routes to school maps.

[1] In accordance with California Vehicle Code, a school warning sign up to 500 feet away from school grounds indicating a speed limit of 25 mph is required when children are present. This represents the approximate area of study.

1.1 School and Neighborhood Description

The Elizabeth LC is located in the city of Cudahy, approximately 7 miles southeast of downtown Los Angeles. Cudahy is bordered by the cities of Bell to the north, South Gate to the south, Bell Gardens to the east, and Huntington Park to the west.

Per the School's 2017-2018 Single Plan for Student Achievement (SPSA), Elizabeth LC serves a total of 1,776 students. It is a pre-kindergarten through grade 12 learning center divided into Elementary, Middle, and High Schools. Grades 10 through 12 are divided between the Information Technology Academy and the Health Academy. Per school administration, a total of 80 teachers work at the school, and the total staff and faculty number 160 employees. Elizabeth LC is located within the boundaries of LAUSD's Bell Zone of Choice. The small school options in each Zone are open to all resident students and represent the demographics of the local area.

2.0 TRANSPORTATION NETWORK

2.1 Streets and Intersections

The Elizabeth LC campus is generally bounded by Elizabeth Street to the south and Clara Street to the north, with the nearest adjacent public streets being Wilcox Avenue to the east and Atlantic Avenue to the west. The public entry to the main office is accessed from Elizabeth Street. Roadway characteristics, including roadway classification identified in the City of Cudahy *General Plan Update* adopted in September 2010, for study area roadways are provided below.

STUDY AREA ROADWAYS

Elizabeth Street is an east-west roadway classified as a Collector Street with one travel lane in each direction within the school zone[2]. 20-minute parking is allowed on the south side. Curb parking is prohibited between 3:00 am to 6:00 am from Tuesday to Sunday on the south side of Elizabeth Street except for vehicles displaying a valid Overnight Parking Permit. Overnight Parking Permits do not apply from 12:00 am to 7:00 am on Mondays. Approximately 800 feet of 3-minute loading and unloading zone is located on the north side of Elizabeth Street, between the school's main office and a faculty parking lot on the west side of campus. The posted speed

[2] In accordance with California Vehicle Code, a school warning sign up to 500 feet away from school grounds indicating a speed limit of 25 mph is required when children are present. This represents the approximate area of study.

limit is 25 mph and school signs are posted in accordance with Section 22352 of the California Vehicle Code. Commercial vehicles over 3 tons are prohibited. Speed humps exist within the school zone on this street.

Clara Street is an east-west roadway classified as a Collector Street with one travel lane in each direction within the school zone. No stopping is allowed any time on both sides of Clara Street. There is no posted speed limit, but school zone signs are posted in accordance with Section 22352 of the California Vehicle Code. Speed humps exist within the school zone on this street.

Wilcox Avenue is a north-south roadway classified as a Collector Street with one travel lane in each direction within the school zone. Curb parking is prohibited between 3:00 am to 6:00 am from Tuesday to Sunday except for vehicles displaying a valid Overnight Parking Permit on both sides of Wilcox Avenue. Overnight Parking Permits do not apply from 12:00 am to 7:00 am on Mondays. The posted speed limit is 30 mph, and 25 mph when children are present in accordance with Section 22352 of the California Vehicle Code.

Atlantic Avenue is a north-south roadway classified as a Major Highway with two travel lanes in each direction and a raised median within the school zone. Curb parking is prohibited between 3:00 am to 6:00 am from Tuesday to Sunday west of Atlantic Avenue except for vehicles displaying a valid Overnight Parking Permit. Overnight Parking Permits do not apply from 12:00 am to 7:00 am on Mondays. 2-hour parking is allowed from 7:00 am to 6:00 pm on both sides. The posted speed limit is 35 mph, and 25 mph when children are present in accordance with Section 22352 of the California Vehicle Code.

STUDY AREA INTERSECTIONS

In accordance with California Vehicle Code, a school warning sign up to 500 feet away from school grounds indicating a speed limit of 25 mph is required when children are present. This represents the approximate area of study.

Elizabeth Street & Atlantic Avenue is a signalized intersection with permissive left turn signal phasing on all movements. The intersection operates under actuated signal timing. U-turns are prohibited for the northbound and southbound approach.

Elizabeth Street & Wilcox Avenue is an unsignalized intersection with stop control on all movements.

Clara Street & Wilcox Avenue is a signalized intersection with permissive left turn signal phasing on all movements. The intersection operates under actuated signal timing.

Clara Street & Atlantic Avenue is a signalized intersection with permissive left turn signal phasing on all movements. The intersection operates under actuated signal timing. U-turns are prohibited for the northbound and southbound approach.

Specific characteristics of each intersection, including lane configurations, can be found in ***Appendix A***.

2.2 Transit

Metro is the transit operator that provides public transit access to Elizabeth LC. Bus transit stops and services (operators and routes) provided adjacent to Elizabeth LC are as follows:

- Atlantic Avenue
  - Northeast corner of Elizabeth Street
    - Metro 260 (northbound)
  - Southwest corner of Elizabeth Street
    - Metro 260 (southbound)
  - Northeast corner of Clara Street
    - Metro 260 (northbound)
  - Southwest corner of Clara Street
    - Metro 260 (southbound)
- Wilcox Avenue
  - Southeast corner of Clara Street
    - Metro 611 (northbound)
  - Southwest corner of Clara Street
    - Metro 611 (southbound)
  - Northwest corner of Elizabeth Street
    - Metro 611 (southbound)
  - Southeast corner of Elizabeth Street
    - Metro 611 (northbound)

Metro Local Route 260 operates seven days a week between Altadena and Compton via Atlantic Boulevard. Metro Local Route 661 operates seven days a week in a loop between South Los Angeles and Cudahy. There are no nearby fixed-rail public transit services.

2.3 Bicycle and Pedestrian Facilities

There are no bicycle facilities located within the school zone. No bicycle racks are provided on school grounds. Per the City of Cudahy's *Safe Routes to School Plan* adopted in January 2015, Elizabeth Street and Atlantic Avenue are planned to have green sharrows installed, and Clara Street and Wilcox Avenue are proposed to have colored bike lanes installed.[3]

Sidewalks exist on both sides of Elizabeth Street, Clara Street, Wilcox Avenue, and Atlantic Avenue within the school zone. These sidewalks appear to be in compliance with ADA requirements of minimum width of 36 inches for single wheelchairs passage and maximum cross slope of 2%.

Per the City of Cudahy's *Safe Routes to School Plan,* parents were surveyed regarding their distance from Elizabeth LC and the mode of transportation their children use. 73% of parents said that they live less than half a mile away from Elizabeth LC and 66% of parents said that their child walks to school. Additional information about City of Cudahy's *Safe School Routes to School Plan* can be found in ***Appendix D***.

2.4 Parks and Other Recreational Facilities

Clara Street Park is located approximately 0.6 miles walking north of Elizabeth LC and Clara Street Expansion Park is located immediately adjacent to Elizabeth LC. Salt Lake Park is located approximately 1.7 miles walking northwest of Elizabeth LC in the city of Huntington Park.

2.5 Congestion Locations

During the morning and afternoon bell periods, students crossing the street cause queues on Clara Street and Elizabeth Street. On Clara Street, eastbound queues of approximately 500 feet west of the marked crosswalk in front of the school gate and westbound queues of approximately 300 feet east of the marked crosswalk in front of the school gate were observed.

[3] "Sharrows" are pavement markings that remind the driver that bicycles may share the lane, per California Vehicle Code. These are commonly placed on local and collector streets to serve as part of the Class III Bicycle Route system.

On Elizabeth Street, eastbound queues of approximately 200 feet west of the marked crosswalk and westbound queues of approximately 100 feet east of the marked crosswalk were observed. These queues dissipated quickly after the crossing guards for those crosswalks allowed vehicles through. Additionally, vehicles double-park on the north side of Elizabeth Street near the school gate and make illegal U-turns, causing 50 to 75 feet of queues along Elizabeth Street.

During the afternoon pick up period, students were observed crossing Elizabeth Street, causing queues of up to three vehicles that dissipated quickly. Additionally, vehicles double-park on the north side of Elizabeth Street near the school gate and numerous illegal U-turns were observed on Elizabeth Street, causing 50 to 75 feet of queues along Elizabeth Street. On Clara Street, students crossing were observed to cause much longer queues than those observed during the morning bell period. Queues of 600 feet for the westbound direction east of the marked crosswalk and 300 feet for the eastbound direction west of the marked crosswalk were observed. These queues were mainly due to the high pedestrian volumes using the crosswalk.

A City Municipal Enforcement officer was present during the field visit to observe drop-off/pick-up periods and enforce the law with respect to vehicles violating vehicle codes such as double-parking or parking along red curbs. ***Appendix D*** contains traffic counts that were obtained from the State of California Statewide Integrated Traffic Records System (SWITRS) database[4].

3.0 SCHOOL OPERATIONS

3.1 Parking

At the Elizabeth LC campus, there are three gated faculty and staff parking lots, with a small adjoining multi-use parking lot that is ungated. The main faculty parking lot is located on the west side of the Elizabeth LC campus and contains 104 marked spaces, 1 van-accessible space and 4 regular accessible spaces. This parking lot was observed to be 75% utilized during school hours. Access is provided from Elizabeth Street through the small parking lot, then through gates into the main parking lot. Gates for the main parking lot are closed during school hours. The adjoining small lot is located between the main faculty parking lot and Elizabeth Street, and is open all day. Visitors are generally not allowed to use it, except with permission from the main office. The small parking lot contains 13 marked spaces and 1 regular ADA space. This parking lot was observed to be 95% utilized during school hours. The second

[4] http://iswitrs.chp.ca.gov/Reports/jsp/RawData.jsp

faculty parking lot is located off of Elizabeth Street, immediately to the west of the main building, and contains 8 marked spaces and 1 van-accessible space. The gate for this parking lot is closed during school hours. This parking lot was observed to be 50% to 75% utilized during school hours. The third faculty parking lot is located at the northeast corner of the Elizabeth LC campus and contains 28 marked spaces and 1 regular accessible space. There is an unmarked area at the northwest corner of this parking lot that can accommodate 5 vehicles. This parking lot was observed to be 95% utilized during school hours. This parking lot is accessible through a gate along Clara Street.

Both students and visitors utilize available curb parking. During the peak pick-up/drop-off period, the utilization of curb parking is greater than 95%. During mid-day, the utilization of curb parking is estimated at 50% to 75%.

3.2 Circulation

Since the Elizabeth LC is a closed campus, three gates restrict access and are opened only for the morning and afternoon bell periods. The north gate is in the middle of Clara Street and it serves all grades except kindergarten. The other two gates are located along the school's Elizabeth Street frontage. The west gate serves all grades except kindergarten, and the east gate serves only kindergarten students. School buses stop along the north side of Elizabeth Street immediately west of the school's main entrance to load and unload students. According to school administration, all buses that serve Elizabeth LC are for special education. Typically, a total of 6 buses serve the school, and arrivals are staggered two at a time. An ADA path of travel exists at this location which allows disabled students to access the Elizabeth LC campus. The north gate on Clara Street remains closed for the afternoon bell, and elementary and secondary grade dismissals are staggered.

Most vehicular traffic to or from the school was observed to travel east and west along Elizabeth Street or Clara Street. Although a 3-minute loading and unloading zone is posted on the north side of Elizabeth Street, a few parents were observed to stop and wait for their children more than three minutes. Some parents were also observed to stop in the middle of the roadway and double-park, which blocks through vehicles. Although no stopping is allowed any time on both sides of Clara Street, parents were observed to park at no stopping zones to drop-off or pick-up students. Occasionally some parents were observed to make illegal U-turns on Elizabeth Street and Clara Street. School administration noted that most vehicle traffic to and from the school uses the I-710 Florence Avenue interchange and use both Wilcox Avenue and Atlantic Avenue

equally. Although the Firestone Boulevard interchange is closer, it is rarely used because of the at-grade railroad crossings on Firestone Boulevard and Atlantic Avenue, which are blocked on occasion.

There is one marked crosswalk in the middle of Elizabeth Street. High pedestrian volume was observed during the morning and afternoon bell period. One crossing guard was present to help students cross Elizabeth Street. Due to the high pedestrian volume, queues were observed on both sides of Elizabeth Street. A City Municipal Enforcement officer was also observed near the gate on Elizabeth Street to direct vehicles.

There are two marked crosswalks in the middle of Clara Street with center island refuges. For the crosswalk further to the west, high pedestrian volumes were observed during the morning and afternoon bell periods. One crossing guard was located at the crosswalk approximately 1,100 feet from the intersection of Atlantic Avenue and Clara Street to help students cross Clara Street. Due to the high pedestrian volume, queues were observed on both sides of Clara Street. For the crosswalk further to the east, no crossing guard was present and the pedestrian volume was low.

Selected photos that show some of the conditions described above are provided in ***Appendix C***.

3.3 Crash History

Crash data was extracted within the Elizabeth LC school zone. Between 2013 and 2016, a total of eight crashes occurred. Four of these crashes were near the intersection of Elizabeth Street and Atlantic Avenue. Three of these occurred at the intersection of Clara Street and Wilcox Avenue. One collision occurred at the intersection of Clara Street and Atlantic Avenue. Within the school zone, one bicycle collision was recorded near the intersection of Elizabeth Street and Atlantic Avenue which resulted in severe injuries. Most collisions were rear end, broadside, or sideswipes.

Based on the available data, no discernible collision patterns were noted.

4.0 DEFICIENCIES AND OPPORTUNITIES

4.1 Walk Audit Observations

The Elizabeth LC campus grade is relatively flat. A large number of portable classrooms exist on the east side of campus. No direct pedestrian access is provided between campus and the

adjacent park (Clara Street Expansion Park). In order to access the campus from Clara Street during school hours or after school, visitors and students must walk through this park to reach the main entrance.

The external walk audit conducted on May 22, 2018 within the school perimeter revealed the following deficiencies:

- Elizabeth Street
  - No parking sign on the south side is hidden by overgrown trees
- Wilcox Avenue
  - Pavement cracked because of overgrown tree roots
- Clara Street
  - Pavement markings are worn and cracked on the intersection of Clara Street and Atlantic Avenue, which may affect the visibility of the crossing
  - Parked/stopped vehicles in no parking areas near marked crosswalks obstruct sight distance between pedestrians and approaching vehicles

Additional detail from the walk audit is provided in ***Appendix B***. Selected photos for major deficiencies prompted by the walk audit are provided in ***Appendix C***.

4.2 Observed Circulation Deficiencies

- Pick-up/Drop-offs
  - Double-parking on the west side of Elizabeth Street
  - Some vehicles make illegal U-turns on Elizabeth Street and Clara Street
  - Parked/stopped vehicles in no parking area on Clara Street
  - Some pedestrians j-walk across Elizabeth Street (i.e., do not use the nearest crosswalk)
  - Conflicts with bicyclists were observed on sidewalks during the afternoon bell period
- Parking
  - Visitors are unaware that the parking lot near the middle of Elizabeth Street is available for use with permission from the main office
- Circulation
  - No designated bus loading zone or school bus zone in front of the school
- Off-site Facilities

- Although not under the direct control of LAUSD, control boxes strapped onto the poles for Rectangular Rapid Flashing Beacon (RRFB) signs, located at both mid-block crosswalks on Elizabeth Street and Clara Street, are mounted over the sidewalk with low vertical clearance, and therefore may pose an obstruction

4.3 Positive Attributes

- Crossing guards are deployed at high pedestrian volume locations to assist students crossing Elizabeth Street and Clara Street
- Regular law enforcement presence results in higher compliance rate
- High visibility mid-block crosswalks and school signs with flashing yellow alert drivers to the presence of students within the school zone

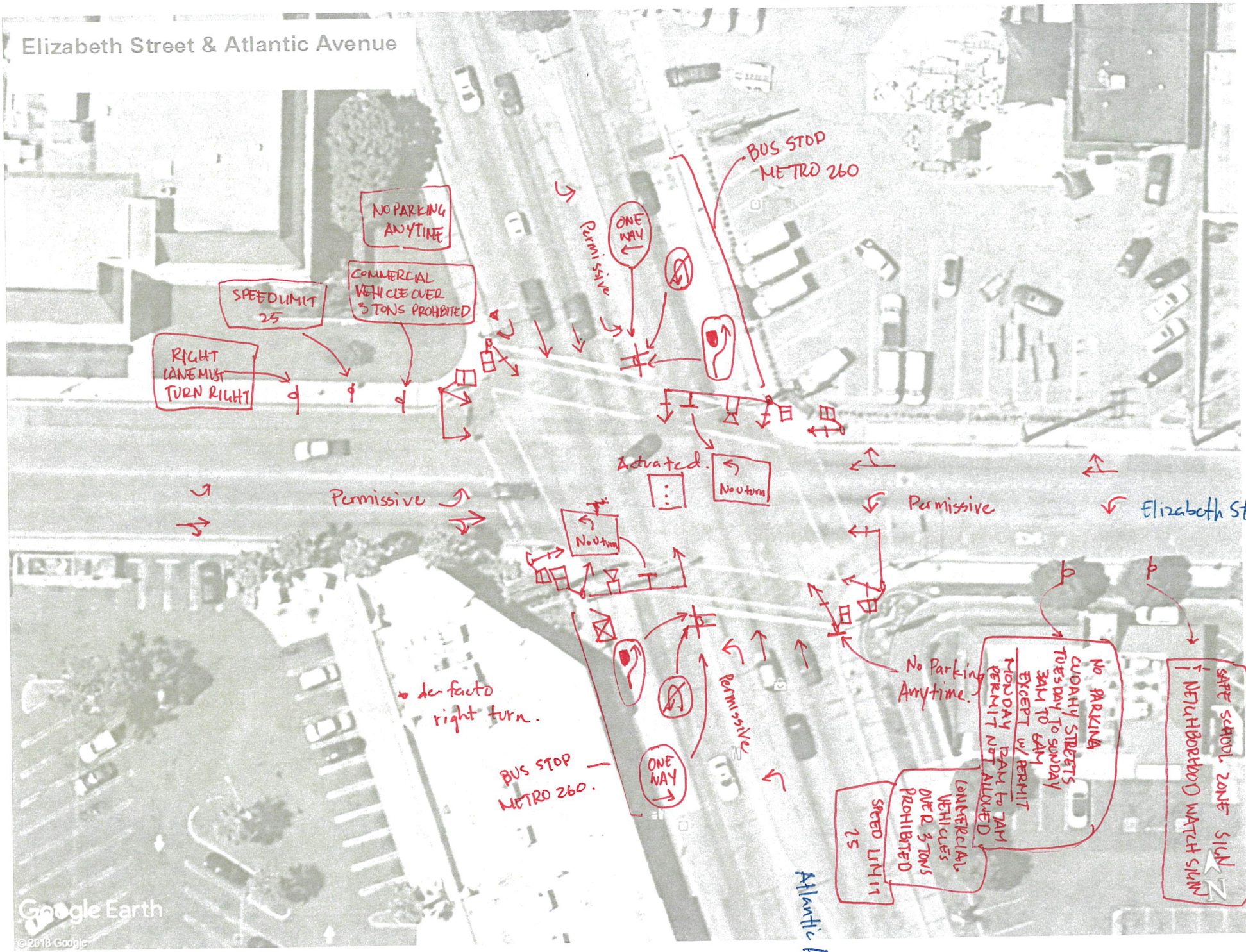
4.4 Opportunities

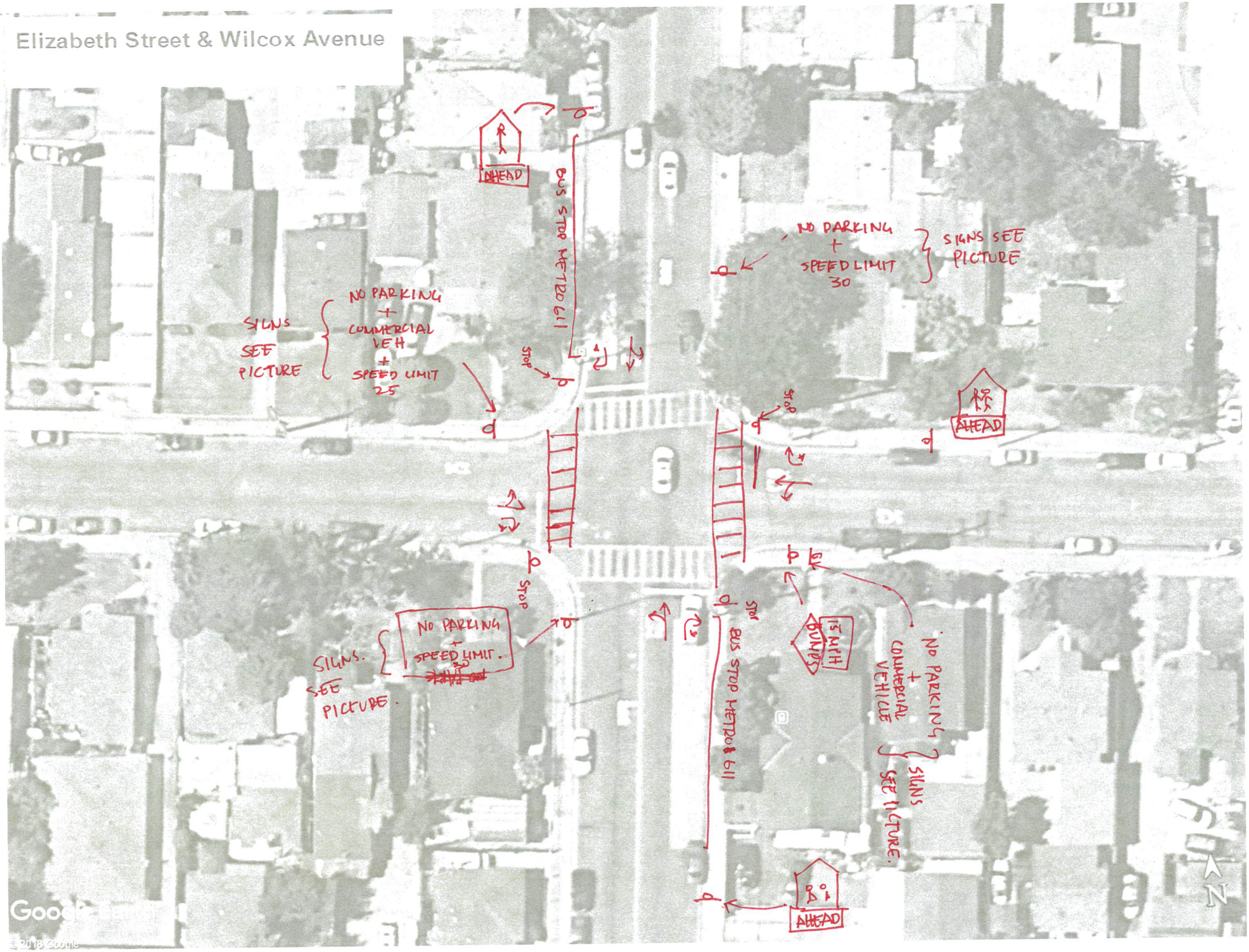
The following opportunities are not required improvements and are not required to limit or mitigate potential impacts. This list is provided solely as observations to LAUSD of the existing conditions that were observed during a site visit for planning purposes. The feasibility or practicality of these opportunities have not been evaluated and LAUSD does not have jurisdiction over any off-site improvements.

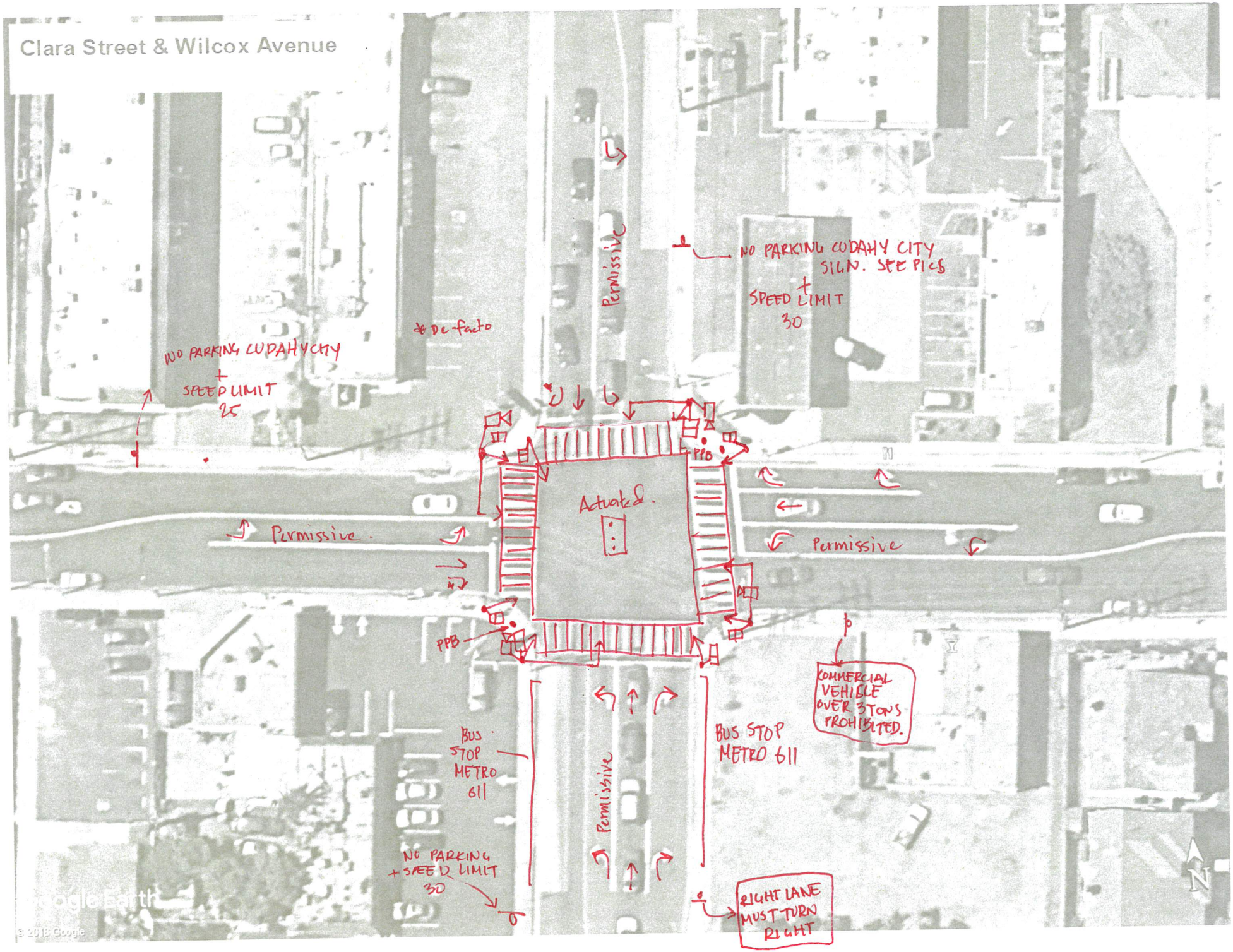
- Install signs that indicate ”School Bus Only” for bus loading zone along Elizabeth Street
- Replace “3 Minute Loading Zone” signs with “Passenger Loading and Unloading” signs
- Repair worn pavement markings at intersections along Atlantic Avenue and Wilcox Avenue
- Utilize the northern gate on Clara Street for dismissals, which may help to redistribute some of the pick-up demand from Elizabeth Street
- Consider installing a student pick-up/drop-off area on Elizabeth Street in front of the combined cafeteria/auditorium building and wellness center if the setback between the building and Elizabeth Street is sufficient to accommodate it; this pick-up/drop-off area would separate vehicles from the bus loading area for disabled students

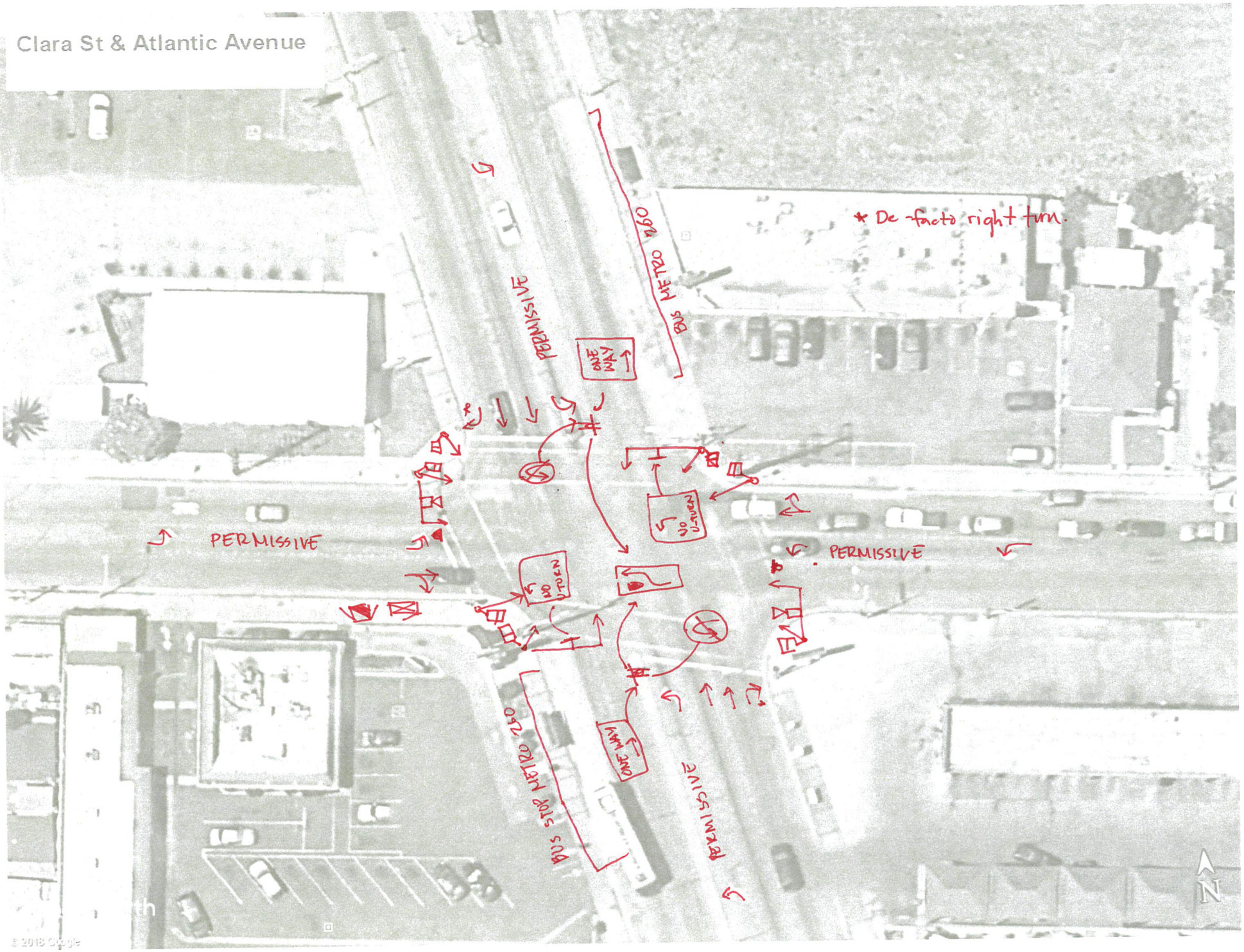
APPENDIX A

Field Review Sheets


Elizabeth Street & Atlantic Avenue
NO PARKING ANYTIME
SPEED LIMIT 25
COMMERCIAL VEHICLE OVER 3 TONS PROHIBITED
RIGHT LANE MUST TURN RIGHT
BUS STOP METRO 260
ONE WAY
Permissive
Actuated.
No u-turn
Permissive
Elizabeth St
No u-turn
de facto right turn.
BUS STOP METRO 260.
ONE WAY
Permissive
No Parking Anytime.
NO PARKING CUOAHY STREETS TUESDAY TO SUNDAY 3AM TO 6AM EXCEPT W/ PERMIT MONDAY 7AM to 7AM PERMIT NOT ALLOWED
COMMERCIAL VEHICLES OVER 3 TONS PROHIBITED
SPEED LIMIT 25
SAFE SCHOOL ZONE SIGN
NEIGHBORHOOD WATCH SIGN
CHECK PIC.
Atlantic Ave.
Google Earth
© 2018 Google


Elizabeth Street & Wilcox Avenue
AHEAD
BUS STOP METRO 611
NO PARKING + SPEED LIMIT 30
SIGNS SEE PICTURE
NO PARKING + COMMERCIAL VEH + SPEED LIMIT 25
SIGNS SEE PICTURE
STOP
STOP
AHEAD
STOP
NO PARKING + SPEED LIMIT.
SIGNS. SEE PICTURE.
STOP
BUS STOP METRO 611
15 MPH BUMPS
NO PARKING + COMMERCIAL VEHICLE
SIGNS SEE PICTURE.
AHEAD
N


Clara Street & Wilcox Avenue
NO PARKING CUDAHY CITY
+
SPEED LIMIT
25
de facto
Permissive
NO PARKING CUDAHY CITY
SIGN. SEE PICS
+
SPEED LIMIT
30
PPD
Actuated
Permissive
Permissive
PPB
COMMERCIAL
VEHICLE
OVER 3TONS
PROHIBITED.
BUS
STOP
METRO
611
BUS STOP
METRO 611
Permissive
NO PARKING
+
SPEED LIMIT
30
RIGHT LANE
MUST TURN
RIGHT
N
Google Earth
© 2018 Google


Clara St & Atlantic Avenue
PERMISSIVE
PERMISSIVE
BUS STOP METRO 260
ONE WAY
NO U-TURN
BUS STOP METRO 240
ONE WAY
PERMISSIVE
PERMISSIVE
* De-facto right turn
N
© 2018 Google

REGULAR DAY 2:36 ELEM. 2:17 (HIGH SCHOOL/MIDDLE)

Elizabeth Learning Center

For Street Audit Use

NOTE: SEE INTERSECTIONS FOR MORE SIGNS.

☆☆ : No stopping any time.

Harlie Ave

Elizabeth St

Wilcox Ave

No parking } see picture
CUDAHY SIGN

2Hour Parking 7am-6pm

2Hour Parking 7am-6pm

MAIN PARKING

see picture } No Parking + SPEED LIMIT 25

GATE CLOSE DURING SCHOOL HOURS

COVERED PARKING

ELIZABETH ST

PARKING NOTES.
- ALL PARKING FOR FACULTY/STAFF ONLY
- VISITORS & STUDENTS USE CURB PARKING.

PARKING
104 MARKED
+4 VAN ADA
+4 REG ADA
109 SPACES.

HERE TO

NO STOPPING ANYTIME

BUMP

AHEAD

BUMP

15 MPH BUMPS - tree block the sign.

GATED PARKING, CLOSE DURING SCHOOL HOURS.

PARKING.
28 MARKED
+ 1 ADA
=29 MARKED.
(BUT CAN ACCOMODATE 5 MORE SPACES AT NW END.)

- SIGNS SEE PICTURE } SAFE SCHOOL ZONE + NEIGHBORHOOD WATCH

PARKING
3 MARKED
+1 REG ADA
=14 SPACES.

NO STOPPING FIRE LANE

PARKING

3 Minute ☆ loading/unloading

PARKING GATE FOR CAFETERIA USE
- 8 MARKED SPACES
+ 1 VAN ADA
=9 SPACES

(CLOSE DURING SCHOOL HOURS)

15 MPH BUMPS

AHEAD

BUMP

- SIGNS SEE PICTURE } NO PARKING + COMMERCIAL VEH + SPEED LIMIT 25

-SIGNS ARE OBSTRUCTED BY EXISTING TREES.

SCHOOL SPEED LIMIT 25

1-12 ENTRANCE

KINDER ENT.

AHEAD

School speed Limit 25

15 MPH BUMPS

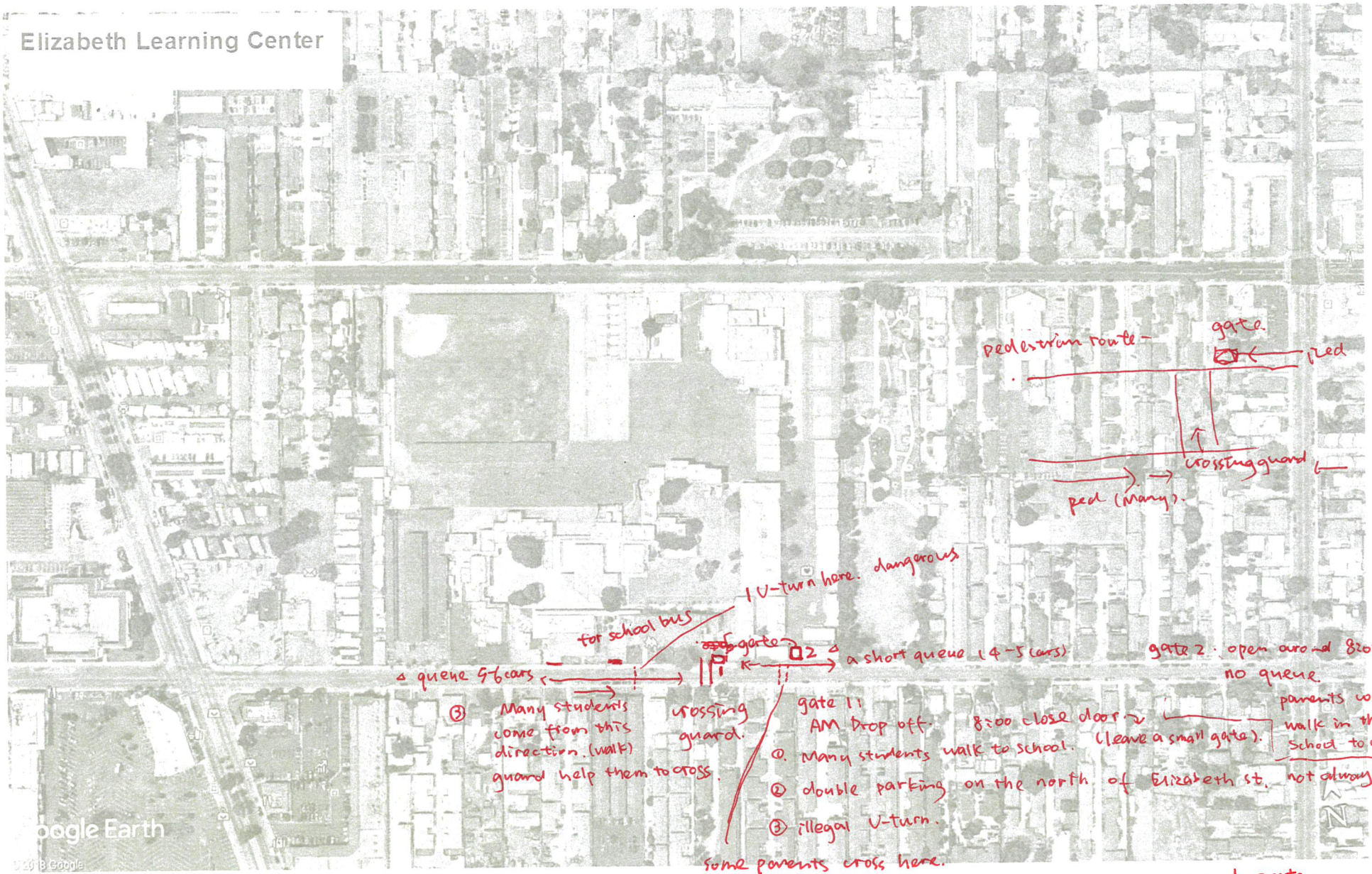
BUMP

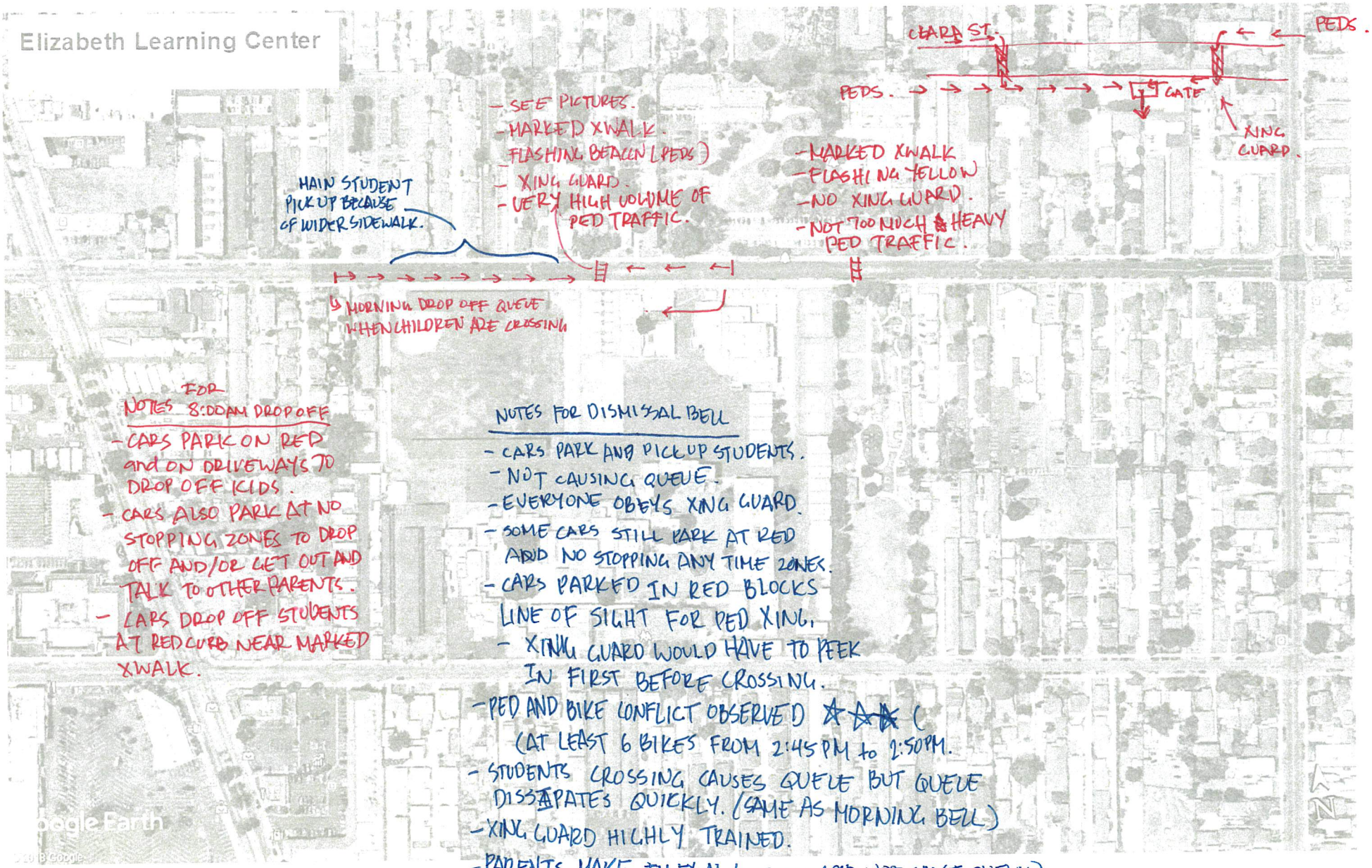
AHEAD

FIELD HERE

20 MINUTE PARKING

BUMP


Elizabeth Learning Center
pedestrian route
gate
fed
crossing guard
ped (many).
U-turn here. dangerous
for school buses
gate 1
gate 2
a short queue (4-5 cars)
gate 2: open around 8:05
no queue
queue 5-6 cars
③ Many students come from this direction. (walk) guard help them to cross.
crossing guard.
gate 1:
AM drop off.
8:00 close door
(leave a small gate).
parents could walk in the school to drop off
① Many students walk to school.
② double parking on the north of Elizabeth st. not always.
③ illegal U-turn.
some parents cross here.
④. security / traffic enforcer near the gate.
⑤ random park and drop off.
Google Earth
© 2018 Google



NOTES FOR 8:00AM DROPOFF

- CARS PARK ON RED and ON DRIVEWAYS TO DROP OFF KIDS.
- CARS ALSO PARK AT NO STOPPING ZONES TO DROP OFF AND/OR GET OUT AND TALK TO OTHER PARENTS.
- CARS DROP OFF STUDENTS AT RED CURB NEAR MARKED XWALK.

NOTES FOR DISMISSAL BELL

- CARS PARK AND PICK UP STUDENTS.
- NOT CAUSING QUEUE.
- EVERYONE OBEYS XING GUARD.
- SOME CARS STILL PARK AT RED AND NO STOPPING ANY TIME ZONES.
- CARS PARKED IN RED BLOCKS LINE OF SIGHT FOR PED XING.
  - XING GUARD WOULD HAVE TO PEEK IN FIRST BEFORE CROSSING.
- PED AND BIKE CONFLICT OBSERVED ☆☆☆ (AT LEAST 6 BIKES FROM 2:45PM to 2:50PM.
- STUDENTS CROSSING CAUSES QUEUE BUT QUEUE DISSIPATES QUICKLY. (SAME AS MORNING BELL)
- XING GUARD HIGHLY TRAINED.
- PARENTS MAKE ILLEGAL U-TURN. (DID NOT CAUSE QUEUE)

Elizabeth Learning Center

For Street Audit Use



APPENDIX B

Walk Audit Sheets

EXISTING CONDITIONS FIELD ASSESSMENT

PROCEDURE:

Each school location will include a project limit of all streets, intersections and midblock crossings that immediately surround the school grounds. Streets and intersections will be identified prior to the site visit.

OBSERVER: VIVIANNE TABUENA & SIHUA SONG DATE: 7AM - 3PM

LOCATION/WEATHER: ELIZABETH LEARNING CENTER / OVERCAST TIME: 5/22/2018

STREETS:

ELIZABETH ST, between ATLANTIC AVE and WILCOX AVE

WILLOX AVE, between ~~ELIZABETH~~ ST and CLARA ST

CLARA ST, between WILCOX AVE and ATLANTIC AVE

ATLANTIC AVE, between CLARA ST and ELIZABETH ST.

INTERSECTIONS:

ELIZABETH ST and ATLANTIC AVE

WILLOX AVE and ELIZABETH ST

CLARA ST and WILCOX AVE

~~WILCOX~~ ATLANTIC AVE and CLARA ST.

After the project limit has been determined and aerial has been printed, the following list of items will be recorded or identified as missing:

1. Existing Lane Configurations
   a. Intersections – within reasonable vicinity of school
   b. Street Segments – within reasonable vicinity of school
2. Existing Traffic Signs
3. Locations of Existing Traffic Signals and Street Lighting
4. Locations of Existing Transit Areas
5. Existing Pedestrian and Bicycle Facilities
   a. Bike Lanes
   b. Sidewalks
   c. Crosswalks
   d. Pedestrian Ramps
6. Parking configurations as shown on aerials for: (4 Parking)
   a. Administration
   b. Teachers
   c. Students
   d. Visitors
   e. Deliveries
   f. Buses
   g. On-street

   - 1 Main + 3 Small
   - ONLY FOR FACULTY.
   - VISITORS / FACULTY / STUDENTS PARK AT AVAILABLE CURB PARKING.
7. Pick-up and Drop-off Operation Issues During Peak Periods
8. General Internal and External Circulation Issues

A Road Safety Audit (see attached template) will be conducted as part of each location's assessment.

NEEDS:

- Safety Vest
- Clipboard, pad and pen/pencil
- Geo-referenced digital camera
- Measuring wheel
- Shoes with ankle protection

Elizabeth Street and Atlantic Ave.

INTERSECTIONS

Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Do wide curb radii lengthen pedestrian crossing distances and encourage high-speed right turns?	N
	2.	Do channelized right turn lanes minimize conflicts with pedestrians?	N/A
	3.	Does a skewed intersection direct drivers' focus away from crossing pedestrians?	N
	4.	Are pedestrian crossings located in areas where sight distance may be a problem?	N
	5.	Do raised medians provide a safe waiting area (refuge) for pedestrians?	N/A
	6.	Are supervised crossings adequately staffed by qualified crossing guards?	
	7.	Are marked crosswalks wide enough?	Y
	8.	Do at-grade railroad crossings accommodate pedestrians safely?	N/A
	9.	Are crosswalks sited along pedestrian desire lines?	Y
	10.	Are corners and curb ramps appropriately planned and designed at each approach to the crossing?	Y
Quality, Conditions, and Obstructions	*Use questions for Streets for potential issues on obstructions*		
	1.	Is the crossing pavement adequate and well maintained?	Y
	2.	Is the crossing pavement flush with the roadway surface?	Y
Continuity and Connectivity	1.	Does pedestrian network connectivity continue through crossings by means of adequate, waiting areas at corners, curb ramps and marked crosswalks?	Y
	2.	Are pedestrians clearly directed to crossing points and pedestrian access ways?	Y
Lighting	1.	Is the pedestrian crossing adequately lit?	Y
Visibility	1.	Can pedestrians see approaching vehicles at all legs of the intersection/crossing and vice versa?	Y
	2.	Is the distance from the stop (or yield) line to a crosswalk sufficient for drivers to see pedestrians?	Y
	3.	Do other conditions exist where stopped vehicles may obstruct visibility of pedestrians?	N
Access Management	1.	Are driveways placed close to crossings?	N
Traffic Characteristics	1.	Do turning vehicles pose a hazard to pedestrians?	N
	2.	Are there sufficient gaps in the traffic to allow pedestrians to cross the road?	Y
	3.	Do traffic operations (especially during peak periods) create a safety concern for pedestrians?	N
Signs and Pavement Markings	1.	Is paint on stop bars and crosswalks worn, or are signs worn, missing, or damaged?	N
	2.	Are crossing points for pedestrians properly signed and/or marked?	Y
Signals	1.	Are pedestrian signal heads provided and adequate?	Y
	2.	Are traffic and pedestrian signals timed so that wait times and crossing times are reasonable?	Y
	3.	Is there a problem because of an inconsistency in pedestrian actuation (or detection) types?	N
	4.	Are all pedestrian signals and push buttons functioning correctly and safely?	Y
	5.	Are ADA accessible push buttons provided and properly located?	Y

***For any Result with "N" or "Other", please add notes below:**

- Actuated Signal.
- Video detection on Atlantic / Loop detection on Elizabeth St. (Minor) (Major)

Elizabeth st & Wilcox Ave

INTERSECTIONS

Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Do wide curb radii lengthen pedestrian crossing distances and encourage high-speed right turns?	N
	2.	Do channelized right turn lanes minimize conflicts with pedestrians?	N/A
	3.	Does a skewed intersection direct drivers' focus away from crossing pedestrians?	N
	4.	Are pedestrian crossings located in areas where sight distance may be a problem?	N
	5.	Do raised medians provide a safe waiting area (refuge) for pedestrians?	N/A
	6.	Are supervised crossings adequately staffed by qualified crossing guards?	N
	7.	Are marked crosswalks wide enough?	Y
	8.	Do at-grade railroad crossings accommodate pedestrians safely?	N/A
	9.	Are crosswalks sited along pedestrian desire lines?	Y
	10.	Are corners and curb ramps appropriately planned and designed at each approach to the crossing?	Y
Quality, Conditions, and Obstructions	*Use questions for Streets for potential issues on obstructions*		
	1.	Is the crossing pavement adequate and well maintained?	N* - Note 1
	2.	Is the crossing pavement flush with the roadway surface?	Y
Continuity and Connectivity	1.	Does pedestrian network connectivity continue through crossings by means of adequate, waiting areas at corners, curb ramps and marked crosswalks?	Y
	2.	Are pedestrians clearly directed to crossing points and pedestrian access ways?	Y
Lighting	1.	Is the pedestrian crossing adequately lit?	Y
Visibility	1.	Can pedestrians see approaching vehicles at all legs of the intersection/crossing and vice versa?	Y
	2.	Is the distance from the stop (or yield) line to a crosswalk sufficient for drivers to see pedestrians?	Y
	3.	Do other conditions exist where stopped vehicles may obstruct visibility of pedestrians?	N
Access Management	1.	Are driveways placed close to crossings?	N
Traffic Characteristics	1.	Do turning vehicles pose a hazard to pedestrians?	N
	2.	Are there sufficient gaps in the traffic to allow pedestrians to cross the road?	Y
	3.	Do traffic operations (especially during peak periods) create a safety concern for pedestrians?	N
Signs and Pavement Markings	1.	Is paint on stop bars and crosswalks worn, or are signs worn, missing, or damaged?	N
	2.	Are crossing points for pedestrians properly signed and/or marked?	Y
Signals	1.	Are pedestrian signal heads provided and adequate?	N/A
	2.	Are traffic and pedestrian signals timed so that wait times and crossing times are reasonable?	N/A
	3.	Is there a problem because of an inconsistency in pedestrian actuation (or detection) types?	N/A
	4.	Are all pedestrian signals and push buttons functioning correctly and safely?	N/A
	5.	Are ADA accessible push buttons provided and properly located?	N/A

***For any Result with "N" or "Other", please add notes below:**

- STOP SIGNS ARE FLASHING RED.

Note 1: CURB RAMP in the SW corner of this intersection needs to be fixed. see pic.

Wilcox Ave & Clara St.

INTERSECTIONS

Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Do wide curb radii lengthen pedestrian crossing distances and encourage high-speed right turns?	N
	2.	Do channelized right turn lanes minimize conflicts with pedestrians?	N/A
	3.	Does a skewed intersection direct drivers' focus away from crossing pedestrians?	N
	4.	Are pedestrian crossings located in areas where sight distance may be a problem?	N
	5.	Do raised medians provide a safe waiting area (refuge) for pedestrians?	N/A
	6.	Are supervised crossings adequately staffed by qualified crossing guards?	N
	7.	Are marked crosswalks wide enough?	Y
	8.	Do at-grade railroad crossings accommodate pedestrians safely?	N/A
	9.	Are crosswalks sited along pedestrian desire lines?	Y
	10.	Are corners and curb ramps appropriately planned and designed at each approach to the crossing?	Y
Quality, Conditions, and Obstructions	*Use questions for Streets for potential issues on obstructions*		
	1.	Is the crossing pavement adequate and well maintained?	Y
	2.	Is the crossing pavement flush with the roadway surface?	Y
Continuity and Connectivity	1.	Does pedestrian network connectivity continue through crossings by means of adequate, waiting areas at corners, curb ramps and marked crosswalks?	Y
	2.	Are pedestrians clearly directed to crossing points and pedestrian access ways?	Y
Lighting	1.	Is the pedestrian crossing adequately lit?	Y
Visibility	1.	Can pedestrians see approaching vehicles at all legs of the intersection/crossing and vice versa?	Y
	2.	Is the distance from the stop (or yield) line to a crosswalk sufficient for drivers to see pedestrians?	Y
	3.	Do other conditions exist where stopped vehicles may obstruct visibility of pedestrians?	N
Access Management	1.	Are driveways placed close to crossings?	N
Traffic Characteristics	1.	Do turning vehicles pose a hazard to pedestrians?	N
	2.	Are there sufficient gaps in the traffic to allow pedestrians to cross the road?	Y
	3.	Do traffic operations (especially during peak periods) create a safety concern for pedestrians?	N
Signs and Pavement Markings	1.	Is paint on stop bars and crosswalks worn, or are signs worn, missing, or damaged?	N
	2.	Are crossing points for pedestrians properly signed and/or marked?	Y
Signals	1.	Are pedestrian signal heads provided and adequate?	Y
	2.	Are traffic and pedestrian signals timed so that wait times and crossing times are reasonable?	Y
	3.	Is there a problem because of an inconsistency in pedestrian actuation (or detection) types?	N
	4.	Are all pedestrian signals and push buttons functioning correctly and safely?	Y
	5.	Are ADA accessible push buttons provided and properly located?	Y

***For any Result with "N" or "Other", please add notes below:**

- Actuated Signal.
- Video detection for all legs.

Clara St & Atlantic Ave

INTERSECTIONS

Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Do wide curb radii lengthen pedestrian crossing distances and encourage high-speed right turns?	N
	2.	Do channelized right turn lanes minimize conflicts with pedestrians?	N/A
	3.	Does a skewed intersection direct drivers' focus away from crossing pedestrians?	N
	4.	Are pedestrian crossings located in areas where sight distance may be a problem?	N
	5.	Do raised medians provide a safe waiting area (refuge) for pedestrians?	N/A
	6.	Are supervised crossings adequately staffed by qualified crossing guards?	N
	7.	Are marked crosswalks wide enough?	Y
	8.	Do at-grade railroad crossings accommodate pedestrians safely?	N/A
	9.	Are crosswalks sited along pedestrian desire lines?	Y
	10.	Are corners and curb ramps appropriately planned and designed at each approach to the crossing?	Y
Quality, Conditions, and Obstructions	*Use questions for Streets for potential issues on obstructions*		
	1.	Is the crossing pavement adequate and well maintained?	N - Note 1
	2.	Is the crossing pavement flush with the roadway surface?	Y
Continuity and Connectivity	1.	Does pedestrian network connectivity continue through crossings by means of adequate, waiting areas at corners, curb ramps and marked crosswalks?	Y
	2.	Are pedestrians clearly directed to crossing points and pedestrian access ways?	Y
Lighting	1.	Is the pedestrian crossing adequately lit?	Y
Visibility	1.	Can pedestrians see approaching vehicles at all legs of the intersection/crossing and vice versa?	Y
	2.	Is the distance from the stop (or yield) line to a crosswalk sufficient for drivers to see pedestrians?	Y
	3.	Do other conditions exist where stopped vehicles may obstruct visibility of pedestrians?	N
Access Management	1.	Are driveways placed close to crossings?	Y
Traffic Characteristics	1.	Do turning vehicles pose a hazard to pedestrians?	N
	2.	Are there sufficient gaps in the traffic to allow pedestrians to cross the road?	Y
	3.	Do traffic operations (especially during peak periods) create a safety concern for pedestrians?	N
Signs and Pavement Markings	1.	Is paint on stop bars and crosswalks worn, or are signs worn, missing, or damaged?	~~N~~ Y - NOTE 2
	2.	Are crossing points for pedestrians properly signed and/or marked?	Y
Signals	1.	Are pedestrian signal heads provided and adequate?	Y
	2.	Are traffic and pedestrian signals timed so that wait times and crossing times are reasonable?	Y
	3.	Is there a problem because of an inconsistency in pedestrian actuation (or detection) types?	N
	4.	Are all pedestrian signals and push buttons functioning correctly and safely?	Y
	5.	Are ADA accessible push buttons provided and properly located?	Y

***For any Result with "N" or "Other", please add notes below:**

NOTE 1: PAVEMENT MILDLY CRACKED (SEE PICTURES)

2: STRIPING EAST LEG IS WORN.

SIGNALIZED INT.

ACTUATED: VIDEO DETECTION ON ATLANTIC & LOOP DETECTION ON CLARA ST.

ELIZABETH ST. BETWEEN ATLANTIC AVE AND WILLOX AVE

STREETS

Topic		Question	Result (Y, N, Other or N/A)
Presence, Design and Placement	1.	Are sidewalks provided along the street?	Y
	2.	If no sidewalk is present, is there a walkable shoulder (e.g. wide enough to accommodate cyclists/pedestrians) on the road or other pathway/trail nearby?	N/A
	3.	Are shoulders/sidewalks provided on both sides?	Y
	4.	Is the sidewalk width adequate for pedestrian volumes?	Y
	5.	Is there adequate separation distance between vehicular traffic and pedestrians?	Y
	6.	Are sidewalk/street boundaries discernable to people with visual impairments?	Y
	7.	Are ramps provided as an alternative to stairs?	Y
Quality, Conditions, and Obstructions	1.	Will snow storage disrupt pedestrian access or visibility?	N/A
	2.	Is the path clear from both temporary and permanent obstructions?	Y
	3.	Is the walking surface too steep?	N
	4.	Is the walking surface adequate and well-maintained?	Y
Continuity and Connectivity	1.	Are sidewalks/walkable shoulders continuous and on both sides of the street?	Y
	2.	Are measures needed to direct pedestrians to safe crossing points and pedestrian access ways?	N - There is XING GUARD.
Lighting	1.	Is the sidewalk adequately lit?	Y
	2.	Does the street lighting improve pedestrian visibility at night?	Y
Visibility	1.	Is the visibility of pedestrians walking along the sidewalk/shoulder adequate?	Y
Driveways	1.	Are the conditions at driveways intersecting sidewalks endangering pedestrians?	N
	2.	Does the number of driveways make the route undesirable for pedestrian travel?	Y
Traffic Characteristics	1.	Are there any conflicts between bicycles and pedestrians on sidewalks?	N - NO OBSERVED BIKES.
Signs and Pavement Markings	1.	Are pedestrian travel zones clearly delineated from other modes of traffic through the use of striping, colored and/or textured pavement, signing, and other methods?	Y

***For any Result with "N" or "Other", please add notes below:**

- XING GUARD IN FRONT SCHOOL.
- FLASHING YELLOW W/ MARKED CROSSWALK IN FRONT SCHOOL.
- 3 MINUTE LOADING / UNLOADING IN FRONT SCHOOL.
- BUS ~~WILL~~ SOMETIMES HAVE TROUBLE PARKING WHEN PARENTS DROP OFF THEIR KID.

Wilbox St.

STREETS

Topic		Question	Result (Y, N, Other or N/A)
Presence, Design and Placement	1.	Are sidewalks provided along the street?	Y
	2.	If no sidewalk is present, is there a walkable shoulder (e.g. wide enough to accommodate cyclists/pedestrians) on the road or other pathway/trail nearby?	N/A
	3.	Are shoulders/sidewalks provided on both sides?	Y
	4.	Is the sidewalk width adequate for pedestrian volumes?	Y
	5.	Is there adequate separation distance between vehicular traffic and pedestrians?	Y
	6.	Are sidewalk/street boundaries discernable to people with visual impairments?	N
	7.	Are ramps provided as an alternative to stairs?	Y
Quality, Conditions, and Obstructions	1.	Will snow storage disrupt pedestrian access or visibility?	N/A
	2.	Is the path clear from both temporary and permanent obstructions?	Y
	3.	Is the walking surface too steep?	N
	4.	Is the walking surface adequate and well-maintained?	N - NOTE 1.
Continuity and Connectivity	1.	Are sidewalks/walkable shoulders continuous and on both sides of the street?	Y
	2.	Are measures needed to direct pedestrians to safe crossing points and pedestrian access ways?	N
Lighting	1.	Is the sidewalk adequately lit?	Y
	2.	Does the street lighting improve pedestrian visibility at night?	Y
Visibility	1.	Is the visibility of pedestrians walking along the sidewalk/shoulder adequate?	Y
Driveways	1.	Are the conditions at driveways intersecting sidewalks endangering pedestrians?	N
	2.	Does the number of driveways make the route undesirable for pedestrian travel?	N
Traffic Characteristics	1.	Are there any conflicts between bicycles and pedestrians on sidewalks?	N. NO BICICLES
Signs and Pavement Markings	1.	Are pedestrian travel zones clearly delineated from other modes of traffic through the use of striping, colored and/or textured pavement, signing, and other methods?	Y

***For any Result with "N" or "Other", please add notes below:**

NOTE
1. PAVEMENT CRACKED BECAUSE OF TREE ROOTS OVERGROWN (SEE PICTURE)

CLARA ST BETWEEN ATLANTIC AVE & WILCOX AVE

STREETS

Topic		Question	Result (Y, N, Other or N/A)
Presence, Design and Placement	1.	Are sidewalks provided along the street?	Y
	2.	If no sidewalk is present, is there a walkable shoulder (e.g. wide enough to accommodate cyclists/pedestrians) on the road or other pathway/trail nearby?	N/A
	3.	Are shoulders/sidewalks provided on both sides?	Y
	4.	Is the sidewalk width adequate for pedestrian volumes?	Y
	5.	Is there adequate separation distance between vehicular traffic and pedestrians?	Y
	6.	Are sidewalk/street boundaries discernable to people with visual impairments?	Y
	7.	Are ramps provided as an alternative to stairs?	Y
Quality, Conditions, and Obstructions	1.	Will snow storage disrupt pedestrian access or visibility?	N/A
	2.	Is the path clear from both temporary and permanent obstructions?	Y
	3.	Is the walking surface too steep?	N
	4.	Is the walking surface adequate and well-maintained?	Y
Continuity and Connectivity	1.	Are sidewalks/walkable shoulders continuous and on both sides of the street?	Y
	2.	Are measures needed to direct pedestrians to safe crossing points and pedestrian access ways?	N - XING GUARD PRESENT
Lighting	1.	Is the sidewalk adequately lit?	Y
	2.	Does the street lighting improve pedestrian visibility at night?	Y
Visibility	1.	Is the visibility of pedestrians walking along the sidewalk/shoulder adequate?	Y
Driveways	1.	Are the conditions at driveways intersecting sidewalks endangering pedestrians?	N
	2.	Does the number of driveways make the route undesirable for pedestrian travel?	N
Traffic Characteristics	1.	Are there any conflicts between bicycles and pedestrians on sidewalks?	N - NO BIKES
Signs and Pavement Markings	1.	Are pedestrian travel zones clearly delineated from other modes of traffic through the use of striping, colored and/or textured pavement, signing, and other methods?	Y

***For any Result with "N" or "Other", please add notes below:**

Atlantic Ave between Clara st and Elizabeth st.

STREETS

Topic		Question	Result (Y, N, Other or N/A)
Presence, Design and Placement	1.	Are sidewalks provided along the street?	Y
	2.	If no sidewalk is present, is there a walkable shoulder (e.g. wide enough to accommodate cyclists/pedestrians) on the road or other pathway/trail nearby?	N/A
	3.	Are shoulders/sidewalks provided on both sides?	Y
	4.	Is the sidewalk width adequate for pedestrian volumes?	Y
	5.	Is there adequate separation distance between vehicular traffic and pedestrians?	Y
	6.	Are sidewalk/street boundaries discernable to people with visual impairments?	N
	7.	Are ramps provided as an alternative to stairs?	Y
Quality, Conditions, and Obstructions	1.	Will snow storage disrupt pedestrian access or visibility?	N/A
	2.	Is the path clear from both temporary and permanent obstructions?	Y
	3.	Is the walking surface too steep?	N
	4.	Is the walking surface adequate and well-maintained?	Y
Continuity and Connectivity	1.	Are sidewalks/walkable shoulders continuous and on both sides of the street?	Y
	2.	Are measures needed to direct pedestrians to safe crossing points and pedestrian access ways?	N
Lighting	1.	Is the sidewalk adequately lit?	Y
	2.	Does the street lighting improve pedestrian visibility at night?	Y
Visibility	1.	Is the visibility of pedestrians walking along the sidewalk/shoulder adequate?	Y
Driveways	1.	Are the conditions at driveways intersecting sidewalks endangering pedestrians?	N
	2.	Does the number of driveways make the route undesirable for pedestrian travel?	N
Traffic Characteristics	1.	Are there any conflicts between bicycles and pedestrians on sidewalks?	N. No BIKE.
Signs and Pavement Markings	1.	Are pedestrian travel zones clearly delineated from other modes of traffic through the use of striping, colored and/or textured pavement, signing, and other methods?	Y

***For any Result with "N" or "Other", please add notes below:**

SW PARKING ON ELIZABETH ST. NEAR

PARKING AREAS/ADJACENT DEVELOPMENTS

Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Do sidewalks/paths connect the street and adjacent land uses?	Y
	2.	Are the sidewalks/paths designed appropriately?	Y
	3.	Are buildings entrances located and designed to be obvious and easily accessible to pedestrians?	Y
Quality, Conditions, and Obstructions	*Use questions for Streets for potential issues on obstructions and protruding objects that apply to sidewalks and walkways at parking areas/adjacent developments*		
	Use questions for Streets for potential issues on surface conditions that apply to sidewalks and walkways at parking areas/adjacent developments		
	1.	Do parked vehicles obstruct pedestrian paths?	N
Continuity and Connectivity	1.	Are pedestrian facilities continuous? Do they provide adequate connections for pedestrian traffic?	Y
	2.	Are transitions of pedestrian facilities between developments/projects adequate?	Y
Lighting	*Use questions for Streets and Street Crossings for potential issues on lighting that apply to sidewalks and walkways at parking areas/adjacent developments*		
Visibility	1.	Are visibility and sight distance adequate?	Y
Access Management	1.	Are travel paths for pedestrians and other vehicle modes clearly delineated at access openings?	Y
	2.	Do drivers look for and yield to pedestrian when turning into and out of driveways?	Y
Traffic Characteristics	1.	Does pedestrian or driver behavior increase the risk of a pedestrian collision?	N
	2.	Are buses, cars, bicycles, and pedestrians separated on the site and provided with their own designated areas for travel?	Y
Signs and Pavement Markings	1.	Are travel paths and crossing points for pedestrians properly signed and/or marked?	N

***For any Result with "N" or "Other", please add notes below:**

- NOTE:
  - CONSIST OF THREE PARKING LOTS.
    - ONE COVERED = 104 MARKED + 1 VAN ADA + 4 REG = 109 SPACES.
    - ONE GATED FOR CAFETERIA = 8 MARKED + 1 VAN = 9 SPACES.
    - ONE OPEN (NEED PERMIT) = 13 MARKED + 1 ADA = 14 SPACES.

NE PARKING NEAR CLARA ST.

PARKING AREAS/ADJACENT DEVELOPMENTS

Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Do sidewalks/paths connect the street and adjacent land uses?	Y
	2.	Are the sidewalks/paths designed appropriately?	Y
	3.	Are buildings entrances located and designed to be obvious and easily accessible to pedestrians?	Y
Quality, Conditions, and Obstructions	*Use questions for Streets for potential issues on obstructions and protruding objects that apply to sidewalks and walkways at parking areas/adjacent developments*		
	Use questions for Streets for potential issues on surface conditions that apply to sidewalks and walkways at parking areas/adjacent developments		
	1.	Do parked vehicles obstruct pedestrian paths?	N
Continuity and Connectivity	1.	Are pedestrian facilities continuous? Do they provide adequate connections for pedestrian traffic?	Y
	2.	Are transitions of pedestrian facilities between developments/projects adequate?	Y
Lighting	*Use questions for Streets and Street Crossings for potential issues on lighting that apply to sidewalks and walkways at parking areas/adjacent developments*		
Visibility	1.	Are visibility and sight distance adequate?	Y
Access Management	1.	Are travel paths for pedestrians and other vehicle modes clearly delineated at access openings?	Y
	2.	Do drivers look for and yield to pedestrian when turning into and out of driveways?	Y
Traffic Characteristics	1.	Does pedestrian or driver behavior increase the risk of a pedestrian collision?	N
	2.	Are buses, cars, bicycles, and pedestrians separated on the site and provided with their own designated areas for travel?	N
Signs and Pavement Markings	1.	Are travel paths and crossing points for pedestrians properly signed and/or marked?	Y

***For any Result with "N" or "Other", please add notes below:**

- FOR FACULTY PARKING ONLY.

BUS ON ~~SW~~ SW CORNER OF ATLANTIC AVE / ELIZABETH ST.

TRANSIT AREAS

Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Are bus stops sited properly?	Y
	2.	Are safe pedestrian crossings convenient for transit and school bus users?	Y
	3.	Is sight distance to bus stops adequate?	Y
	4.	Are shelters appropriately designed and placed for pedestrian safety and convenience?	Y
Quality, Conditions, and Obstructions	1.	Is the seating area at a safe and comfortable distance from vehicle and bicycle lanes?	Y
	2.	Do seats (or persons sitting on them) obstruct the sidewalk or reduce its usable width?	N
	3.	Is a sufficient landing area provided to accommodate waiting passengers, boarding/alighting passengers, and through/bypassing pedestrian traffic at peak times?	Y
	4.	Is the landing area paved and free of problems such as uneven surfaces, standing water, or steep slopes?	Y
	5.	Is the sidewalk free of temporary/permanent obstructions that constrict its width or block access to the bus stop?	Y
Continuity and Connectivity	1.	Is the nearest crossing opportunity free of potential hazards for pedestrians?	Y
	2.	Are transit stops part of a continuous network of pedestrian facilities?	Y
	3.	Are transit stops maintained during periods of inclement weather?	Y
Lighting	1.	Are access ways to transit facilities well-lit to accommodate early-morning, late-afternoon, and evening pedestrian traffic?	Y
Visibility	1.	Are open sight lines maintained between approaching buses and passenger waiting and loading areas?	Y
Traffic Characteristics	1.	Do pedestrians entering and leaving buses conflict with cars, bicycles, or other pedestrians?	N
Signs and Pavement Markings	1.	Are appropriate signs and pavement markings provided for school bus and transit stops?	Y

***For any Result with "N" or "Other", please add notes below:**

BUS STOP ON NE OF Atlantic Ave / Elizabeth St.

TRANSIT AREAS

Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Are bus stops sited properly?	Y
	2.	Are safe pedestrian crossings convenient for transit and school bus users?	Y
	3.	Is sight distance to bus stops adequate?	Y
	4.	Are shelters appropriately designed and placed for pedestrian safety and convenience?	Y
Quality, Conditions, and Obstructions	1.	Is the seating area at a safe and comfortable distance from vehicle and bicycle lanes?	Y
	2.	Do seats (or persons sitting on them) obstruct the sidewalk or reduce its usable width?	N
	3.	Is a sufficient landing area provided to accommodate waiting passengers, boarding/alighting passengers, and through/bypassing pedestrian traffic at peak times?	Y
	4.	Is the landing area paved and free of problems such as uneven surfaces, standing water, or steep slopes?	Y
	5.	Is the sidewalk free of temporary/permanent obstructions that constrict its width or block access to the bus stop?	Y
Continuity and Connectivity	1.	Is the nearest crossing opportunity free of potential hazards for pedestrians?	Y
	2.	Are transit stops part of a continuous network of pedestrian facilities?	Y
	3.	Are transit stops maintained during periods of inclement weather?	Y
Lighting	1.	Are access ways to transit facilities well-lit to accommodate early-morning, late-afternoon, and evening pedestrian traffic?	Y
Visibility	1.	Are open sight lines maintained between approaching buses and passenger waiting and loading areas?	Y
Traffic Characteristics	1.	Do pedestrians entering and leaving buses conflict with cars, bicycles, or other pedestrians?	N
Signs and Pavement Markings	1.	Are appropriate signs and pavement markings provided for school bus and transit stops?	Y

***For any Result with "N" or "Other", please add notes below:**

BUS STOP METRO 611 ON WILCOX AVENUE (FOR BOTH SB AND NB ROUTES)

TRANSIT AREAS

Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Are bus stops sited properly?	Y
	2.	Are safe pedestrian crossings convenient for transit and school bus users?	Y
	3.	Is sight distance to bus stops adequate?	Y
	4.	Are shelters appropriately designed and placed for pedestrian safety and convenience?	N/A → NO SHELTERS
Quality, Conditions, and Obstructions	1.	Is the seating area at a safe and comfortable distance from vehicle and bicycle lanes?	N/A
	2.	Do seats (or persons sitting on them) obstruct the sidewalk or reduce its usable width?	N/A
	3.	Is a sufficient landing area provided to accommodate waiting passengers, boarding/alighting passengers, and through/bypassing pedestrian traffic at peak times?	Y
	4.	Is the landing area paved and free of problems such as uneven surfaces, standing water, or steep slopes?	Y
	5.	Is the sidewalk free of temporary/permanent obstructions that constrict its width or block access to the bus stop?	Y
Continuity and Connectivity	1.	Is the nearest crossing opportunity free of potential hazards for pedestrians?	Y
	2.	Are transit stops part of a continuous network of pedestrian facilities?	Y
	3.	Are transit stops maintained during periods of inclement weather?	Y
Lighting	1.	Are access ways to transit facilities well-lit to accommodate early-morning, late-afternoon, and evening pedestrian traffic?	N - NOT FOR NB ROUTE
Visibility	1.	Are open sight lines maintained between approaching buses and passenger waiting and loading areas?	Y
Traffic Characteristics	1.	Do pedestrians entering and leaving buses conflict with cars, bicycles, or other pedestrians?	N
Signs and Pavement Markings	1.	Are appropriate signs and pavement markings provided for school bus and transit stops?	Y

***For any Result with "N" or "Other", please add notes below:**

BUS STOP METRO 611 ON WILCOX AND CLARA ST (FOR BOTH NB & SB ROUTES)

TRANSIT AREAS

Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Are bus stops sited properly?	Y
	2.	Are safe pedestrian crossings convenient for transit and school bus users?	Y
	3.	Is sight distance to bus stops adequate?	Y
	4.	Are shelters appropriately designed and placed for pedestrian safety and convenience?	N/A
Quality, Conditions, and Obstructions	1.	Is the seating area at a safe and comfortable distance from vehicle and bicycle lanes?	N/A
	2.	Do seats (or persons sitting on them) obstruct the sidewalk or reduce its usable width?	N/A
	3.	Is a sufficient landing area provided to accommodate waiting passengers, boarding/alighting passengers, and through/bypassing pedestrian traffic at peak times?	Y
	4.	Is the landing area paved and free of problems such as uneven surfaces, standing water, or steep slopes?	Y
	5.	Is the sidewalk free of temporary/permanent obstructions that constrict its width or block access to the bus stop?	Y
Continuity and Connectivity	1.	Is the nearest crossing opportunity free of potential hazards for pedestrians?	Y
	2.	Are transit stops part of a continuous network of pedestrian facilities?	Y
	3.	Are transit stops maintained during periods of inclement weather?	Y
Lighting	1.	Are access ways to transit facilities well-lit to accommodate early-morning, late-afternoon, and evening pedestrian traffic?	Y
Visibility	1.	Are open sight lines maintained between approaching buses and passenger waiting and loading areas?	Y
Traffic Characteristics	1.	Do pedestrians entering and leaving buses conflict with cars, bicycles, or other pedestrians?	N
Signs and Pavement Markings	1.	Are appropriate signs and pavement markings provided for school bus and transit stops?	Y

***For any Result with "N" or "Other", please add notes below:**

BUS STOP ON ATLANTIC AVE/CLARA ST (FOR BOTH NB & SB ROUTES)

TRANSIT AREAS

Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Are bus stops sited properly?	Y
	2.	Are safe pedestrian crossings convenient for transit and school bus users?	Y
	3.	Is sight distance to bus stops adequate?	Y
	4.	Are shelters appropriately designed and placed for pedestrian safety and convenience?	Y
Quality, Conditions, and Obstructions	1.	Is the seating area at a safe and comfortable distance from vehicle and bicycle lanes?	Y
	2.	Do seats (or persons sitting on them) obstruct the sidewalk or reduce its usable width?	N
	3.	Is a sufficient landing area provided to accommodate waiting passengers, boarding/alighting passengers, and through/bypassing pedestrian traffic at peak times?	Y
	4.	Is the landing area paved and free of problems such as uneven surfaces, standing water, or steep slopes?	Y
	5.	Is the sidewalk free of temporary/permanent obstructions that constrict its width or block access to the bus stop?	Y
Continuity and Connectivity	1.	Is the nearest crossing opportunity free of potential hazards for pedestrians?	Y
	2.	Are transit stops part of a continuous network of pedestrian facilities?	Y
	3.	Are transit stops maintained during periods of inclement weather?	Y
Lighting	1.	Are access ways to transit facilities well-lit to accommodate early-morning, late-afternoon, and evening pedestrian traffic?	Y
Visibility	1.	Are open sight lines maintained between approaching buses and passenger waiting and loading areas?	Y
Traffic Characteristics	1.	Do pedestrians entering and leaving buses conflict with cars, bicycles, or other pedestrians?	N
Signs and Pavement Markings	1.	Are appropriate signs and pavement markings provided for school bus and transit stops?	Y

***For any Result with "N" or "Other", please add notes below:**

APPENDIX C

Selected Photos



No parking sign on the south side of Elizabeth Street is obscured by overgrown trees.





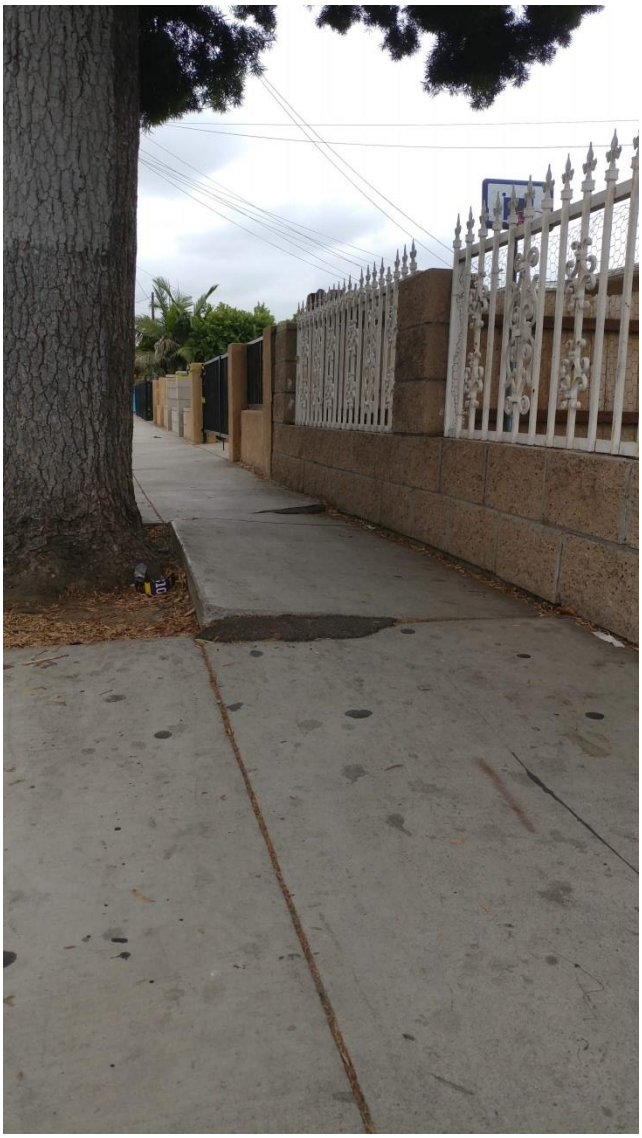
Crossing pavement markings are worn and cracked on the intersection of Clara Street and Atlantic Avenue.



Vehicles make illegal U-turns on Elizabeth Street.



Parked/stopped vehicles in No Stopping zone on Clara Street.

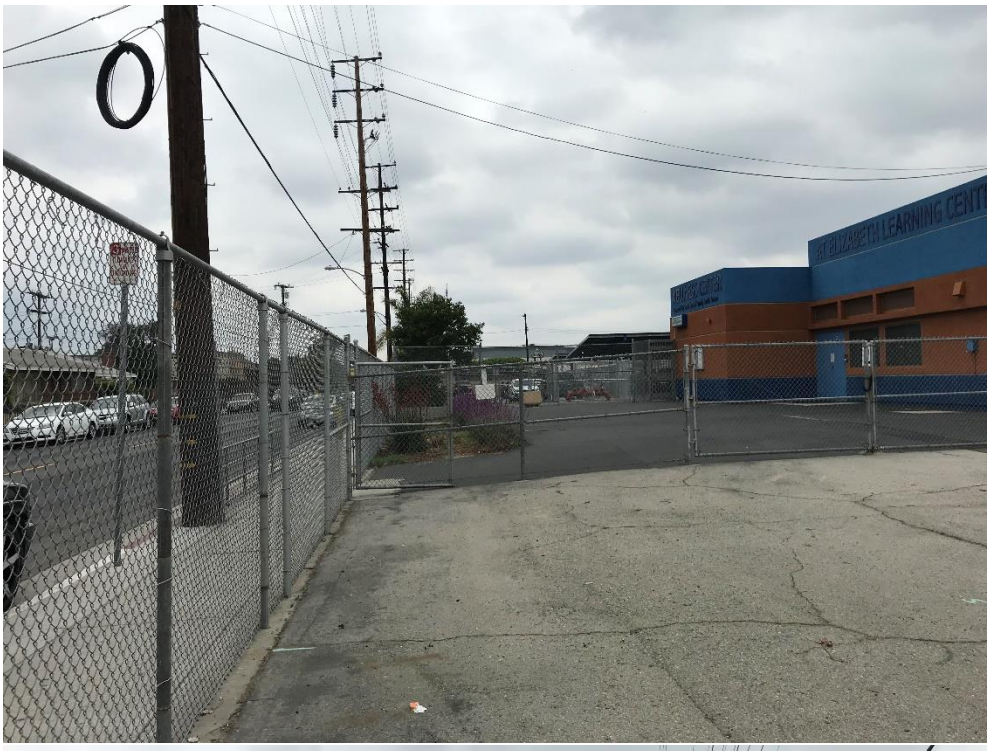


Uneven pavement due to tree roots.





Although not under the direct control of LAUSD, control boxes strapped to the pole underneath RRFB signs, are mounted over the sidewalk with low vertical clearance, and therefore may pose an obstruction.





Setback between Elizabeth Street and cafeteria/auditorium building and wellness center building may provide opportunity for pick-up/drop-off area.

APPENDIX D

Additional Information

CUDAHY

SAFE ROUTES TO SCHOOL

PLAN



JANUARY 2015

- Atlantic Avenue and Elizabeth Street
- Atlantic Avenue and Santa Ana Street
- Atlantic Avenue and Cecilia Street
- Atlantic Avenue and Patata Street

HSIP projects are noted in this Plan's recommendations.

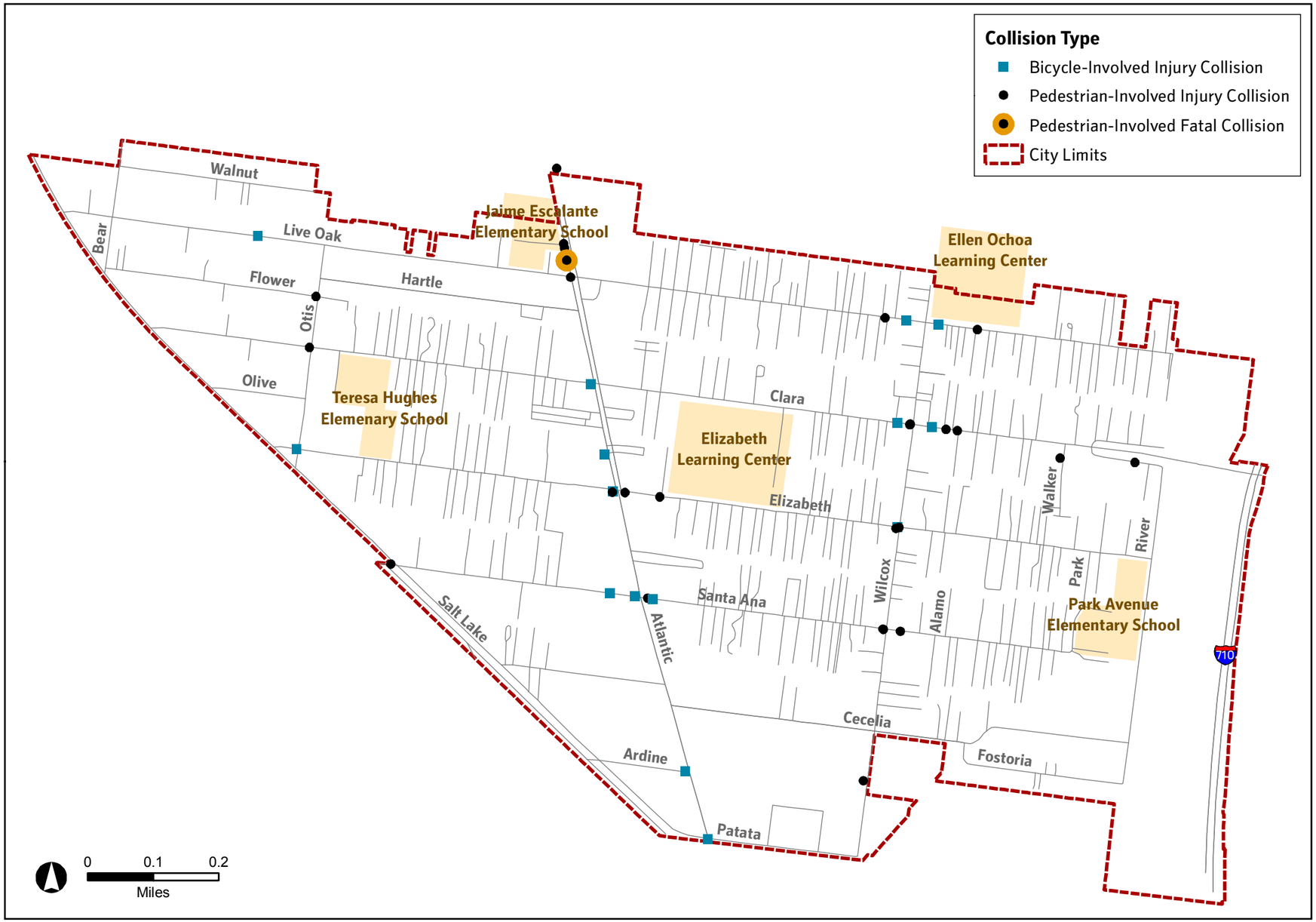
Crash History

This analysis of pedestrian and bicyclist-involved collisions in Cudahy aims to determine the number and severity of recent crashes and crash locations. The analysis looks for spatial cluster and patterns of injuries and fatalities.

The following map shows pedestrian and bicycle-involved crashes in Cudahy for the most recent five-year period (2008–2012) that data are available through the California Transportation Injury Mapping System (TIMS). The data show 38 pedestrian collisions and 18 bicycle collisions. Among these collisions, one pedestrian collision was fatal.

The crashes are heavily concentrated along Atlantic Avenue and the collector streets. The intersection of Clara Street and Wilcox Avenue had the greatest number (8), followed by Atlantic Avenue and Santa Ana Street (5), Atlantic Boulevard and Live Oak Street (4) and Atlantic Avenue and Elizabeth Street (4). Atlantic Avenue is one of the major thoroughfares of the South East Los Angeles region, and is heavily trafficked by neighboring city motor vehicles as well as large trucks moving goods. Because Atlantic Avenue is such a busy street, and is the location of so many collisions, the citywide Safe Routes to School plan has closely analyzed the street to recommend specific pedestrian and bicyclist safety enhancements.

Pedestrian right-of-way violations (13), pedestrian violations (11), automobile right-of-way violations (7), and improper turning (7) comprised the largest numbers of Primary Collision Factors (PCFs).



Map 1. Bicycle & Pedestrian Collisions (Jan. 1, 2008 to Dec. 31, 2012)

Bicycle and Pedestrian Collisions (Jan. 1, 2008 to Dec. 31, 2012)

City of Cudahy

Source of Data: University of California Transportation Injury Mapping System

Table 3 below displays the TIMS numbers and severity of bicycle and pedestrian-involved collisions during the 2008 to 2012 time period by school. TIMS has no data for Jaime Escalante Elementary School. The definitions of the crash severity columns follow.

Fatal—death within 30 days resulting from the collision.
Severe injury—includes broken bones, dislocated limbs, severe lacerations, severe burns, unconsciousness, or other injuries that go beyond those that are visible.
Visible injuries—bruises, discoloration, swelling, minor lacerations, or minor burns.
Complaint of pain—internal, non-visible injuries, confusion, limping, nausea, awakened from unconsciousness.

Table 3: Bicycle and Pedestrian-Involved Collisions Within ½ Mile of Each School (2008–2012) (TIMS)

School	Fatal	Severe Injury	Visible Injury	Complaint of Pain	Pedestrian	Bicycle	Total
Elizabeth Learning Center	1	7	15	28	32	19	51
Ellen Ochoa Learning Center	0	6	10	27	26	17	43
Jamie Escalante Elementary School	1	1	4	6	8	4	12
Park Avenue Elementary School	0	5	6	11	16	6	22
Teresa Hughes Elementary School	1	4	19	27	27	24	51

In addition to the data referenced above, the Los Angeles County Sheriff's Department provided the City with more recent traffic collision data from January 1, 2013, to March 30, 2014. The sheriff's department found 43 incidents with 43 injuries and 0 fatalities. Out of the 43 incidents, less than 1% directly involved pedestrians and bicyclists.

Evaluation

Staff administered baseline surveys at each school to understand existing school commute patterns. As the Plan's programs unfold, new surveys should show increases in the number of students walking and bicycling to school, as well as attitudinal changes toward walking and bicycling. Since engineering improvements (physical modifications made to streets and intersections) will be made several years into the future, initial improvements will result from the programs alone. Further increases can be expected once the physical improvements are made. The tables and figures below show results of the first baseline tally conducted in classrooms on Wednesday, April 2, 2014. Students identified the way they commute to school by all the modes that are commonly used in both the morning and the afternoon. "Other" may include skateboards, scooters, or taxis.

Table 4: Baseline Commute to School Tally—4/2/14 Morning Commute

School	Walk		Bicycle		Bus		Family Vehicle		Carpool		Transit		Other	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Elizabeth Learning Center	265	59%	2	<1%	0	0%	159	36%	14	3%	3	<1%	3	<1%
Ellen Ochoa Learning Center	187	51%	3	<1%	2	<1%	166	45%	7	2%	1	<1%	4	<1%
Jaime Escalante Elementary School	107	41%	1	<1%	0	0%	132	51%	16	6%	2	<1%	3	1%
Park Avenue Elementary School	106	44%	0	0%	8	3%	116	49%	4	2%	3	1%	2	<1%
Teresa Hughes Elementary School*	175	50%	2	<1%	22	6%	133	38%	8	2%	4	1%	7	2%
TOTAL	840	50%	8	<1%	32	2%	706	42%	49	3%	13	<1%	19	1%

*Data for Teresa Hughes Elementary School is based on the average of a 3-day counting effort.

Figure 1: Baseline Commute to School Tally by Percentage—4/2/14 Morning Commute

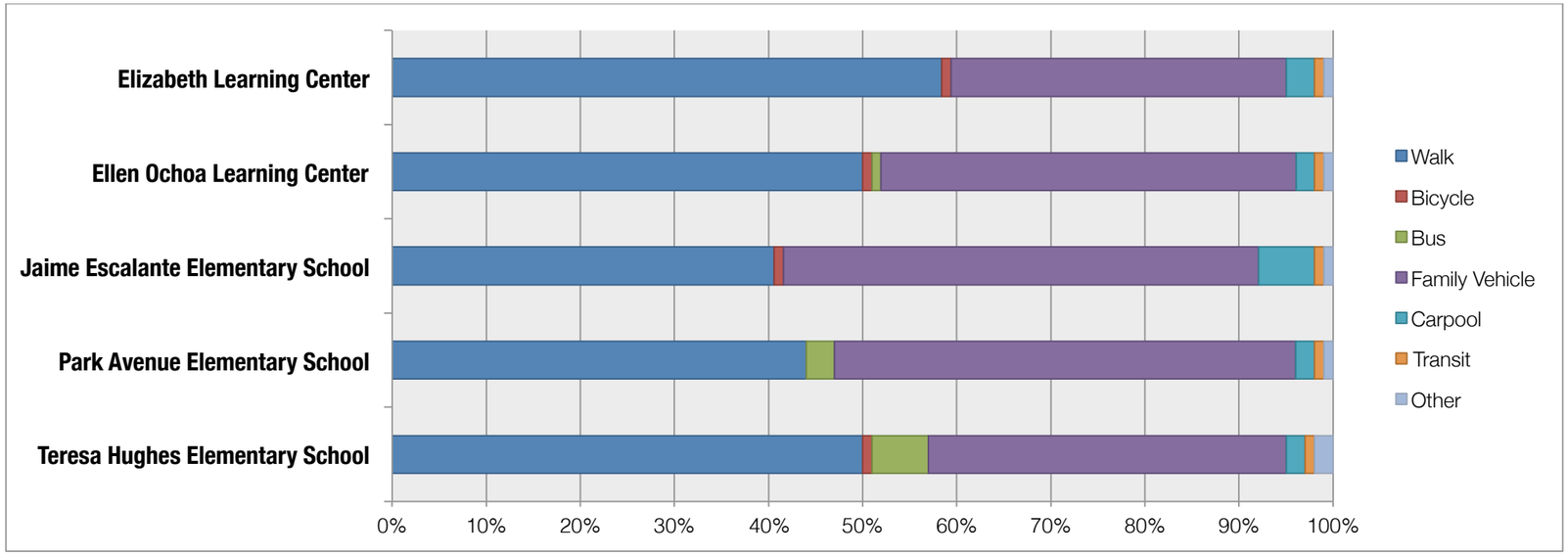


Table 5: Baseline Commute to School Tally—4/2/14 Afternoon Commute

School	Walk		Bicycle		Bus		Family Vehicle		Carpool		Transit		Other	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Elizabeth Learning Center	257	60%	2	<1%	4	<1%	140	33%	15	4%	3	<1%	5	1%
Ellen Ochoa Learning Center	217	59%	3	<1%	0	0%	132	36%	13	4%	0	0%	4	1%
Jaime Escalante Elementary School	111	46%	0	0%	0	0%	123	51%	2	<1%	2	<1%	3	1%
Park Avenue Elementary School	119	56%	0	0%	1	<1%	90	42%	2	<1%	2	<1%	0	0%
Teresa Hughes Elementary School*	174	52%	0	0%	21	6%	128	38%	6	2%	2	<1%	4	1%
TOTAL	878	55%	5	<1%	26	1%	613	39%	38	2%	9	<1%	16	1%

*Data for Teresa Hughes Elementary School is based on the average of a three-day counting effort.

Figure 2: Baseline Commute to School Tally by Percentage—4/2/14 Afternoon Commute

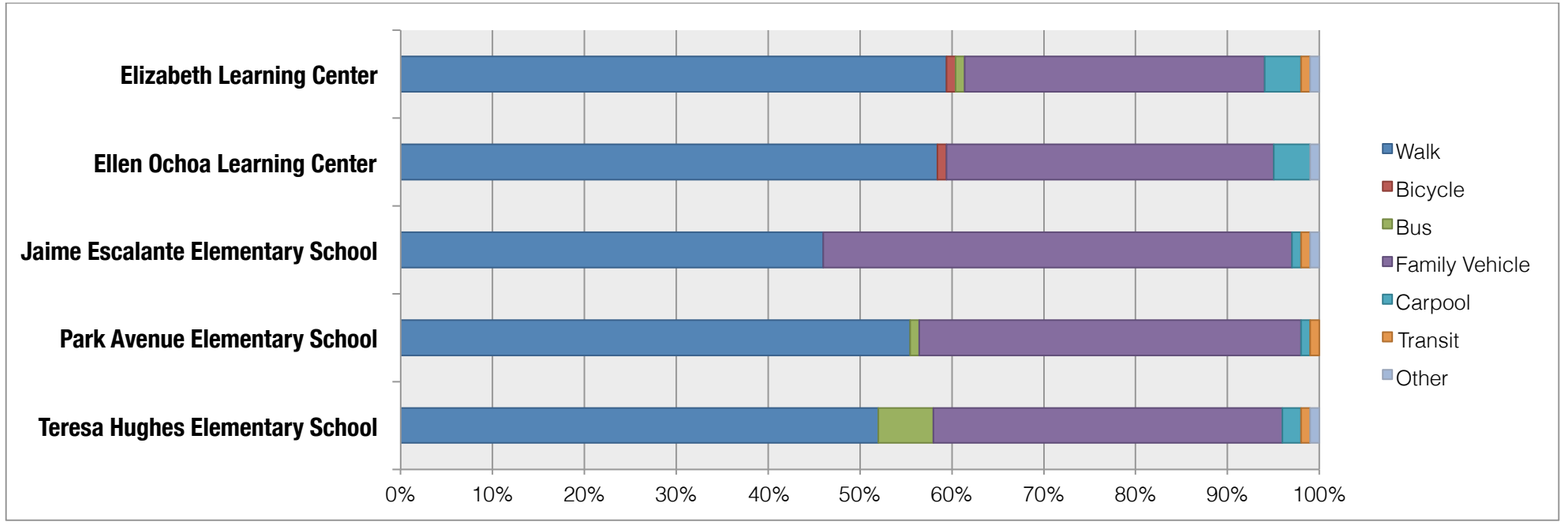


Table 6: Parent Surveys—How Far Does Your Child Live From School?

	Elizabeth Learning Center	Ellen Ochoa Learning Center	Jaime Escalante Elementary School	Park Avenue Elementary School	Teresa Hughes Elementary School
Less than ¼ mile	56%	54%	51%	61%	57%
¼ mile up to ½ mile	17%	19%	21%	20%	18%
½ mile up to 1 mile	10%	11%	14%	3%	12%
1 mile up to 2 miles	6%	4%	7%	3%	5%
More than 2 miles	1%	3%	1%	4%	3%
Don't know	10%	9%	6%	9%	6%

Table 7: Parent Surveys—Has Your Child Asked You Permission to Walk or Bike to/from School in the Last Year?

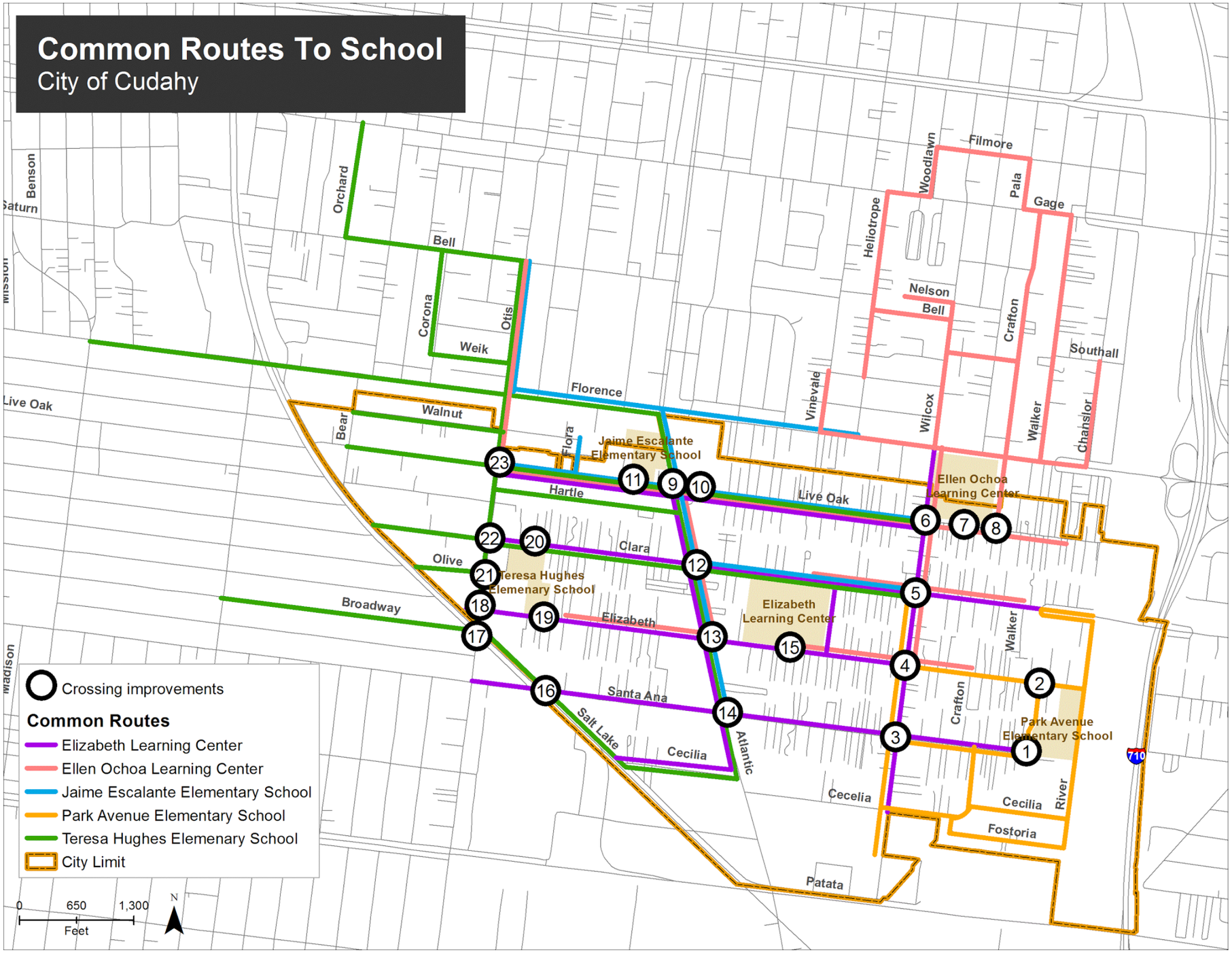
	Elizabeth Learning Center	Ellen Ochoa Learning Center	Jaime Escalante Elementary School	Park Avenue Elementary School	Teresa Hughes Elementary School
Yes	32%	30%	30%	31%	27%
No	68%	70%	70%	69%	73%

Table 8: Parent Surveys—What of the Following Issues Affect Your Decision to Allow Your Child to Walk or Bike to/from School?

	Elizabeth Learning Center	Ellen Ochoa Learning Center	Jaime Escalante Elementary School	Park Avenue Elementary School	Teresa Hughes Elementary School
Distance	11%	16%	18%	17%	17%
Convenience of driving	5%	4%	7%	8%	5%
Child's before or after-school activities	5%	4%	4%	4%	5%
Time	7%	9%	10%	13%	8%
Speed of traffic along route	13%	30%	26%	18%	22%
Adults to walk or bike with	10%	9%	16%	12%	11%
Amount of traffic along route	16%	32%	27%	23%	23%
Crossing guards	9%	19%	10%	20%	11%
Safety of intersections and crossings	22%	32%	27%	32%	28%
Weather or climate	13%	17%	24%	21%	19%
Sidewalks or pathways	8%	7%	8%	7%	10%
Violence or crime	25%	26%	25%	29%	28%

Table 9: Parent Surveys—On Most Days, How Does Your Child Arrive to School?

	Elizabeth Learning Center	Ellen Ochoa Learning Center	Jaime Escalante Elementary School	Park Avenue Elementary School	Teresa Hughes Elementary School
Bike	0%	1%	0%	0%	0%
Carpool	4%	1%	1%	2%	1%
Family Vehicle	29%	40%	45%	30%	33%
School Bus	0% (1 person)	0% (1 person)	2%	5%	1%
Skateboard	0% (1 person)	0% (1 person)	0%	0%	0%
Transit	0% (1 person)	0% (1 person)	0%	1%	1%
Walk	66%	58%	52%	62%	65%



Map 2. Common Routes to School

4. Wilcox Ave. & Elizabeth St.

Existing

- 4-way stop
- Yellow ladder crosswalks on the north and south crossings
- Advance stop lines (3’ in advance) on the north and south crossings

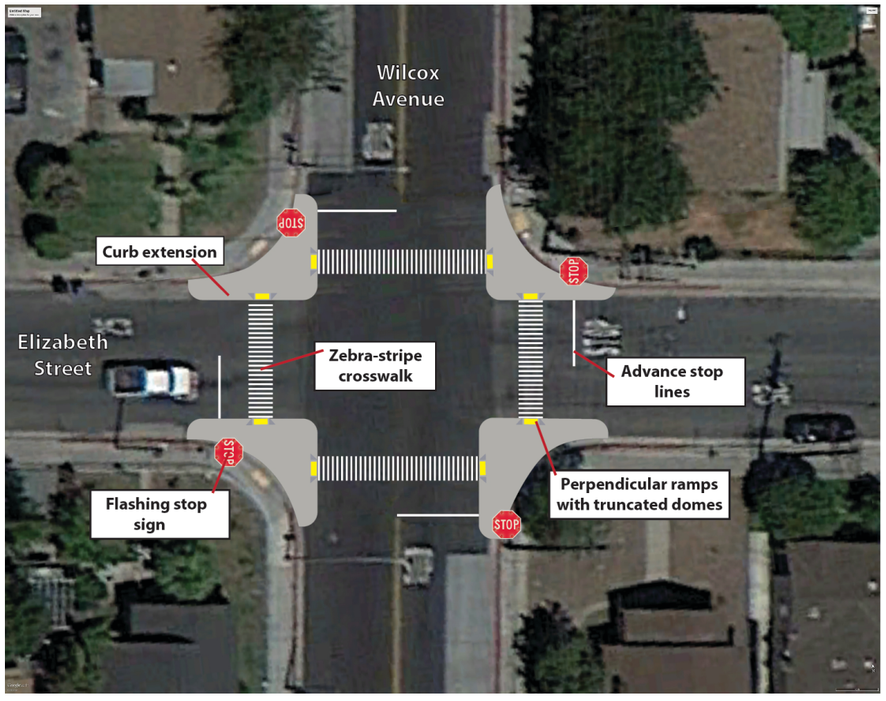
Proposed Option 1

- Add white zebra-stripe crosswalks to all crossings (4) (*ATP 2014)*
- Add advance stop lines (6’ in advance) to all crossings (4) (*ATP 2014)*
- Add curb extensions to both sides of all crossings (8)
- Replace all stop signs with flashing stop signs (4) (*ATP 2014)*

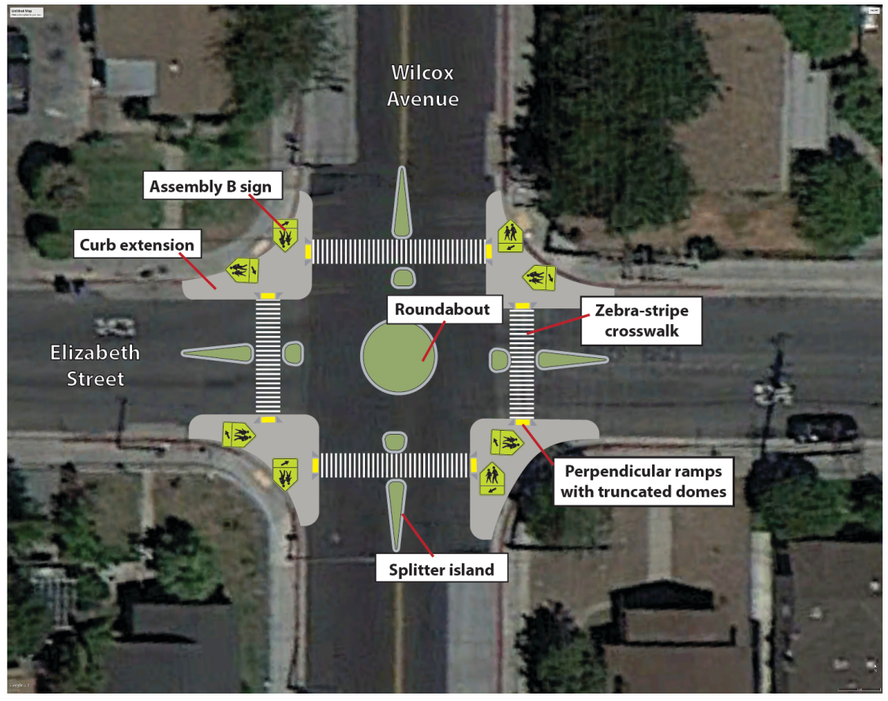
Proposed Option 2

- Add a roundabout (including splitter islands, markings, and signs)
- Add Assembly B signs at all crossings (4)
- Add curb extensions to create deflection on all crossings (4)
- Remove existing signs and markings (4)

Option 1



Option 2



5. Wilcox Ave. & Clara St.

Existing

- Signalized intersection
- Yellow ladder crosswalks on all crossings
- Advance stop lines (3' in advance) on all crossings
- Right-turn lanes northbound on Wilcox Ave. and westbound on Clara St.
- Bus stops on SE and SW corners on Wilcox Ave.

Proposed Option 1

- Replace signals with a roundabout (including splitter islands, markings, and signs *(ATP 2014 funded crosswalks)*
- Add Assembly B signs at all crossings (4)
- Add curb extensions to create deflection on all crossings; smaller ones where bus stops exist (4)
- Remove pavement markings (4)

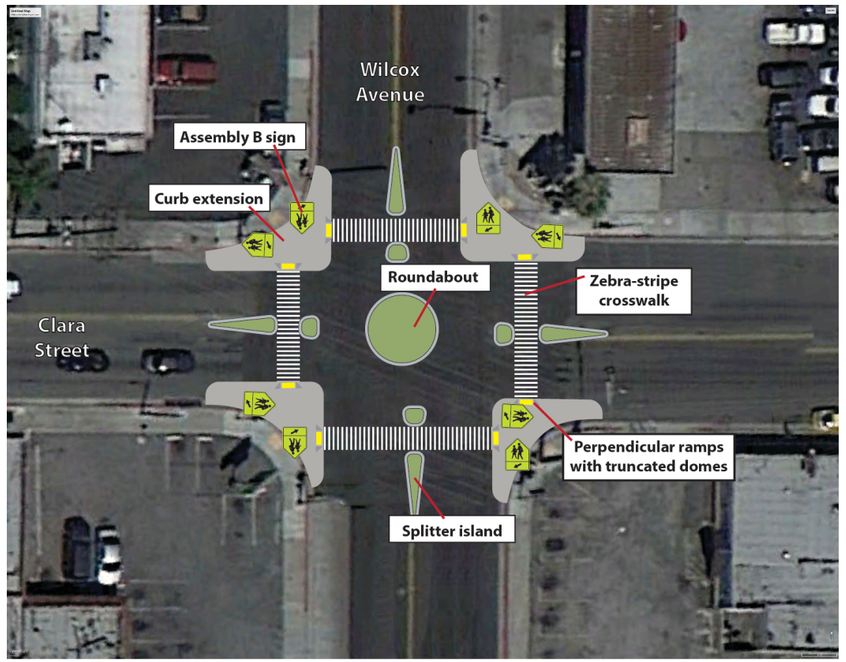
Proposed Option 2

- Add white zebra-stripe crosswalks to all crossings (4) *(ATP 2014)*
- Add advance stop lines (6' in advance) to all crossings (4)
- Add curb extensions to both sides of north, east, and west crossings (6)
- Remove right-turn lanes with a curb extension on the east crossing and a bus bulb on the south crossing (2)
- Add bus bulbs to the south crossing (2)
- Add countdown signals to all crossings (8)
- Add a Leading Pedestrian Interval (4) *(ATP 2014)*

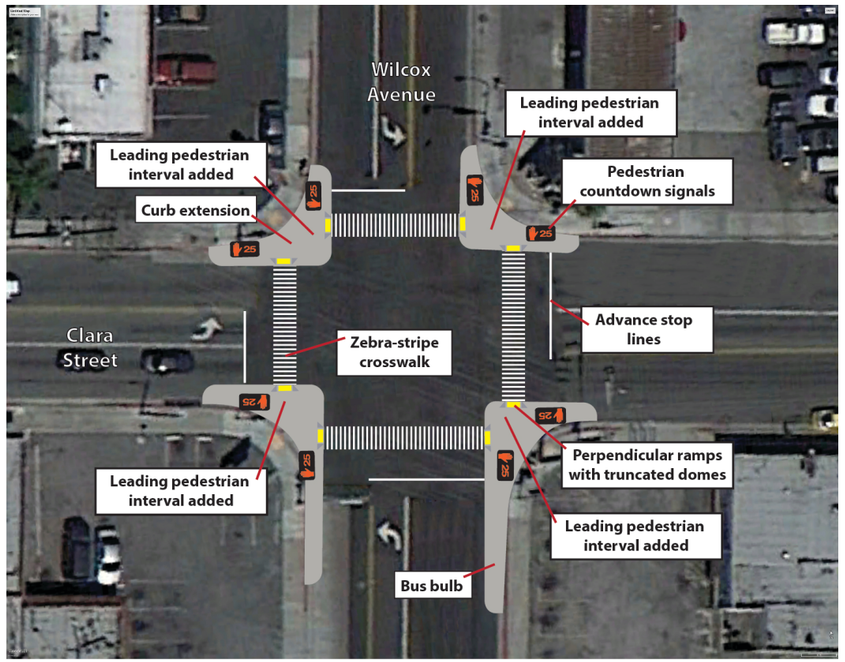
Proposed Option 3

- Add white zebra-stripe crosswalks to all crossings (4) *(ATP 2014)*
- Add advance stop lines (6' in advance) to all crossings (4) *(ATP 2014)*
- Add curb extensions to the north, east, and west crossings (6)
- Reduce the curb returns on the south crossing (2)
- Add countdown signals to all crossings (8)
- Add islands to separate the northbound right-turn lane on Wilcox Ave. from the travel lanes (1 pair)
- Add a Leading Pedestrian Interval (4) *(ATP 2014)*

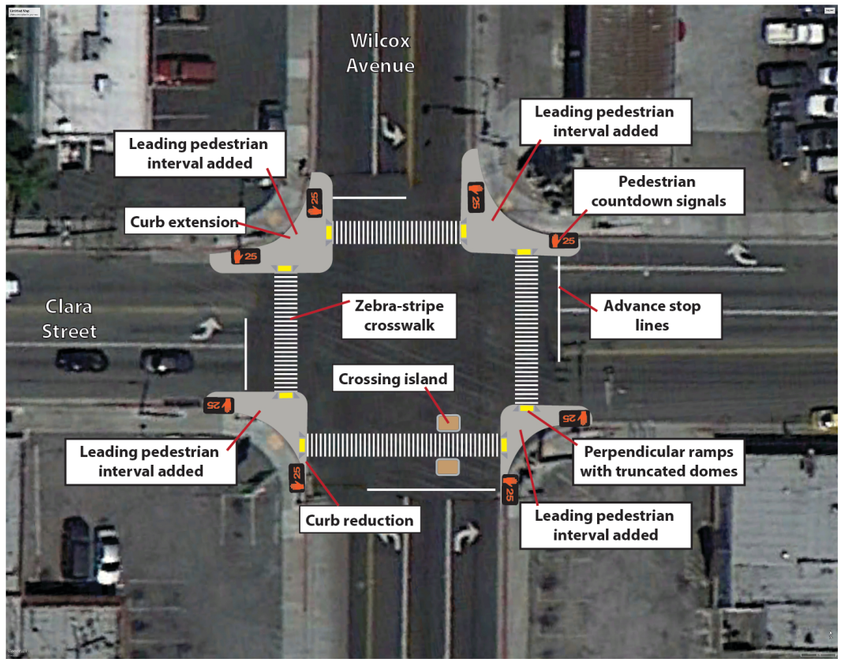
Option 1

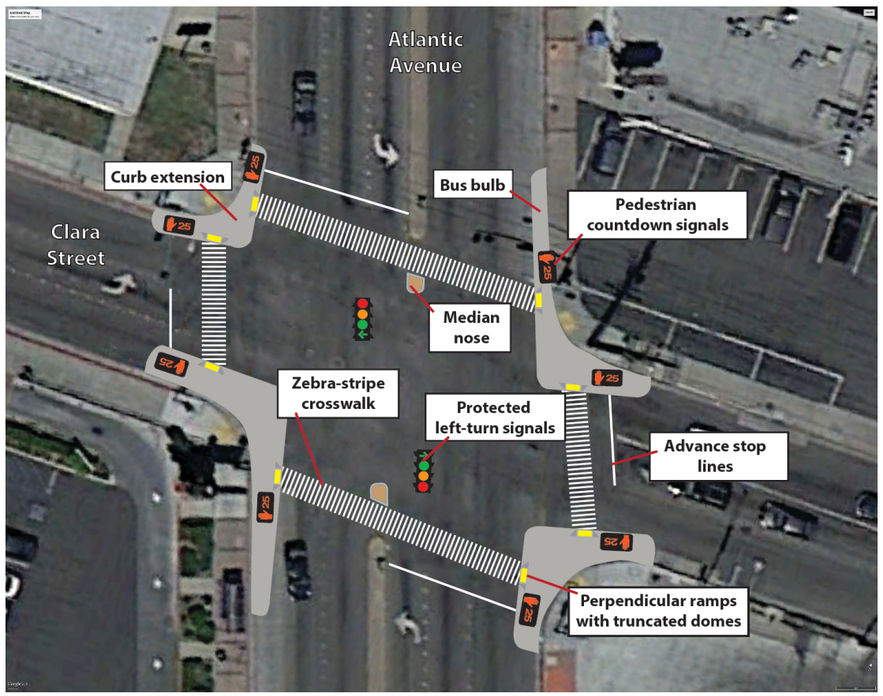


Option 2



Option 3





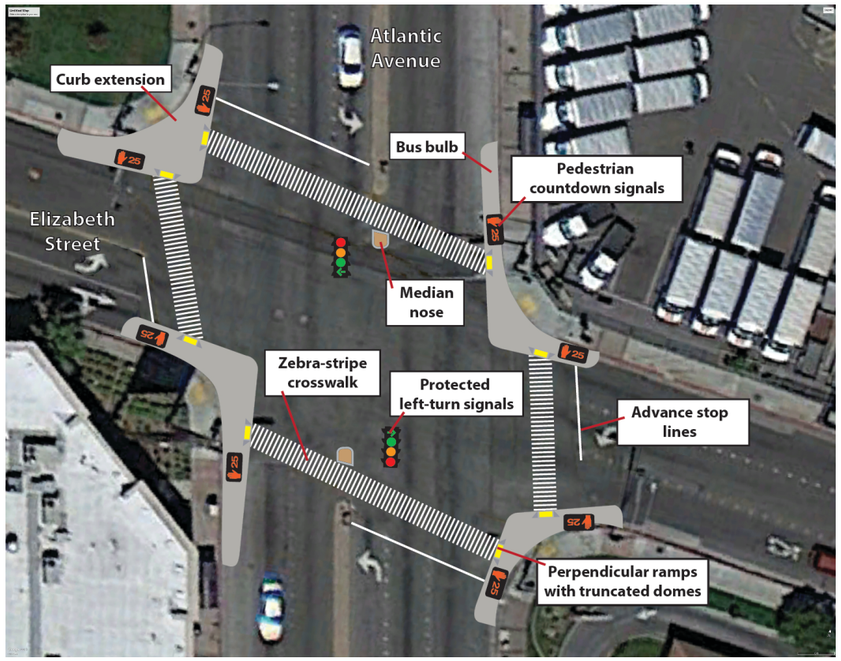
12. Atlantic Ave. & Clara St.

Existing

- Signalized intersection
- Yellow transverse-line crosswalks on all crossings
- Advance stop line on all crossings (3’ in advance)
- Bus stops on the NE and SW corners on Atlantic Ave.

Proposed

- Add white zebra-stripe crosswalks to all crossings (4)
- Add advance stop lines (6’ in advance) to all crossings (4)
- Add protected left-turns from Atlantic Ave. (2) *(HSIP 2013)*
- Add curb extensions to the east and west crossings, to the NW corner and SE corner to cross Atlantic Ave. (6)
- Add bus bulbs to the NE and SW corners of Atlantic Ave. (2)
- Add countdown signals to all crossings (8) *(HSIP 2013)*
- Put the “Walk” signals on automatic recall
- Add median noses to the north and south crossings (2)
- Increase crossing times in coordination with Los Angeles County
- Note: all proposed recommendations will need to be consistent with regional plans for Atlantic Ave. per the Gateway Cities Council of Government and Southern California Association of Governments Regional Transportation Plan



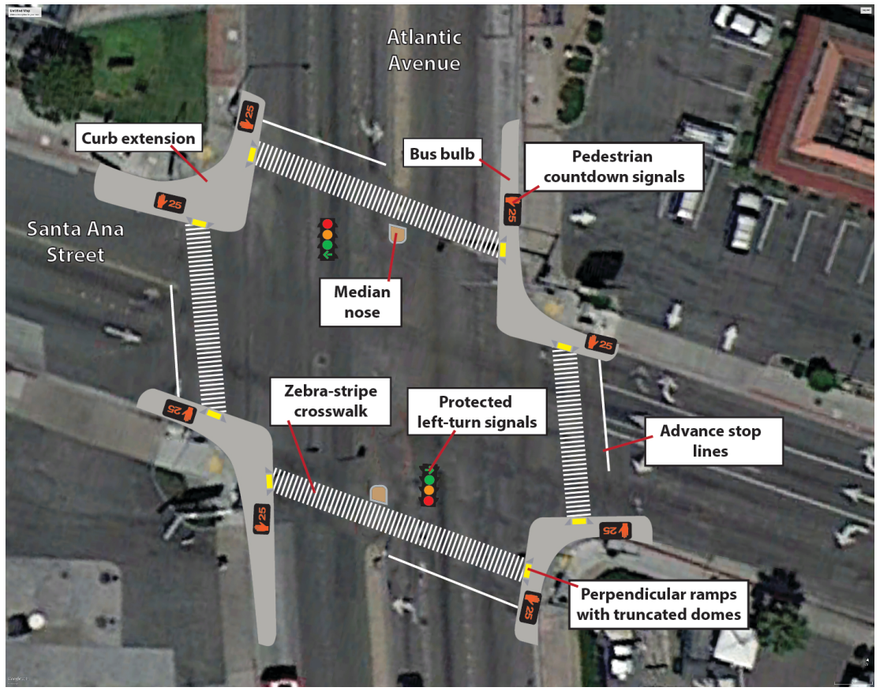
13. Atlantic Ave. & Elizabeth St.

Existing

- Signalized intersection
- Yellow transverse-line crosswalks on all crossings
- Advance stop line on all crossings (3’ in advance)
- Bus stops on the NE and SW corners on Atlantic Ave.

Proposed

- Add white zebra-stripe crosswalks to all crossings (4)
- Add advance stop lines (6’ in advance) to all crossings (4)
- Add protected left-turns from Atlantic Ave. (2) *(HSIP 2013)*
- Add curb extensions to the east crossing, to the NW corner and SE corner to cross Atlantic Ave., and to the SW corner to cross Elizabeth St. (4)
- Add a large curb extension on the NW corner to cross both directions (2)
- Add bus bulbs to the NE and SW corners of Atlantic Ave. (2)
- Add countdown signals to all crossings (8) *(HSIP 2013)*
- Put the “Walk” signals on automatic recall
- Increase crossing times in coordination with Los Angeles County
- Add median noses to the north and south crossings (2)
- Note: all proposed recommendations will need to be consistent with regional plans for Atlantic Ave. per the Gateway Cities Council of Government and Southern California Association of Governments Regional Transportation Plan



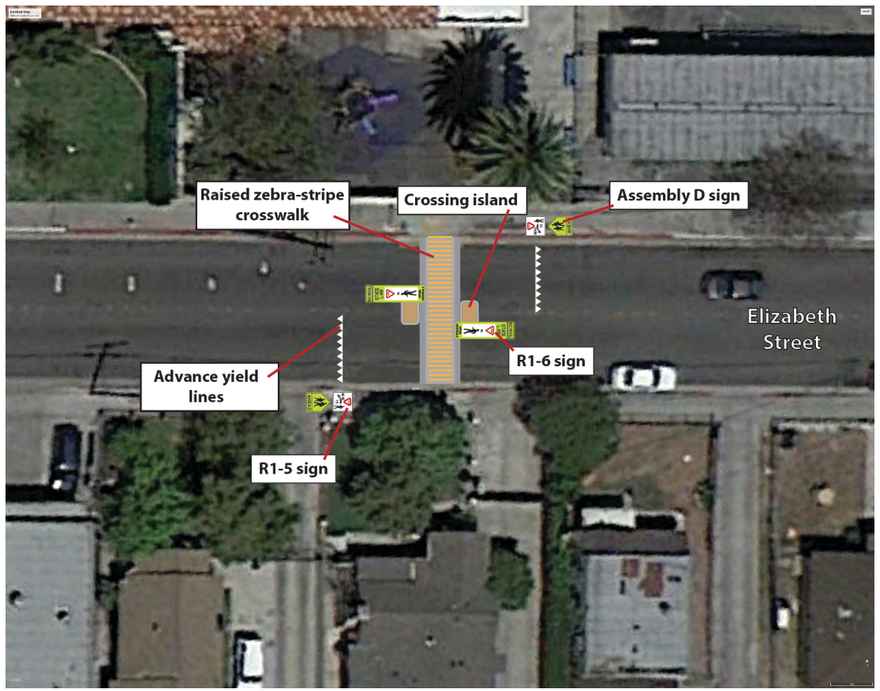
14. Atlantic Ave. & Santa Ana St.

Existing

- Signalized intersection
- Transverse-line crosswalks on all crossings
- Advance stop line on all crossings (3’ in advance)
- Bus stops on the NE and SW corners on Atlantic Ave.

Proposed

- Add white zebra-stripe crosswalks to all crossings (4)
- Add advance stop lines (6’ in advance) to all crossings (4)
- Add protected left-turns from Atlantic Ave. (2) *(HSIP 2013)*
- Add curb extensions to the east crossing, to the SE corner to cross Atlantic Ave., and to the SW corner to cross Elizabeth St. (4)
- Add a large curb extension on the NW corner to cross both directions (2)
- Add bus bulbs to the NE and SW corners of Atlantic Ave. (2)
- Add countdown signals to all crossings (8) *(HSIP 2013)*
- Put the “Walk” signals on automatic recall
- Increase crossing times in coordination with Los Angeles County
- Add median noses to the north and south crossings (2)
- Note: all proposed recommendations will need to be consistent with regional plans for Atlantic Ave. per the Gateway Cities Council of Government and SCAG Regional Transportation Plan



15. Mid-Block Crossing of Elizabeth St. between Atlantic Ave. and Wilcox Ave.

Existing

- Yellow ladder crosswalks on the north and south crossings
- In-pavement flashers (not fully functioning)
- Assembly B signs
- SLOW SCHOOL XING pavement markers on both approaches
- Assembly C signs on both approaches

Proposed

- Add a raised crosswalk (1)
- Add a yellow zebra-stripe crosswalk (1)
- Add crossing islands (1 pair)
- Add R1-6 signs (2)
- Add Assembly D signs (2)
- Add advance yield lines to both approaches (2)
- Add R1-5 signs to both approaches (2)

Bicycle Improvements

This section details the network of bikeways proposed in Cudahy. Every street that has potential to become a bikeway was field checked and measured. The recommendations resulted from available width and what type of bikeway is most appropriate for each.

The following describes each type of bikeway that is proposed for Cudahy. The proposed bikeways will use the following definitions.

- *Bike paths*—exclusive paved paths separated from the roadway for bicyclists and other non-motorized users
- *Bike lanes*—striped, stenciled, and signed lanes in the street dedicated for bicycles
- *Colored bike lanes*—bike lanes that are colored with a standard green background
- *Buffered bike lanes*—bike lanes that have a painted buffer between either the travel lane and the bike lane, or between the bike lane and parking lane
- *Double buffered bike lanes*—bike lanes with painted buffers between the bike lane and travel lane, and between the bike lane and parking lane
- *Bike routes*—signed bicycle routes that are shared with other traffic
- *Sharrows*—shared lane markings that are bicycle stencils in the street that provide more visibility for bicyclists along bike routes
- *Greenback sharrows*—stencils that are more prominent than regular sharrows by having a green painted background underneath
- *Separated bike lanes*—bike lanes that are in the street and are physically separated from the other travel lanes by parked cars, a painted area, planters, or other barriers

The Design Guidance section of this Plan contains more detail about each bikeway type. The following design principles apply to selecting each bikeway type and its configuration.

1. Where possible, bikeways are designed to maximize comfort and safety for a range of types of bicyclists and bicycling abilities, with a focus on creating bikeways that are comfortable for new and vulnerable cyclists, such as children and seniors. This means creating bikeways that are separated from vehicle traffic with a physical or painted barrier as much as possible, especially on high-speed, high-traffic volume streets.
2. The minimum width of a travel lane is 10', the minimum turn-lane width is 10', and the minimum width for parking lanes is 7'.
3. The minimum width of a bike lane outside of parking is 5', but 6' is preferred.

4. Coloring bike lanes adds more visibility and is helpful where traffic volumes are high, where the bike lanes are narrow, and where traffic speeds are high.
5. Sharrows (shared lane markings) are recommended where bike lanes won't fit. Greenback sharrows are recommended for greater visibility where appropriate.
6. Bikeways are intended to connect to key destinations such as schools, transit stops, parks, stores, and the Los Angeles River Bike Path.
7. Bikeways are intended to connect cyclists to other bikeways in Cudahy, but also to adjacent cities so residents can bicycle throughout the region.
8. Removing parking from low traffic volume residential streets is discouraged. In order to facilitate bicycling on these streets, it is recommended to slow vehicle speeds through traffic calming features such as skinny streets, bulb-outs, chicanes, reduced curb radii, parkways, etc.

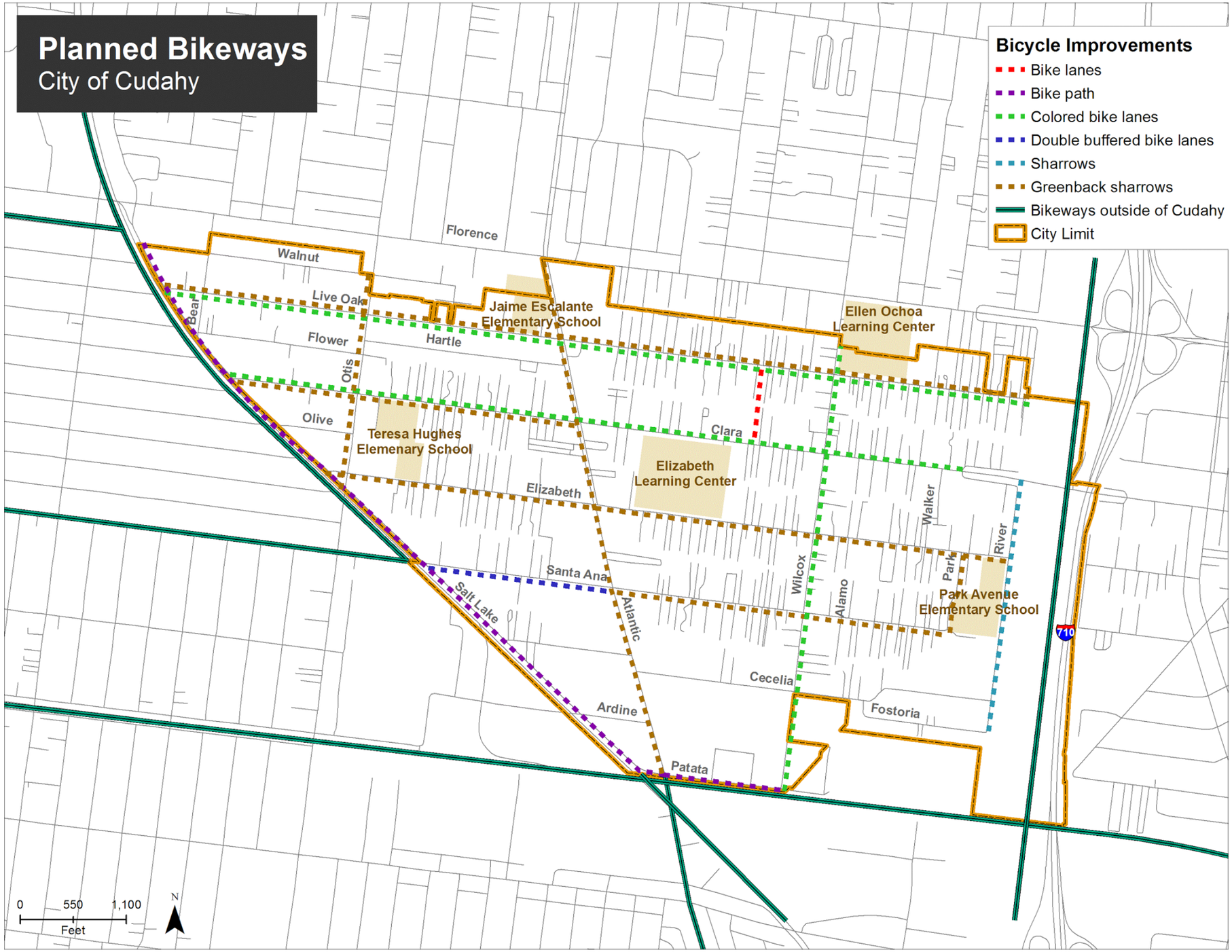
The following tables show existing conditions for streets that have potential to become part of a bikeway network. Each bikeway is broken into segments corresponding with major changes in roadway configuration or width. Each segment describes the existing roadway configuration and width, then lists proposed modifications to add bikeways.

Table 14. Existing & Proposed Street Configurations in Cudahy

Street	From	To	Street Data					Proposed Bikeways									Additional Recommendations
			Street Width (Ft.)	To Median (x)	# of Lanes	Center Turn Lane/ Median (C,M)	Parking (x)	Class I Bike Path	Class II Bike Lane	Colored Bike Lanes	Double Buffered Bike Lanes	Class III Bike Route	Class III Bike Route with Greenback Sharrows	Separated Bike Lanes	Widen Sidewalk	Add Median	
Live Oak St.	Salt Lake Ave.	River Rd.	40		2		x			South side			North side				6' bike lane on south side
Clara St.	Salt Lake Ave.	Atlantic Ave.	40		2		x			North side			South side				6' bike lane on north side
Clara St.	Atlantic Ave.	River Rd. turn-off	44		2		x			x							5' lanes
Elizabeth St.	Salt Lake Ave.	River Rd.	35-36		2		x						x				
Santa Ana St.	Salt Lake Ave.	Atlantic Ave.	56		2		x		Option 2		Option 1					Option 2	
Santa Ana St.	Atlantic Ave.	Park Ave.	36		2		x						x				
Patata St.	Atlantic Ave.	Wilcox Ave.	40		2		x	Option 1					Option 2				Option 1: Work with the RR company and South Gate for a bike path in the RR right-of-way
Salt Lake Ave.	Walnut St.	Elizabeth St.	35		2		NE side only	Option 1		Option 3, SW side			Option 3, NE side	Option 2, west side			Option 1: Work with the RR company and South Gate for a bike path in the RR right-of-way Option 2: Obtain 8' of RR right-of-way and put 2-way separated bike lanes on the southwest side Option 3: 6'-wide colored bike lane on the SW side, and bike route with Type B sharrows on the NE side
Salt Lake Ave.	Elizabeth St.	Atlantic Ave.	34		2			Option 1		Option 3				Option 2, west side			Option 1: Work with the RR company and South Gate for a bike path in the RR right-of-way Option 2: 2-way separated bike lanes on the southwest side Option 3: 6' colored bike lanes

Street	From	To	Street Data					Proposed Bikeways									Additional Recommendations
			Street Width (Ft.)	To Median (x)	# of Lanes	Center Turn Lane/ Median (C,M)	Parking (x)	Class I Bike Path	Class II Bike Lane	Colored Bike Lanes	Double Buffered Bike Lanes	Class III Bike Route	Class III Bike Route with Greenback Sharrows	Separated Bike Lanes	Widen Sidewalk	Add Median	
Otis St.	Walnut St.	Salt Lake Ave.	38		2		x						x				
Atlantic Ave.	Florence Ave.	Cecilia St.	30	x	2	M	x						x				
Atlantic Ave.	Cecilia St.	Salt Lake Ave.	37	x	2	M	x						x				
Wilcox Ave.	Florence Ave.	Cecelia St.	46		2		x			Option 1			Option 2		Option 2		6' lanes
Wilcox Ave.	Cecelia St.	Patata St.	40		2		West side only			Option 1			Option 2		Option 2		6' lanes; remove on-street parking
Park Ave.	Elizabeth St.	Santa Ana St.	40		2		x						x				
River Rd.	Clara St.	Fostoria St.	25		2								x				
Clara Park Bike Path	Live Oak St.	East side of Clara Park						x									Work with the property owner to pave a path along the western perimeter of the property to the east side of Clara Park; could be done through a purchase, easement, or requirement of new development

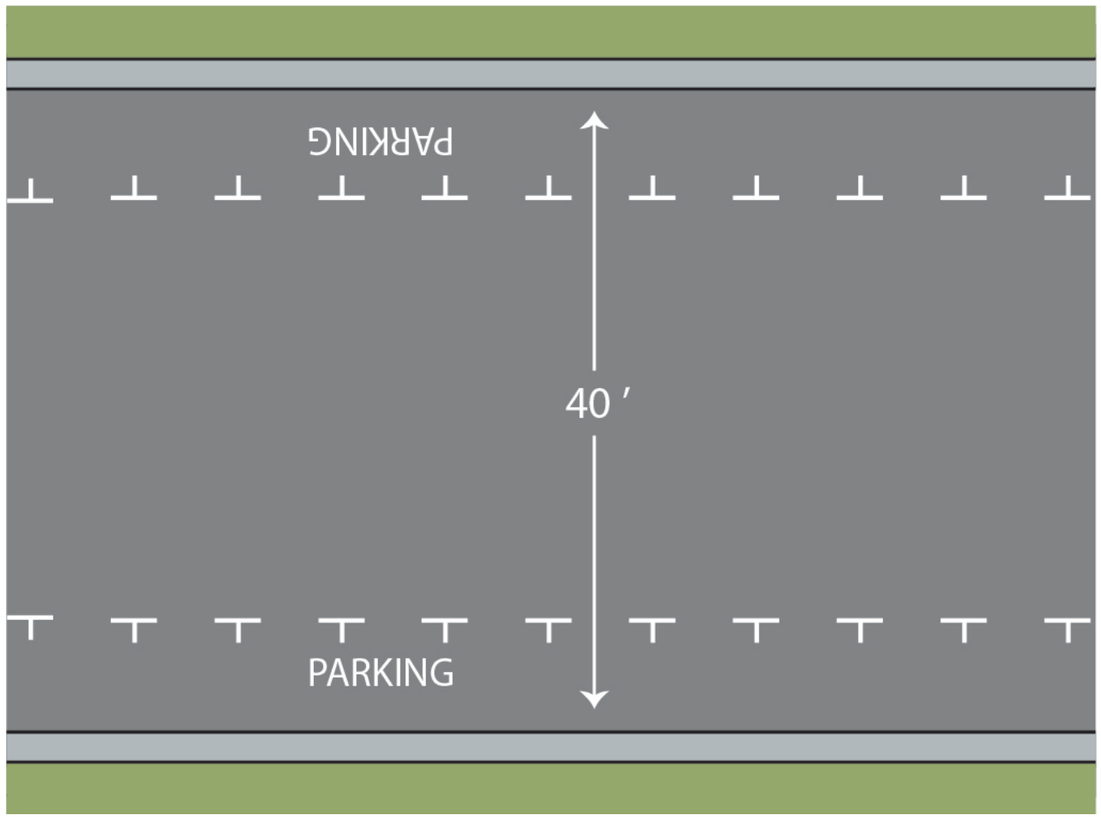
Map 3. Planned Bikeways



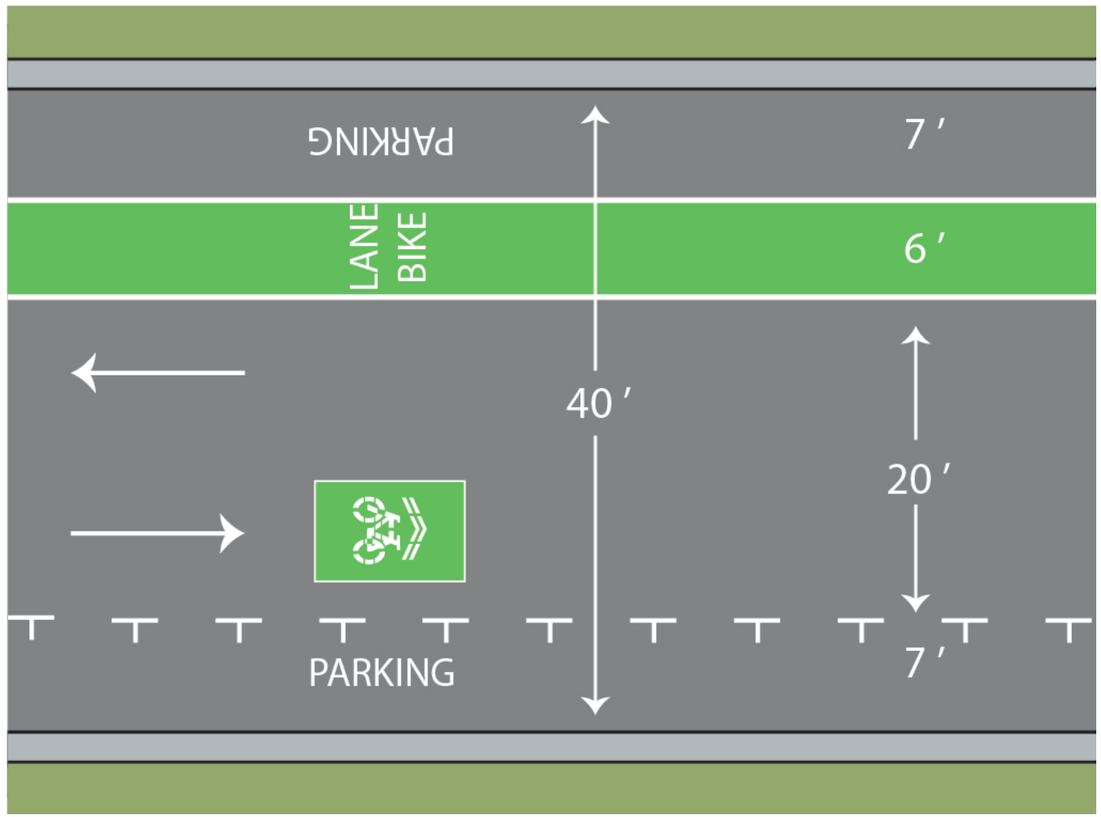
Clara Street From Salt Lake Avenue to Atlantic Avenue

Colored Bike Lane & Class III Bike Route with Greenback Sharrows

Existing



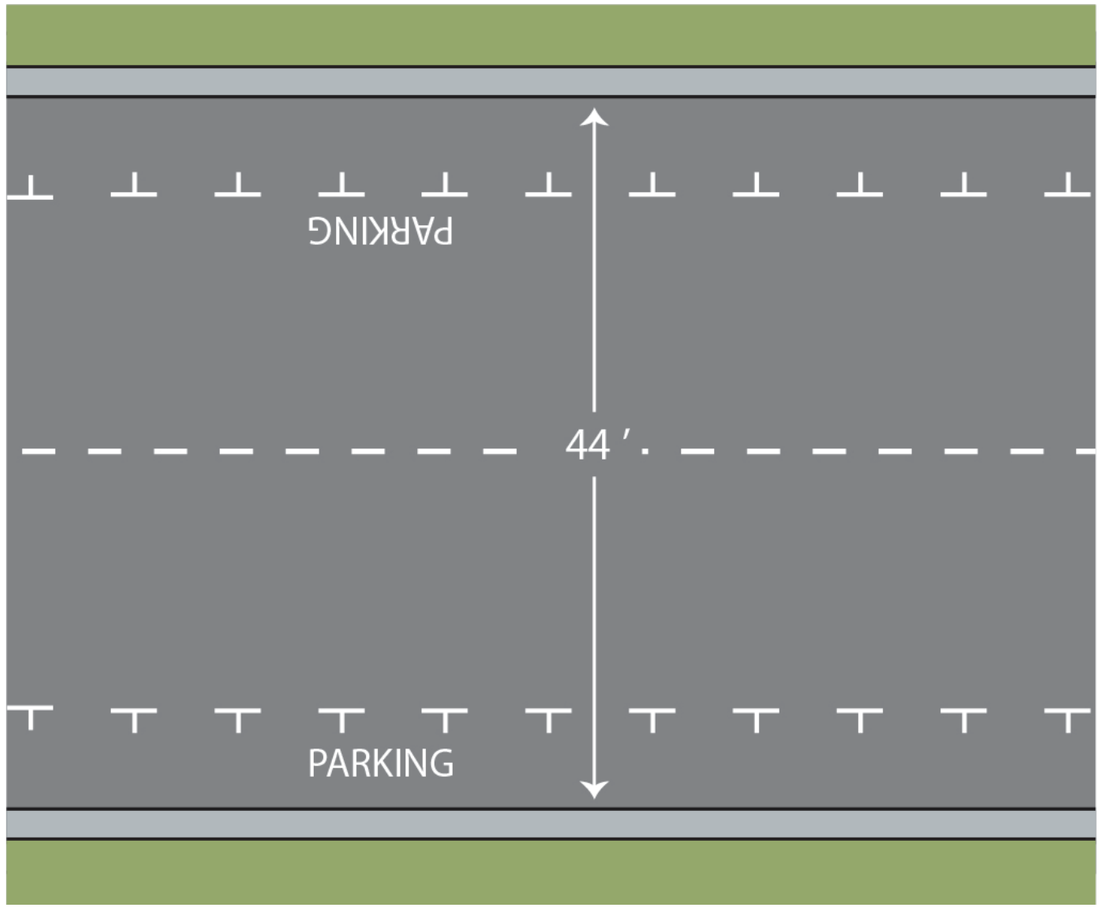
Proposed



Clara Street From Atlantic Avenue to River Road Turn-Off

Colored Bike Lanes

Existing



Proposed

