Appendix A

Air Quality and Greenhouse Gas Emissions Modeling Results

Green Dot - Animo Compton Project

Air Quality and Greenhouse Gas Study

prepared for

Green Dot Public Schools California
1149 South Hill Street, Suite 600
Los Angeles, California 90015
Contact: Cristina de Jesus, Ed.D

prepared by

Rincon Consultants, Inc.
250 East 1st Street, Suite 1400
Los Angeles, California 90012

August 2023

RINCON CONSULTANTS, INC.
Environmental Scientists | Planners | Engineers
rinconconsultants.com

Table of Contents

Tables

Figures

Appendices

1 Project Description and Impact Summary

1.1 Introduction

This study analyzes the potential air quality and greenhouse gas (GHG) impacts of the proposed Green Dot - Animo Compton Project (herein referred to as "proposed project" or "project") located in the unincorporated West Rancho Dominguez-Victoria neighborhood in Los Angeles County, California. Rincon Consultants, Inc. (Rincon) prepared this study under contract to Green Dot Public Schools California for the County of Los Angeles to use in support of the environmental documentation being prepared pursuant to the California Environmental Quality Act (CEQA). The purpose of this study is to analyze the project's air quality and GHG impacts related to both temporary construction activity and long-term operation of the project. The conclusions of this study are summarized in Table 1, followed by the Regulatory Compliance Measures (RCMs) applicable to the project.

Table 1 Summary of Impacts

Impact Threshold	Proposed Project's Level of Significance	Applicable RCMs
Air Quality		
Conflict with or obstruct implementation of the applicable air quality plan	No impact	None
Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard	Less than significant impact	RCM-1 and RCM-3 through RCM-5
Expose sensitive receptors to substantial pollutant concentrations	Less than significant impact with mitigation incorporated	N-1 (Construction Emissions Reduction)
Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people	No impact	RCM-2
Greenhouse Gas Emissions		
Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment	Less than significant impact	None
Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHGs	Less than significant impact	None

Regulatory Compliance Measures

RCMs are existing requirements and reasonably anticipated standard conditions that are based on local, State, or federal regulations and laws that are frequently required independently of CEQA review and serve to offset or prevent specific impacts. RCMs are not included as mitigation measures in the environmental clearance document because the project is required to comply with RCMs through State and local regulations.

RCM-1 Demolition, Grading, and Construction Activities: Compliance with Provisions of SCAQMD Rule 403

The project shall comply with all applicable standards of Southern California Air Quality Management District (SCAQMD) Rule 403, including the following provisions:

- All unpaved demolition and construction areas shall be wetted at least twice daily during excavation and construction, and temporary dust covers shall be used to reduce dust emissions and meet SCAQMD Rule 403. Wetting could reduce fugitive dust by as much as 50 percent.
- The construction area shall be kept sufficiently dampened to control dust caused by grading and hauling, and at all times provide reasonable control of dust caused by wind.
- All clearing, earth moving, or excavation activities shall be discontinued during periods of high winds (i.e., greater than 15 mph), in order to prevent excessive amounts of dust.
- All dirt/soil shall be secured by trimming, watering, or other appropriate means to prevent spillage and dust.
- All dirt/soil materials transported off-site shall be either sufficiently watered or securely covered to prevent excessive amounts of dust.
- General contractors shall maintain and operate construction equipment to minimize exhaust emissions.
- Trucks having no current hauling activity shall not idle but be turned off.

RCM-2 Odors: Compliance with Provisions of SCAQMD Rule 402

The project shall comply with the following provision of SCAQMD Rule 402: a person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

RCM-3 Engine Idling

In accordance with Section 2485 of Title 13 of the California Code of Regulations, the idling of all diesel-fueled commercial vehicles (weighing over 10,000 pounds) during construction shall be limited to five minutes at any location unless engaged in a construction activity.

RCM-4 Emission Standards

In accordance with Section 93115 of Title 17 of the California Code of Regulations, operation of any stationary, diesel-fueled, compression-ignition engines shall meet specified fuel and fuel additive requirements and emission standards.

RCM-5 Architectural Coatings: Compliance with SCAQMD Rule 1113

The project shall comply with SCAQMD Rule 1113 limiting the volatile organic compound (VOC) content of architectural coatings.

Mitigation Measure

AQ-1 Construction Emissions Reduction

Prior to issuance of grading permits, the County shall confirm that the grading plan, building plans, and specifications stipulate that the following measures shall be implemented:

- All mobile off-road equipment (wheeled or tracked) used during construction activities shall meet the USEPA Tier 4 final standards. Tier 4 certification can be for the original equipment or equipment that is retrofitted to meet the Tier 4 Final standards.
- Alternative fuel (natural gas, propane, electric, etc.) construction equipment shall be incorporated where available. These requirements shall be incorporated into the contract agreement with the construction contractor. A copy of the equipment's certification or model year specifications shall be available upon request for all equipment on-site.
- Electricity shall be supplied to the site from the existing power grid to support the electric construction equipment. If connection to the grid is determined to be infeasible for portions of the project, a non-diesel fueled generator shall be used.
- The project shall comply with the CARB Air Toxics Control Measure that limits diesel powered equipment and vehicle idling to no more than five minutes at a location, and the CARB In-Use Off-Road Diesel Vehicle Regulation; compliance with these would minimize emissions of TACs during construction.

1.2 Project Summary

Project Location and Existing Conditions

The project site is located at 900 East Rosecrans Avenue, Los Angeles, California 90059 (hereafter referred to as "project site" or "site"), at the southwest corner of East Rosecrans Avenue and South Cahita Avenue. The site is located in the unincorporated West Rancho Dominguez-Victoria neighborhood of the County of Los Angeles and is comprised of two Assessor Parcel Numbers (APNs) 6137-017-001 and 6137-032-033 with a total area of approximately 4.03 acres and a net area of approximately 3.63 acres. The site is zoned R-1 (Single-Family Residence) with a land use designation of Residential 9, which provides for single-family residences.

The site is owned and is being used by Redeemer Presbyterian Church (hereafter referred to as "Church"). The western portion of the site is developed with the Church; an annex attached to the Church that contains offices, meeting rooms, and classrooms; a standalone modular building; a standalone classroom building; and surface parking, all of which will remain on the site (hereafter referred to as "Church portion"). The eastern portion of the site is developed with paved surfaces and a one-story, 5,646-square-foot building that currently accommodates various additional uses, such as a multi-purpose room, a preschool, administrative uses, restrooms, a breakroom, and a servery. The project is proposed on this eastern portion (hereafter referred to as the "proposed School portion") totaling approximately 2.2 acres, which is discussed in further detail under *Project Description*. The rear area of the proposed School portion is comprised of vacant land with a weathered playground. See Figure 1 and Figure 3 for the location of the site in a regional and local context, respectively.

The area surrounding the site is comprised of a mixture of industrial, commercial, and residential uses. The site is bound by East Rosecrans Avenue to the north with industrial and commercial uses beyond. As shown in Figure 2, the site's southern, western, and most of the eastern property lines

are not immediately bound by the surrounding roadways (i.e., East 145th Street, South Clymar Avenue, and South Cahita Avenue). Rather, the majority of the site is bound by single-family residences to the east, south, and west.

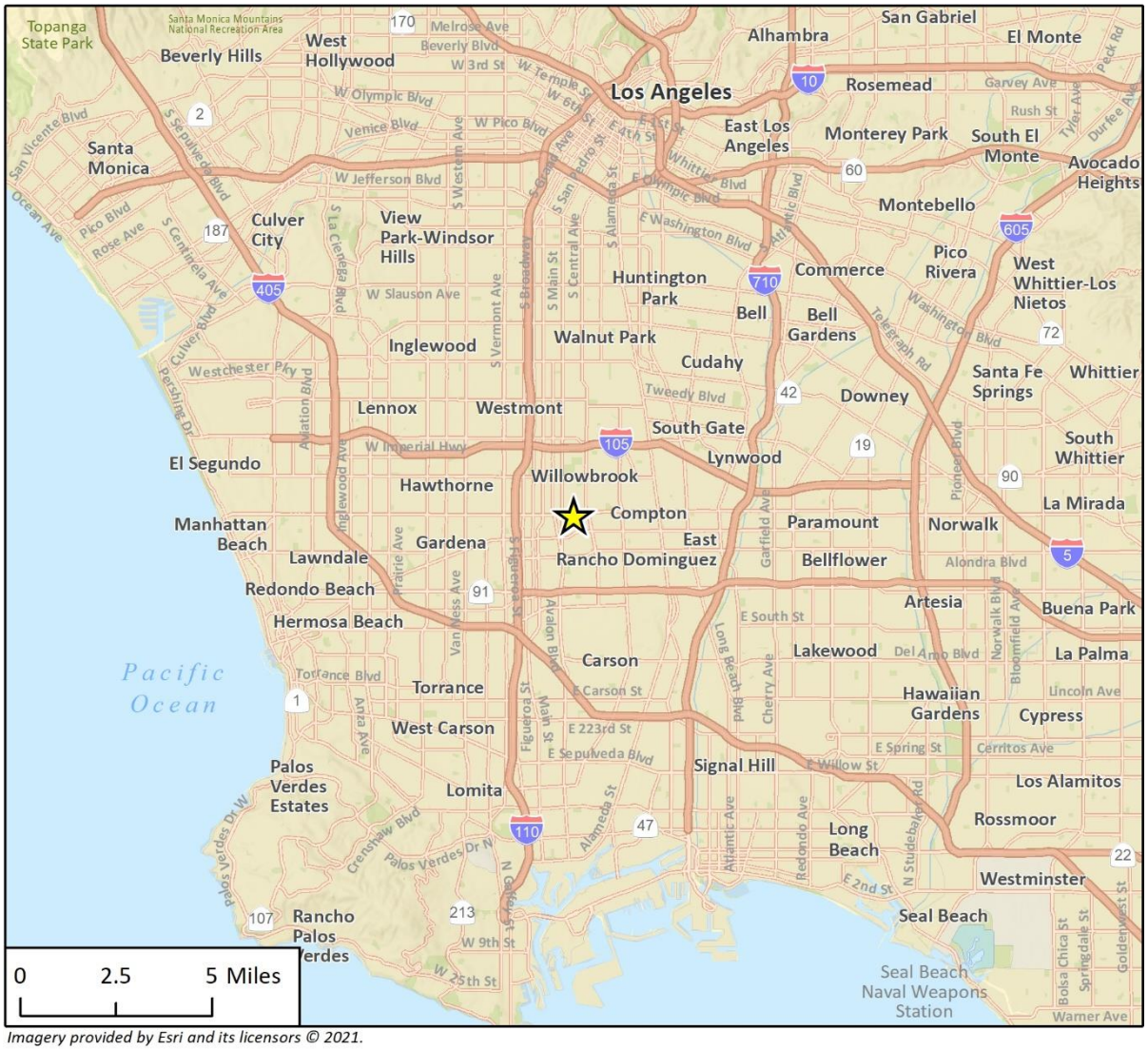
Project Description

The proposed project involves the development of a public charter school that would be a combined charter middle school and high school for grades 6 through 12. The project would be located on the proposed School portion of the site and would not result in any changes to the Church portion. The project involves the repurposing and remodeling of the existing one-story, 5,646-square-foot building to accommodate administrative offices and a 2,190-square-foot multi-purpose room. The project would also include installment of a shade structure on the eastern side of the existing building. The project would also include construction of a new two-story, 33,769-square-foot school building consisting of 26 classrooms (ranging from 728 to 750 square feet in size) and four laboratories (779 square feet each) for a total of 30 classrooms. Each floor would also have separate student and staff restrooms. The roof of the new school building would include 2,717 square feet of area for solar photovoltaic (PV) systems. Maximum enrollment of the school would be 600 students and 45 staff members, and school hours would be weekdays from 7:30 a.m. to 5:00 p.m. Parking for the project would be met by the existing surface parking lot on the site. The project would have 61 dedicated parking spaces while the Church would maintain 80 parking spaces. The project would also provide 120 short-term bicycle spaces and 3 long-term bicycle spaces. Access to the parking lot is provided off East Rosecrans Avenue. Figure 3 illustrates the proposed site plan.

Construction

Project construction is expected to commence in June 2024 and is anticipated to end in June 2025, for a total construction period of approximately 13 months. The project would require cut of 1,055 cubic yards of soil, in which 715 cubic yards of soil would be redistributed on-site and the remaining 340 cubic yards of soil would be exported off-site.

Figure 1 Regional Location Map



Imagery provided by Esri and its licensors © 2021.

Project Location

N

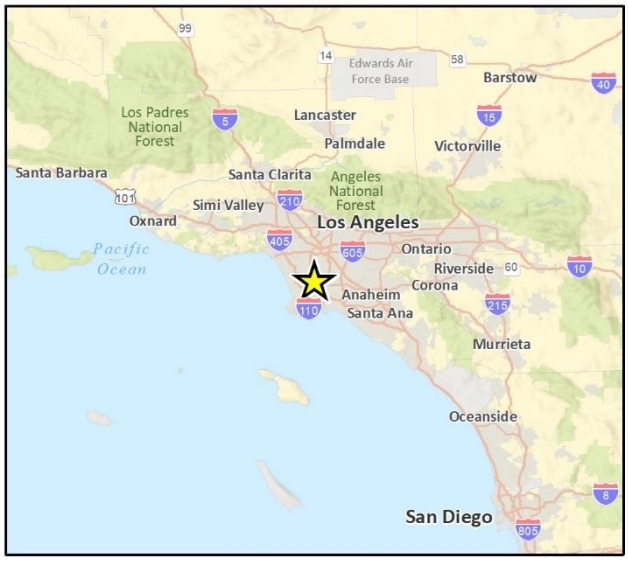


Figure 2 Project Site Location

Figure 3 Proposed Site Plan

2 Air Quality

2.1 Environmental and Regulatory Setting

Local Climate and Meteorology

The project site is in the South Coast Air Basin (SCAB), which is bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. The SCAB includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties, in addition to the San Gorgonio Pass area in Riverside County. The regional climate in the SCAB is semi-arid and is characterized by warm summers, mild winters, infrequent seasonal rainfall, moderate daytime onshore breezes, and moderate humidity. The air quality in the SCAB is primarily influenced by meteorology and a wide range of emission sources, such as dense population centers, substantial vehicular traffic, and industry.

Air pollutant emissions in the SCAB are generated primarily by stationary and mobile sources. Stationary sources can be divided into two major subcategories: point and area sources. Point sources occur at a specific location and are often identified by an exhaust vent or stack. Examples include boilers or combustion equipment that produce electricity or generate heat. Area sources are widely distributed and include such sources as residential and commercial water heaters, painting operations, lawn mowers, agricultural fields, landfills, and some consumer products. Mobile sources refer to emissions from motor vehicles, including tailpipe and evaporative emissions, and are classified as either on-road or off-road. On-road mobile sources may be legally operated on roadways and highways. Off-road mobile sources include aircraft, ships, trains, and self-propelled construction equipment. Air pollutants can also be generated by the natural environment, such as when high winds suspend fine dust particles.

Air Pollutants of Primary Concern

Primary criteria pollutants are emitted directly from a source (e.g., vehicle tailpipe, an exhaust stack of a factory, etc.) into the atmosphere. Primary criteria pollutants include carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), particulate matter with diameters of ten microns or less (PM_{10}) and with diameters of 2.5 microns or less ($PM_{2.5}$), and lead. Ozone is considered a secondary criteria pollutant because it is created by atmospheric chemical and photochemical reactions between volatile organic compounds (VOCs) and nitrogen oxides (NO_X). Secondary pollutants include oxidants, ozone, and sulfate and nitrate particulates (smog). The following subsections describe the characteristics, sources, and health and atmospheric effects of critical air contaminants.

Ozone

Ozone is a highly oxidative unstable gas produced by a photochemical reaction (triggered by sunlight) between NO_X and VOC. VOC is composed of non-methane hydrocarbons (with specific exclusions), and NO_X is composed of different chemical combinations of nitrogen and oxygen, mainly nitric oxide and NO_2. NO_X is formed during the combustion of fuels, while ROG is formed during the combustion and evaporation of organic solvents. As a highly reactive molecule, O_3 readily combines with many different atmosphere components. Consequently, high O_3 levels tend to exist only while high ROG and NO_X levels are present to sustain the O_3 formation process. Once the

precursors have been depleted, O_3 levels rapidly decline. Because these reactions occur on a regional rather than local scale, O_3 is considered a regional pollutant. In addition, because O_3 requires sunlight to form, it mainly occurs in concentrations considered serious between April and October. People most at risk from ozone include people with asthma, children, older adults, and people who are active outdoors, especially outdoor workers. In addition, people with reduced intake of certain nutrients, such as vitamins C and E, are at greater risk from ozone exposure Depending on the level of exposure, O_3 can cause coughing and a sore or scratch throat; make it more difficult to breathe deeply and vigorously and cause pain when taking a deep breath; inflame and damage the airways; make the lungs more susceptible to infection; aggravate lung diseases such as asthma, emphysema, and chronic bronchitis; and increase the frequency of asthma attacks (USEPA 2023a).

Carbon Monoxide

Carbon monoxide (CO) is a localized pollutant found in high concentrations only near its source. The primary source of CO, a colorless, odorless, poisonous gas, is automobile traffic's incomplete combustion of petroleum fuels. Therefore, elevated concentrations are usually only found near areas of high traffic volumes. When CO levels are elevated outdoors, they can be of particular concern for people with some types of heart disease. These people already have a reduced ability to get oxygenated blood to their hearts in situations where they need more oxygen than usual. As a result, they are especially vulnerable to the effects of CO when exercising or under increased stress. In these situations, short-term exposure to elevated CO may result in reduced oxygen to the heart accompanied by chest pain, also known as angina (USEPA 2023b).

Nitrogen Dioxide

Nitrogen dioxide (NO_2) is a by-product of fuel combustion. The primary sources are motor vehicles and industrial boilers, and furnaces. The principal form of NO_x produced by combustion is nitric oxide (NO), but NO reacts rapidly to form NO_2, creating the mixture of NO and NO_2, commonly called NO_x. NO_2 is a reactive, oxidizing gas and an acute irritant capable of damaging cell linings in the respiratory tract. Breathing air with a high concentration of NO_2 can irritate airways in the human respiratory system. Such exposures over short periods can aggravate respiratory diseases leading to respiratory symptoms (such as coughing, wheezing, or difficulty breathing), hospital admissions, and visits to emergency rooms. Longer exposures to elevated concentrations of NO_2 may contribute to the development of asthma and potentially increase susceptibility to respiratory infections. People with asthma and children and the elderly are generally at greater risk for the health effects of NO_2 (USEPA 2023c). NO_2 absorbs blue light and causes a reddish-brown cast to the atmosphere and reduced visibility. It can also contribute to the formation of O_3/smog and acid rain.

Sulfur Dioxide

Sulfur dioxide (SO_2) is included in a group of highly reactive gases known as “oxides of sulfur.” The largest sources of SO_2 emissions are from fossil fuel combustion at power plants (73 percent) and other industrial facilities (20 percent). Smaller sources of SO_2 emissions include industrial processes such as extracting metal from ore and burning fuels with a high sulfur content by locomotives, large ships, and off-road equipment. Short-term exposures to SO_2 can harm the human respiratory system and make breathing difficult. People with asthma, particularly children, are sensitive to these effects of SO_2 (USEPA 2023d).

Suspended Particulates

Suspended atmospheric PM_{10} and $PM_{2.5}$ are comprised of finely divided solids and liquids such as dust, soot, aerosols, fumes, and mists. Both PM_{10} and $PM_{2.5}$ are emitted into the atmosphere as by-products of fuel combustion and wind erosion of soil and unpaved roads. The atmosphere, through chemical reactions, can form particulate matter. The characteristics, sources, and potential health effects of PM_{10} and $PM_{2.5}$ can be very different. PM_{10} is generally associated with dust mobilized by wind and vehicles. In contrast, $PM_{2.5}$ is generally associated with combustion processes and formation in the atmosphere as a secondary pollutant through chemical reactions. PM_{10} can cause increased respiratory disease, lung damage, cancer, premature death, reduced visibility, surface soiling. For $PM_{2.5}$, short-term exposures (up to 24-hours duration) have been associated with premature mortality, increased hospital admissions for heart or lung causes, acute and chronic bronchitis, asthma attacks, emergency room visits, respiratory symptoms, and restricted activity days. These adverse health effects have been reported primarily in infants, children, and older adults with preexisting heart or lung diseases (California Air Resource Board [CARB] 2023a]).

Lead

Lead (Pb) is a metal found naturally in the environment, as well as in manufacturing products. The major sources of lead emissions historically have been mobile and industrial. However, due to the USEPA 's regulatory efforts to remove lead from gasoline, atmospheric Pb concentrations have declined substantially over the past several decades. The most dramatic reductions in Pb emissions occurred before 1990 due to the removal of Pb from gasoline sold for most highway vehicles. Pb emissions were further reduced substantially between 1990 and 2008, with reductions occurring in the metals industries at least partly due to national emissions standards for hazardous air pollutants (USEPA 2014). As a result of phasing out leaded gasoline, metal processing is currently the primary source of Pb emissions. The highest Pb level in the air is generally found near Pb smelters. Other stationary sources include waste incinerators, utilities, and Pb-acid battery manufacturers. Pb can adversely affect the nervous system, kidney function, immune system, reproductive and developmental systems, and cardiovascular system depending on exposure. Pb exposure also affects the oxygen-carrying capacity of the blood. The Pb effects most likely encountered in current populations are neurological in children. Infants and young children are susceptible to Pb exposures, contributing to behavioral problems, learning deficits, and lowered IQ (USEPA 2023e).

Toxic Air Contaminants

In addition to the criteria pollutants discussed above, Toxic Air Contaminants (TAC) are airborne substances diverse group of air pollutants that may cause or contribute to an increase in deaths or serious illness, or that may pose a present or potential hazard to human health. TACs include both organic and inorganic chemical substances that may be emitted from a variety of common sources, including gasoline stations, motor vehicles, dry cleaners, industrial operations, painting operations, and research and teaching facilities. One of the main sources of TACs in California is diesel engine exhaust that contains solid material known as diesel particulate matter (DPM). More than 90 percent of DPM is less than one micron in diameter (about $1/70^{th}$ the diameter of a human hair) and thus is a subset of $PM_{2.5}$. Because of their extremely small size, these particles can be inhaled and eventually trapped in the bronchial and alveolar regions of the lungs (CARB 2023a). TACs are different than criteria pollutants because ambient air quality standards have not been established for TACs. TACs occurring at extremely low levels may still cause health effects and it is typically difficult to identify levels of exposure that do not produce adverse health effects. TAC impacts are

described by carcinogenic risk and by chronic (i.e., long duration) and acute (i.e., severe but of short duration) adverse effects on human health. People exposed to TACs at sufficient concentrations and durations may have an increased chance of getting cancer or experiencing other serious health effects. These health effects can include damage to the immune system, as well as neurological, reproductive (e.g., reduced fertility), developmental, respiratory, and other health problems (USEPA 2023f).

Air Quality Regulation

Federal and California Clean Air Acts

The federal and State governments have established ambient air quality standards for the protection of public health. USEPA is the federal agency designated to administer air quality regulation, while the CARB is the state equivalent within the California Environmental Protection Agency (CalEPA). County-level air districts provide local management of air quality. CARB has established air quality standards and is responsible for the control of mobile emission sources, while the local air districts are responsible for enforcing standards and regulating stationary sources. CARB has established 15 air basins statewide, including the SCAB.

The USEPA has set primary national ambient air quality standards (NAAQS) for ozone, CO, NO_2, PM_{10}, $PM_{2.5}$, SO_2, and lead. Primary standards are those levels of air quality deemed necessary, with an adequate margin of safety, to protect public health. In addition, California has established health-based ambient air quality standards (known as the California ambient air quality standards [CAAQS]) for these and other pollutants, some of which are more stringent than the federal standards. Table 2 on the following page lists the current federal and state standards for regulated pollutants and the attainment status of the SCAB for each pollutant.

The project site is within Los Angeles County, which currently exceeds the NAAQS for 8 and 1-hour ozone, $PM_{2.5}$, and Lead. Los Angeles County is classified an attainment/maintenance area under the CAAQS for CO, and attainment for $PM_{2.5}$. Los Angeles County is currently classified as a nonattainment area under the CAAQS for O_3, $PM_{2.5}$, and PM_{10} (CARB 2022a).

Table 2 Federal and State Ambient Air Quality Standards and Basin Attainment Status

		California Ambient Air Quality Standards		National Ambient Air Quality Standards	
Pollutant	**Averaging Time**	**Concentration**	**Attainment Status**	**Concentration**	**Attainment Status**
Ozone	8-Hour	0.070 ppm	N	0.070 ppm	N
	1-Hour	0.09 ppm	N	--	--
Carbon Monoxide	8-Hour	9 ppm	A	9 ppm	A
	1-Hour	20 ppm	A	35 ppm	A
Nitrogen Dioxide	1-Hour	0.18 ppm	A	0.100 ppm	U/A
	Annual Arithmetic Mean	0.030 ppm		0.053 ppm	A
Sulfur Dioxide	24-Hour	0.04 ppm	A	0.14 ppm	U/A
	1-Hour	0.25 ppm	A	0.075 ppm	U/A
	Annual Arithmetic Mean	--	--	0.030 ppm	U/A
Particulate Matter – Small (PM_{10})	Annual Arithmetic Mean	20 µg/m^3	N	--	--
	24-Hour	50 µg/m^3	N	150 µg/m^3	A
Particulate Matter – Fine ($PM_{2.5}$)	Annual Arithmetic Mean	12 µg/m^3	N	12 µg/m^3	N
	24-Hour	--	--	35 µg/m^3	N
Sulfates	24-Hour	25 µg/m^3	A	--	--
Lead	Rolling 3-Month Average	--		0.15 µg/m^3	N[1]
	30-Day Average	1.5 µg/m^3	A	--	--
Hydrogen Sulfide[2]	1-Hour	0.03 ppm (42 µg/m^3)	A	--	
Vinyl Chloride (Chloroethene)[2]	24-Hour	0.010 ppm (26 µg/m^3)	A	--	--
Visibility Reducing Particles[2]	8-Hour (10:00 to 18:00 PST)	--	No information available	--	--

A = attainment; N = nonattainment; U = unclassified; ppm=parts per million; µg/m^3=micrograms per cubic meter; PST = Pacific Standard Time

[1] Partial Nonattainment designation – Los Angeles County portion of the SCAB only for near-source monitors. Expect re-designation to attainment based on current monitoring data.

[2] The project does not include substantial sources of hydrogen sulfide, vinyl chloride, or visibility reducing particles. Ambient air quality standards for these pollutants is provided for informational purposes only; however, these pollutants are not evaluated for the purposes of CEQA.

Source: SCAQMD 2016; CARB 2022a; USEPA 2023g

Air Quality Management Plan

To meet the NAAQS and CAAQS, the SCAQMD has adopted a series of AQMPs, which serve as a regional blueprint to develop and implement an emission reduction strategy that will bring the area into attainment with the standards in a timely manner. The most significant air quality challenge in the Air Basin is to reduce NO_X emissions sufficiently to meet the 2037 ozone standard deadline for the non-Coachella Valley portion of the South Coast Air Basin, as NO_X plays a critical role in the creation of ozone. The 2022 AQMP includes strategies to ensure the SCAQMD does its part to further the Air District's ability to meet the 2015 federal ozone standards. The district would need to reduce emissions of NO_X by 67 percent beyond what is required by the adopted rules and regulations in 2037 to meet the 2015 federal ozone standard (SCAQMD 2022). The 2022 AQMP builds on the measures already in place from the previous AQMPs and includes a variety of additional strategies such as regulation, accelerated deployment of available cleaner technology, best management practices, co-benefits from existing programs, incentives, and other CAA measures to meet the 8-hour ozone standard. Since NO_X emissions also lead to the formation of $PM_{2.5}$, the NO_X reductions needed to meet the ozone standards will likewise lead to improvement of $PM_{2.5}$ levels and attainment of annual $PM_{2.5}$ standards (SCAQMD 2017).[1]

The SCAQMD's strategy to meet the NAAQS and CAAQS distributes the responsibility for emission reductions across federal, State, and local levels and industries. The majority of these emissions are from heavy-duty trucks, ships, and other State and federally regulated mobile source emissions that are beyond SCAQMD's control. The 2022 AQMP is composed of stationary and mobile source emission reductions from traditional regulatory control measures, incentive-based programs, co-benefits from climate programs, mobile source strategies, and reductions from federal sources, which include aircraft, locomotives, and ocean-going vessels. These strategies are to be implemented in partnership with the CARB and USEPA. The district will not meet the standard without significant federal action. In addition to federal action, the 2022 AQMP relies on substantial future development of advanced technologies to meet the standards, including the transition to zero and low emission technologies. Of the needed NO_X emissions reductions, 46 percent will come from federal actions, 34 percent from CARB actions, and 20 percent will come directly from SCAQMD actions (SCAQMD 2022).

The AQMP also incorporates the transportation strategy and transportation control measures from SCAG's 2020-2045 RTP/SCS Plan (Connect SoCal) (SCAG 2020). SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial counties, and addresses regional issues relating to transportation, the economy, community development, and the environment. SCAG coordinates with various air quality and transportation stakeholders in southern California to ensure compliance with the federal and State air quality requirements. Pursuant to California Health and Safety Code Section 40460, SCAG has the responsibility of preparing and approving the portions of the AQMP relating to the regional demographic projections and integrated regional land use, housing, employment, and transportation programs, measures, and strategies. SCAG is required by law to ensure that transportation activities "conform" to, and are supportive of, the goals of regional and State air quality plans to attain the NAAQS. Connect SoCal includes transportation programs, measures, and strategies generally designed to reduce vehicle miles traveled (VMT), which are contained in the AQMP. The SCAQMD combines its portion of the

[1] Estimates are based on the inventory and modeling results and are relative to the baseline emission levels for each attainment year (see Final 2016 AQMP for detailed discussion).

AQMP with those prepared by SCAG (SCAQMD 2022). Connect SoCal and Transportation Control Measures, included as Appendix IV-C of the 2022 AQMP, are based on SCAG's Connect SoCal.

The 2022 AQMP forecasts the 2037 emissions inventories ''with growth'' based on SCAG's Connect SoCal. The region is projected to see a 12 percent growth in population, 17 percent growth in housing units, 11 percent growth in employment, and 5 percent growth in VMT between 2018 and 2037. Despite regional growth in the past, air quality has improved substantially over the years, primarily due to the effects of air quality control programs at the local, State, and federal levels (SCAQMD 2022).

Project-level significance thresholds established by local air quality management districts set the level at which a project would cause or have a cumulatively considerable contribution to an exceedance of the NAAQS and/or CAAQS. Therefore, if a project's air pollutant emissions exceed the NAAQS and/or CAAQS, the project could cause or contribute to the human health impacts.

Current Air Quality

The SCAQMD operates a network of air quality monitoring stations throughout the SCAB. The purpose of the monitoring stations is to measure ambient concentrations of pollutants and to determine whether ambient air quality meets the NAAQS and CAAQS. The monitoring station closest to the project is the Compton station located at 700 North Bullis Road, located approximately 3.1 miles east of the project site. Table 3 indicates the number of days that the NAAQS and CAAQS have been exceeded at the station in 2019, 2020, and 2021. Since the Compton station did not include monitoring data for PM_{10}, the nearest monitoring station with available data were used (i.e., the Los Angeles-North Main Street station). The data indicates that the state worst-hour ozone standard was exceeded in 2019 and 2020 and the federal and state eight-hour ozone standards were exceeded each year from 2019 to 2021. In addition, the state PM_{10} standard and federal $PM_{2.5}$ standard were exceeded each year from 2019 to 2021. No other NAAQS or CAAQS were exceeded.

Table 3 Ambient Air Quality at the Nearest Monitoring Station

Pollutant	2019	2020	2021
Ozone (ppm), Highest 1-Hour[1]	0.10	0.15	0.09
Number of days above CAAQS (>0.09 ppm)	1	3	0
Ozone (ppm), Highest 8-Hour Average[1]	0.079	0.115	0.076
Number of days above NAAQS and CAAQS (>0.070 ppm)	1	4	1
Nitrogen Dioxide (ppm), Highest 1 Hour[1]	0.070	0.072	0.068
Number of days above CAAQS (>0.180 ppm)	0	0	0
Number of days above NAAQS (>0.100 ppm)	0	0	0
PM_{10} – Particulate Matter ≤10 microns (μg/m³), Highest 24-Hour Average[2]	93.9	185.2	138.5
Number of days above CAAQS (>50 μg/m³)	15	34	14
Number of days above NAAQS (>150 μg/m³)	0	0	0
$PM_{2.5}$ – Particulate Matter ≤2.5 microns (μg/m³), Highest 24 Hour Average[1]	39.5	67.5	102.1
Number of days above NAAQS (>35 μg/m³)	1	19	12

ppm = parts per million; μg/m³ = micrograms per cubic meter; CAAQS = California Ambient Air Quality Standard; NAAQS = National Ambient Air Quality Standard

Note: The ambient air quality data presented in this table is intended to be representative of existing conditions and is not a comprehensive summary of all monitoring efforts for all the CAAQS and NAAQS. Additional ambient air quality data can be accessed at https://www.epa.gov/outdoor-air-quality-data/monitor-values-report.

[1] Data from CARB at the nearest monitoring station with available data, the Compton station approximately 3.1 miles northwest of the project site.

[2] Data from CARB at the nearest monitoring station with available data, the Los Angeles-North Main Street station approximately 11.4 miles northeast of the project site.

Source: CARB 2023g

Sensitive Receptors

Ambient air quality standards have been established to represent the levels of air quality considered sufficient, with a margin of safety, to protect public health and welfare. They are designed to protect that segment of the public most susceptible to respiratory distress, such as children under 14, the elderly over 65, people engaged in strenuous work or exercise, and people with cardiovascular and chronic respiratory diseases. According to the SCAQMD, sensitive receptors include residences, long-term health care facilities, rehabilitation centers, convalescent centers, hospitals, retirement homes, and schools, playgrounds, and childcare centers (SCAQMD 2005).

Sensitive receptors nearest to the site consist of single-family residences approximately 50 feet to the east across South Cahita Avenue; additional single-family residences immediately to the east, south, and west of the site; and the adjacent Church located to the west of the proposed School portion. In addition, the proposed project would include buildout of a public charter school, which would add new sensitive receptors to the project site.

2.2 Impact Analysis

Methodology

Criteria pollutant emissions for project construction and operation were calculated using the California Emissions Estimator Model (CalEEMod), version 2022.1. CalEEMod is a statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutant and GHG emissions associated with both construction and operations from a variety of land use projects. The model was developed for the California Air Pollution Control Officers Association (CAPCOA) in collaboration with the California air districts. CalEEMod allows for the use of default data (e.g., emission factors, trip lengths, meteorology, source inventory) provided by the various California air districts to account for local requirements and conditions, and/or user-defined inputs. The model calculates criteria pollutant emissions of CO, PM_{10}, $PM_{2.5}$, SO_2, ozone precursors (VOC and NO_X), and GHG emissions of carbon dioxide (CO_2), nitrous oxide (N_2O), and methane (CH_4), reported as carbon dioxide equivalent (CO_2e). The calculation methodology and input data used in CalEEMod can be found in the CalEEMod User's Guide Appendices C, D, and G (CAPCOA 2022). The input data and subsequent construction and operation emission estimates for the proposed project are discussed below. CalEEMod output files for the project are included in Appendix A to this report.

Construction Emissions

Construction emissions modeled include emissions generated by construction equipment used on-site and emissions generated by vehicle trips associated with construction, such as worker and vendor trips. Construction input data for CalEEMod include, but are not limited to: (1) the anticipated start and end dates of construction activity; (2) inventories of construction equipment to

be used; (3) areas to be excavated and graded; and (4) volumes of materials to be exported from and imported to the project site. The soil export volume of 340 cubic yards were based on applicant provided information. The construction start and end dates used in the model are June 2024 through June 2025 The construction schedule and construction equipment list were based primarily on CalEEMod defaults. However, the paving and architectural coating phases were adjusted to begin approximately three-quarters of the way through the building construction phase to reflect realistic construction practices and to conservatively model overlapping construction phases. It is assumed that all construction equipment used would be diesel-powered. The analysis assessed maximum daily emissions from individual construction activities, including site preparation, grading, building construction, paving, and architectural coating. Construction equipment emissions estimates are based on surveys of construction projects within California conducted by members of CAPCOA.

The quantity, duration, and the intensity of construction activity influences the amount of construction emissions and their related pollutant concentrations that occur at any one time. The emission forecasts modeled for this report reflect conservative assumptions where a relatively large amount of construction is occurring in a relatively intensive manner. If construction is delayed or occurs over a longer period, daily criteria pollutant emissions could be reduced because of (1) a more modern and cleaner-burning construction equipment fleet mix than assumed in the CalEEMod, and/or (2) a less intensive buildout schedule (i.e., fewer daily emissions occurring over a longer time interval).

In addition, CalEEMod has the capability to calculate reductions in construction emissions from the effects of dust control, diesel-engine classifications, and other selected emissions reduction measures. Emissions calculations assume application of water twice daily during grading in compliance with SCAQMD Rule 403, Fugitive Dust (as detailed in Section 1, *Project Description and Impact Summary*). Based on the standard values in CalEEMod version 2022.1, the PM_{10} and $PM_{2.5}$ reduction for watering two times per day is 61 percent. In addition, the VOC content of indoor and outdoor architectural coatings was set to 50 grams per liter consistent with the requirements of SCAQMD Rule 1113.

Operational Emissions

Operational sources of criteria pollutant emissions include mobile source emissions (i.e., vehicle emissions), energy emissions, and area source emissions. Mobile source emissions consist of emissions generated by residents to and from the project site. The trip generation rates and vehicle miles traveled (VMT) estimates from the Transportation Impact Analysis prepared by the Linscott Law & Greenspan Engineers (LLG 2022) were used to estimate mobile source emissions. According to the results of the Transportation Impact Analysis, the project would result in a net increase of 967 daily vehicle trips. CalEEMod trip generation defaults were adjusted to be consistent with the results of the Transportation Impact Analysis. Emissions attributed to energy use include emissions from natural gas consumption for space and water heating and cooking. Area source emissions are generated by landscape maintenance equipment, consumer products, and architectural coatings.

Significance Thresholds

To determine whether a project would result in a significant impact to air quality, Appendix G of the CEQA Guidelines requires consideration of whether a project would:

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

Regional Significance Thresholds

The SCAQMD recommends quantitative regional significance thresholds for temporary construction activities and long-term project operation in the SCAB, shown in Table 4, are used to evaluate a project's potential air quality impacts.

Table 4 SCAQMD Regional Significance Thresholds

Pollutant	Construction (pounds per day)	Operation (pounds per day)
NO_x	100	55
VOC	75	55
PM_{10}	150	150
$PM_{2.5}$	55	55
SO_x	150	150
CO	550	550

NO_x = Nitrogen Oxides; VOC = Volatile Organic Compounds; PM_{10} = Particulate Matter with a diameter no more than 10 microns; $PM_{2.5}$ = Particulate Matter with a diameter no more than 2.5 microns; SO_x = Sulfur Oxide; CO = Carbon Monoxide

Source: SCAQMD 2023

Localized Significance Thresholds

In addition to the above regional thresholds, the SCAQMD has developed Localized Significance Thresholds (LSTs) in response to the Governing Board's Environmental Justice Enhancement Initiative (1-4), which was prepared to update the *CEQA Air Quality Handbook* (1993). LSTs were devised in response to concern regarding exposure of individuals to criteria pollutants in local communities and have been developed for NO_X, CO, PM_{10}, and $PM_{2.5}$. LSTs represent the maximum emissions from a project that will not cause or contribute to an air quality exceedance of the most stringent applicable federal or State ambient air quality standard at the nearest sensitive receptor, taking into consideration ambient concentrations in each source receptor area (SRA), distance to the sensitive receptor, and project size. LSTs have been developed for emissions generated in construction areas up to five acres in size. However, LSTs only apply to emissions in a fixed stationary location and are not applicable to mobile sources, such as cars on a roadway (SCAQMD 2008a).

LSTs have been developed for emissions generated by construction sites up to five acres in size. The project site is located in SRA 12 (South Central Los Angeles County) and is approximately 2.2 acres in size. The SCAQMD provides lookup tables for sites that measure up to one, two, or five acres.

Pursuant to SCAQMD guidance, the two-acre LSTs were utilized for this analysis (SCAQMD 2008a). LSTs are provided for receptors at a distance of 25 to 500 meters (82 to 1,640 feet) from the project site boundary. The closest sensitive receptors to the project site consist of single-family residences approximately 50 feet to the east across South Cahita Avenue; additional single-family residences immediately to the east, south, and west of the site; and the adjacent Church located to the west of the School portion; therefore, per SCAQMD guidance, LSTs for receptors at a distance of 25 meters were utilized (SCAQMD 2008a). LSTs for construction and operation on a two-acre site in SRA 12 for a receptor at 25 meters are shown in Table 5.

Table 5 SCAQMD LSTs for Construction and Operation

	Allowable Emissions for a Two-Acre Site in SRA-12 for a Receptor 25 Feet Away (pounds per day)	
Pollutant	**Construction**	**Operation**
Gradual conversion of NO_X to NO_2	36[1]	36[1]
CO	346	346
PM_{10}	7	2
$PM_{2.5}$	3[2]	1[2]

NO_x = Nitrogen Oxides; NO_2 = Nitrogen Dioxide; CO = Carbon Monoxide; PM_{10} = Particulate Matter with a diameter no more than 10 microns; $PM_{2.5}$ = Particulate Matter with a diameter no more than 2.5 microns

[1]The screening criteria for NOx were developed based on the 1-hour NO_2 CAAQS of 0.18 ppm. Subsequently to publication of the SCAQMD's guidance the USEPA has promulgated a 1-hour NO_2 NAAQS of 0.100 ppm. This is based on a 98th percentile value, which is more stringent than the CAAQS. Because SCAQMD's LSTs have not been updated to address this new standard, to determine if project emissions would result in an exceedance of the 1-hour NO_2 NAAQS, an approximated LST was estimated to evaluate the federal 1-hour NO_2 standard. The revised LST threshold is calculated by scaling the NO_2 LST for by the ratio of 1-hour NO_2 standards (federal/state) (i.e., 65 lbs./day * (0.10/0.18) =36.1 lbs./day).

[2]The screening criteria for $PM_{2.5}$ were developed based on an Annual CAAQS of 15 mg/m^3. Subsequently to publication of the SCAQMD's guidance the annual standard was reduced to 12 mg/m^3. Because SCAQMD's LSTs have not been updated to address this new standard, to determine if project emissions would result in an exceedance of the annual $PM_{2.5}$ CAAQS, an approximated LST was estimated. The revised LST threshold is calculated by scaling the $PM_{2.5}$ LST for by the ratio of 24-hour $PM_{2.5}$ standards (federal/state) (i.e., 4 and 1 lbs./day * (12/15) =3.2 and 0.8 lbs./day).

Source: SCAQMD 2009

Project Impacts

Threshold 1	Would the project conflict with or obstruct implementation of the applicable air quality plan?

Impact AQ-1 THE PROJECT WOULD ADD NEW JOB OPPORTUNITIES TO THE COUNTY. HOWEVER, THE PROJECT WOULD NOT DIRECTLY INCREASE THE COUNTY'S POPULATION AS THE PROJECT DOES NOT PROPOSE NEW HOUSING AND IS INTENDED AS AN EDUCATIONAL USE. IN ADDITION, THE PROJECT WOULD NOT GENERATE EMISSIONS IN EXCESS OF SCAQMD THRESHOLDS. THEREFORE, THE PROJECT WOULD BE CONSISTENT WITH THE UNDERLYING ASSUMPTIONS OF THE EMISSIONS FORECASTS CONTAINED IN THE AQMP AND WOULD NOT CONFLICT WITH THE AQMP. NO IMPACT WOULD OCCUR.

A project may be inconsistent with the AQMP if it would generate population, housing, or employment growth exceeding forecasts used in the development of the AQMP. The 2022 AQMP, the most recent AQMP adopted by the SCAQMD, incorporates local county general plans and the

SCAG's 2020-2045 RTP/SCS, "Connect SoCal", socioeconomic forecast projections of regional population, housing, and employment growth. SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties, and addresses regional issues relating to transportation, economy, community development, and environment.

The growth forecasts in SCAG's Connect SoCal estimate that the population of the unincorporated County will be 1,258,000 in 2045, an increase of 213,500 people from a population of 1,044,500 in 2016. The proposed project would involve the development of a public charter school for a maximum enrollment of 600 students and 45 staff members, including the repurpose and remodel of the existing one-story building to accommodate administrative offices and a multi-purpose room, the installment of a shade structure on the eastern side of the existing building, and the new construction of a two-story, 33,769-square-foot classroom building consisting of 26 classrooms (ranging from 728 to 750 square feet in size) and four laboratories (779 square feet each), with a student and staff restroom on each floor. The proposed project would not directly increase the County's population because no new housing is proposed, and the purpose of this facility is for educational use.

As shown in Table 6 and Table 7 under Impact AQ-2, the project would not generate criteria pollutant emissions in excess of SCAQMD thresholds for ozone precursors (VOC and NO_X) or $PM_{2.5}$. The project would be consistent with the AQMP and would not conflict with or obstruct the applicable air quality plan. Therefore, no impacts would occur.

Threshold 2	Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard?

Impact AQ-2 THE PROPOSED PROJECT WOULD GENERATE TEMPORARY EMISSIONS OF CRITERIA AIR POLLUTANTS DURING CONSTRUCTION. CONSTRUCTION-RELATED EMISSIONS ASSOCIATED WITH THE PROPOSED PROJECT WOULD NOT EXCEED THE SCAQMD REGIONAL THRESHOLDS. IN ADDITION, OPERATION OF THE PROPOSED PROJECT WOULD NOT RESULT IN EMISSIONS OF CRITERIA POLLUTANTS THAT WOULD EXCEED SCAQMD REGIONAL THRESHOLDS. THEREFORE, THE PROJECT WOULD NOT RESULT IN A CUMULATIVELY CONSIDERABLE INCREASE OF ANY CRITERIA POLLUTANTS, AND IMPACTS WOULD BE LESS THAN SIGNIFICANT.

As discussed in Section 2.1, *Environmental and Regulatory Setting*, the Los Angeles County portion of the SCAB is designated nonattainment for the NAAQS for ozone, $PM_{2.5}$, and lead, as well as the CAAQS for ozone, PM_{10}, and $PM_{2.5}$. The proposed project does not include any stationary sources of lead emissions. Therefore, implementation of the project would not result in substantial emissions of lead and this pollutant is not discussed further in this analysis. The discussion below assesses potential air quality impacts related to construction and operational emissions of criteria air pollutants for which the SCAB is in non-attainment, including ozone, PM_{10}, and $PM_{2.5}$.

Construction Impacts

The estimated maximum daily emissions of pollutants associated with construction of the proposed project are summarized in Table 6. As shown below, emissions of VOC, NO_X, CO, SO_2, PM_{10}, and $PM_{2.5}$ would not exceed SCAQMD regional thresholds. Because air pollutant emissions generated by project construction would not exceed SCAQMD's regional significance thresholds and would comply with RCM-1 and RCM-3 through RCM-5, project construction would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment, and impacts would be less than significant.

Table 6 Project Construction Emissions

	Maximum Emissions (lbs/day)					
Year	**VOC**	**NO_x**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
2024	2	17	16	<1	4	2
2025	14	18	25	<1	2	1
Maximum Daily Construction Emissions	**14**	**23**	**30**	**<1**	**4**	**2**
SCAQMD Regional Thresholds	75	100	550	150	150	55
Threshold Exceeded?	No	No	No	No	No	No

VOC = volatile organic compounds; NO_x = Nitrogen oxides; NO_2 = Nitrogen dioxide; CO = carbon monoxide; PM_{10} = particulate matter measuring 10 microns in diameter or less; $PM_{2.5}$ = particulate matter measuring 2.5 microns in diameter or less

Notes: All emissions modeling was completed using CalEEMod. See Appendix A for modeling results. Some numbers may not add up due to rounding. Emission data is pulled from "mitigated" results, which account for compliance with regulatory compliance measures. Emissions presented are the highest of the winter and summer modeled emissions.

Operational Impacts

Table 7 summarizes the project's operational emissions by emission source. The majority of project-related operational emissions would result from vehicle trips to and from the site. As shown in Table 7, operational criteria pollutant emissions would not exceed SCAQMD regional thresholds for criteria pollutants. Therefore, project operation would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment, and impacts would be less than significant.

Table 7 Project Operational Emissions

	Maximum Daily Emissions (lbs./day)					
Emission Source	**VOC**	**NO_X**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
Area	2	<1	3	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Mobile	3	3	31	<1	7	2
Total Project Emissions	**6**	**3**	**35**	**<1**	**7**	**2**
SCAQMD Regional Thresholds	55	55	550	150	150	55
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

VOC = volatile organic compounds; NO_x = Nitrogen oxides; NO_2 = Nitrogen dioxide; CO = carbon monoxide; PM_{10} = particulate matter measuring 10 microns in diameter or less; $PM_{2.5}$ = particulate matter measuring 2.5 microns in diameter or less

Notes: All emissions modeling was completed using CalEEMod. See Appendix A for modeling results. Some numbers may not add up due to rounding. Emission data is pulled from "mitigated" results that include compliance with regulatory compliance measures. Emissions presented are the highest of the winter and summer modeled emissions.

Threshold 3	Would the project expose sensitive receptors to substantial pollutant concentrations?

Impact AQ-3 CONSTRUCTION AND OPERATION OF THE PROPOSED PROJECT WOULD NOT EXCEED SCAQMD LST THRESHOLDS AND WOULD NOT EXPOSE SENSITIVE RECEPTORS TO SUBSTANTIAL CONCENTRATIONS OF CARBON MONOXIDE. WITH THE INCORPORATION OF MITIGATION MEASURE AQ-1, TAC EMISSIONS WOULD NOT BE SUBSTANTIAL TO SENSITIVE RECEPTORS. IMPACTS WOULD BE LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED.

Localized Carbon Monoxide Hotspot Impact

A CO hotspot is a localized concentration of CO that is above a CO ambient air quality standard. Localized CO hotspots can occur at intersections with heavy peak hour traffic. Specifically, hotspots can be created at intersections where traffic levels are sufficiently high such that the local CO concentration exceeds the NAAQS one-hour standard of 35 ppm, the CAAQS one-hour standard of 20 ppm, or the NAAQS and CAAQS eight-hour standard of 9 ppm (CARB 2016).

The SCAQMD conducted a detailed carbon monoxide analysis for the SCAB during the preparation of the 2003 AQMP. The locations selected for microscale modeling in the 2003 AQMP included high average daily traffic (ADT) intersections in the SCAB that would be expected to experience the highest carbon monoxide concentrations. The highest carbon monoxide concentration observed was at the intersection of Wilshire Boulevard and Veteran Avenue on the west side of Los Angeles near Interstate 405 (I-405), which had an ADT of approximately 100,000 vehicles per day. The one-hour concentration of carbon monoxide at this intersection was 4.6 ppm, which is well below the one-hour NAAQS of 35 ppm and the one-hour CAAQS of 20 ppm. Furthermore, the SCAB has been in attainment of the carbon monoxide NAAQS and CAAQS since 2007 (SCAQMD 2016).

SCAQMD monitoring station in SRA 12 (South Central LA County) reports CO emissions data and reports maximum one-hour and eight-hour CO concentrations. In 2021, the monitoring station reported maximum one-hour and eight-hour concentrations of 4.3 ppm and 3.7 ppm, respectively (SCAQMD 2023b). These are well below the respective one-hour and eight-hour standards of 20 ppm and 9 ppm. Given the ambient concentrations, which include mobile as well as stationary sources, a project in the SCAB would need to emit concentrations five times the hourly maximum ambient emissions for all sources near the South Central LA County station before project emissions would exceed the one-hour standard. Additionally, the project would need to emit three times the daily average for ambient concentrations near the monitoring station within eight hours to exceed the eight-hour standard. Typical development projects would not emit the levels of CO necessary to result in a localized hot spot. Therefore, the project would not expose sensitive receptors to substantial concentrations of CO, and no impact would occur.

Localized Significance Thresholds

The *Final LST Methodology* was developed to be used as a tool to analyze localized impacts associated with project-specific level proposed projects. If the calculated emissions for the proposed construction or operational activities are below the LST emission levels found on the LST mass rate look-up tables (Appendix C of *Final LST Methodology;* SCAQMD 2009) and no potentially significant impacts are found to be associated with other environmental issues, then the proposed construction or operation activity is not significant for air quality. The project analysis assumes the main construction and operational activity would be adjacent to single-family residences. Following SCAQMD methodology, the allowable emission for project utilizes the two-acre site with 25 meter

receptor distance, and the project is in SRA 12 (South Central LA County). Table 8 summarizes the project's maximum localized daily construction emissions from the proposed project. As shown therein, localized construction emissions would not exceed SCAQMD LSTs.

Table 8 Project LST Construction and Operational Emissions

	Pollutant (lbs./day)			
Year	**NO_X**	**CO**	**PM_{10}**	**$PM_{2.5}$**
Maximum Construction Onsite Emissions	18	21	4	2
SCAQMD LST	36	346	7	3
Threshold Exceeded?	**No**	**No**	**No**	**No**
Maximum Operational Onsite Emissions	<1	4	<1	<1
SCAQMD LST	36	346	2	1
Threshold Exceeded?	**No**	**No**	**No**	**No**

lbs/day = pounds per day; VOC = volatile organic compounds; NO_x = nitrogen oxide; CO = carbon monoxide; PM_{10} = particulate matter with a diameter no more than 10 microns; $PM_{2.5}$ = particulate matter with a diameter no more than 2.5 microns; SO_x = sulfur oxide

Notes: Some numbers may not add up precisely due to rounding considerations. Maximum onsite emissions are the highest emissions that would occur on the project site from onsite sources, such as heavy construction equipment and architectural coatings, and excludes off-site emissions from sources such as construction worker vehicle trips and haul truck trips.

Source: CalEEMod worksheets in Appendix A, see Table 3.1 – 3.12 "Construction Emission Details" emissions. Highest of Summer and Winter emissions results are shown for all emissions. The mitigated emissions account for project sustainability features and/or compliance with specific regulatory standards.

Toxic Air Contaminants

TACs are defined by California law as air pollutants that may cause or contribute to an increase in mortality or an increase in serious illness, or which may pose a present or potential hazard to human health. The following subsections discuss the project's potential to result in impacts related to TAC emissions during construction and operation.

Construction

Construction-related activities would result in temporary project-generated DPM exhaust emissions from off-road, heavy-duty diesel equipment for site preparation, grading, building construction, and other construction activities. Generation of DPM, which was identified as a TAC by CARB in 1998, from construction projects typically occurs in a single area for a short period. The proposed project's construction would occur in phases over approximately 13 months with sensitive receptors adjacent to the project site. The dose to which the receptors are exposed is the primary factor used to determine health risk. Dose is a function of the concentration of a substance or substances in the environment and the extent of exposure that person has to the substance. Dose is positively correlated with time, and a more extended exposure period would result in a higher exposure level for the maximally exposed individual. The risks estimated for a Maximally Exposed Individual are higher if a fixed exposure occurs over a more extended period.

The proposed project would be consistent with the applicable AQMP requirements and control strategies intended to reduce emissions from construction equipment and activities. The proposed project would comply with the CARB Air Toxics Control Measure that limits diesel powered equipment and vehicle idling to no more than five minutes at a location, and the CARB In-Use Off-Road Diesel Vehicle Regulation; compliance with these would minimize emissions of TACs during

construction. However, given the construction area's proximity to nearby sensitive receptors on-site particulate matter emissions during grading and site preparation could result in potentially significant TAC emissions. Therefore, the applicant would be required to implement Mitigation Measure AQ-1 for incorporation of construction measures such as use of Tier 4 engines.

AQ-1 Construction Emissions Reduction

Prior to issuance of grading permits, the County shall confirm that the grading plan, building plans, and specifications stipulate that the following measures shall be implemented:

- All mobile off-road equipment (wheeled or tracked) used during construction activities shall meet the USEPA Tier 4 final standards. Tier 4 certification can be for the original equipment or equipment that is retrofitted to meet the Tier 4 Final standards.
- Alternative fuel (natural gas, propane, electric, etc.) construction equipment shall be incorporated where available. These requirements shall be incorporated into the contract agreement with the construction contractor. A copy of the equipment's certification or model year specifications shall be available upon request for all equipment on-site.
- Electricity shall be supplied to the site from the existing power grid to support the electric construction equipment. If connection to the grid is determined to be infeasible for portions of the project, a non-diesel fueled generator shall be used.
- The project shall comply with the CARB Air Toxics Control Measure that limits diesel powered equipment and vehicle idling to no more than five minutes at a location, and the CARB In-Use Off-Road Diesel Vehicle Regulation; compliance with these would minimize emissions of TACs during construction.

TAC Emissions After Recommendations

With incorporation of recommendations, the project would reduce DPM emissions by approximately 81 to 96 percent as compared to standard CalEEMod assumptions for engine tier. With these reductions, toxic air contaminant concentrations at sensitive receptors would not be substantial, and construction-related health impacts would be less than significant.

Operation

CARB's *Air Quality and Land Use Handbook: A Community Health Perspective* (2005) provides recommended buffer distances between sensitive land uses and potential sources of air toxic emissions (e.g., freeways, distribution centers, rail yards, ports, refineries, chrome plating facilities, dry cleaners, and gasoline dispensing facilities). The project would not be located within the recommended siting distances for prominent TAC sources identified above. In addition, education land uses are not considered land uses that generate substantial TAC emissions based on reviewing the air toxic sources listed in CARB's guidelines. Therefore, the expected hazardous TACs generated on-site (e.g., cleaning solvents, paints, landscape pesticides, etc.) for the proposed land uses would be below thresholds warranting further study under the California Accidental Release Program. The project would not expose off-site sensitive receptors to significant amounts of carcinogenic or toxic air contaminants. Therefore, impacts associated with operational TACs would be less than significant.

Threshold 4	Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Impact AQ-4 CONSTRUCTION AND OPERATION OF THE PROPOSED PROJECT WOULD NOT RESULT IN EMISSIONS LEADING TO ODORS THAT WOULD ADVERSELY AFFECT A SUBSTANTIAL NUMBER OF PEOPLE AND THERE WOULD BE NO IMPACT.

The project would generate oil or diesel fuel odors during construction from equipment operations. These odors would be limited to the temporary construction period and would dissipate rapidly with distance. With respect to odors generated by project operation, the SCAQMD's *CEQA Air Quality Handbook* (1993) identifies land uses associated with odor complaints to be agricultural uses, wastewater treatment plants, chemical and food processing plants, composting, refineries, landfills, dairies, and fiberglass molding. Educational uses are not identified on this list. In addition, the project would be required to comply with SCAQMD Rule 402, which prohibits the discharge of air contaminants that would cause injury, detriment, nuisance, or annoyance to the public. Therefore, the proposed project would not generate other emissions, such as those leading to odors, affecting a substantial number of people. There would be no impact.

3 Greenhouse Gas Emissions

3.1 Background

This section analyzes GHG emissions associated with the project and potential impacts related to climate change.

Climate Change and Greenhouse Gases

Gases that absorb and re-emit infrared radiation in the atmosphere are called GHGs. The gases that are widely seen as the principal contributors to human-induced climate change include carbon dioxide (CO_2), methane (CH_4), nitrous oxides (N_2O), fluorinated gases such as hydrofluorocarbons (HFCs) and perfluorocarbons (PFCs), and sulfur hexafluoride (SF_6). Water vapor is excluded from the list of GHGs because it is short-lived in the atmosphere and its atmospheric concentrations are largely determined by natural processes, such as oceanic evaporation.

Different types of GHGs have varying global warming potentials (GWP). The GWP of a GHG is the potential of a gas or aerosol to trap heat in the atmosphere over a specified timescale (generally, 100 years). Because GHGs absorb different amounts of heat, a common reference gas (CO_2) is used to relate the amount of heat absorbed to the amount of the gas emitted, referred to as "carbon dioxide equivalent" (CO_2e), which is the amount of GHG emitted multiplied by its GWP. Carbon dioxide has a 100-year GWP of one. By contrast, methane has a GWP of 30, meaning its global warming effect is 30 times greater than CO_2 on a molecule per molecule basis (Intergovernmental Panel on Climate Change [IPCC] 2021).[2]

GHGs are emitted by natural processes and human activities. Of these gases, CO_2 and CH_4 are emitted in the greatest quantities from human activities. Emissions of CO_2 are usually by-products of fossil fuel combustion, and CH_4 results from off-gassing associated with agricultural practices and landfills. Human-made GHGs, many of which have greater heat-absorption potential than CO_2, include fluorinated gases and SF_6 (USEPA 2022b).

Climate change is the observed increase in the average temperature of the Earth's atmosphere and oceans along with other substantial changes in climate (such as wind patterns, precipitation, and storms) over an extended period. The term "climate change" is often used interchangeably with the term "global warming," but climate change is preferred because it conveys that other changes are happening in addition to rising temperatures. The baseline against which these changes are measured originates in historical records that identify temperature changes that occurred in the past, such as during previous ice ages. The global climate is changing continuously, as evidenced in the geologic record which indicates repeated episodes of substantial warming and cooling. The rate of change has typically been incremental, with warming or cooling trends occurring over the course of thousands of years. The past 10,000 years have been marked by a period of incremental warming, as glaciers have steadily retreated across the globe. However, scientists have observed acceleration in the rate of warming over the past 150 years. The IPCC expressed that the rise and continued growth of atmospheric CO_2 concentrations is unequivocally due to human activities in the IPCC's Sixth Assessment Report (2021). Human influence has warmed the atmosphere, ocean, and

[2] The Intergovernmental Panel on Climate Change's (2021) *Sixth Assessment Report* determined that methane has a GWP of 30. However, the 2017 Climate Change Scoping Plan published by the California Air Resources Board uses a GWP of 25 for methane, consistent with the Intergovernmental Panel on Climate Change's (2007) *Fourth Assessment Report*. Therefore, this analysis utilizes a GWP of 25.

land, which has led the climate to warm at an unprecedented rate in the last 2,000 years. It is estimated that between the period of 1850 through 2019, that a total of 2,390 gigatonnes of anthropogenic CO_2 was emitted. It is likely that anthropogenic activities have increased the global surface temperature by approximately 1.07 degrees Celsius between the years 2010 through 2019 (IPCC 2021).

Greenhouse Gas Emissions Inventory

Global Emissions Inventory

In 2015, worldwide anthropogenic GHG emissions totaled 47,000 million metric ton (MT) of CO_2e, which is a 43 percent increase from 1990 GHG levels. Specifically, 34,522 MT of CO_2e of CO_2, 8,241 MT of CO_2e of CH_4, 2,997 MT of CO_2e of N_2O, and 1,001 MT of CO_2e of fluorinated gases were emitted in 2015. The largest source of GHG emissions were energy production and use (includes fuels used by vehicles and buildings), which accounted for 75 percent of the global GHG emissions. Agriculture uses and industrial processes contributed 12 percent and six percent, respectively. Waste sources contributed three percent. These sources account for approximately 96 percent (USEPA 2023h).

United States Emissions Inventory

U.S. GHG emissions were 6,347.7 MMT of CO_2e in 2021 or 5,593.5 MMT CO_2e after accounting for sequestration. Emissions increased by 6.8 percent from 2020 to 2021. The increase from 2020 to 2021 reflects the was driven by an increase in CO_2 emissions from fossil fuel combustion which increased 7 percent relative to previous years and is primarily due to the economic rebounding after the COVID-19 Pandemic. In 2020, the energy sector (including transportation) accounted for 81 percent of nationwide GHG emissions while agriculture, industrial and waste accounted for approximately 10 percent, 6 percent and 3 percent respectively. (USEPA 2023i).

California Emissions Inventory

Based on CARB California Greenhouse Gas Inventory for 2000-2020, California produced 369.2 MT of CO_2e in 2020, which is 35.3 MT of CO_2e lower than 2019 levels. The 2019 to 2020 decrease in emissions is likely due in large part to the impacts of the COVID-19 pandemic. The major source of GHG emissions in California is the transportation sector, which comprises 37 percent of the state's total GHG emissions. The industrial sector is the second largest source, comprising 20 percent of the state's GHG emissions while electric power accounts for approximately 16 percent (CARB 2022b). The magnitude of California's total GHG emissions is due in part to its large size and large population compared to other states. However, a factor that reduces California's per capita fuel use and GHG emissions as compared to other states is its relatively mild climate. In 2016, the state of California achieved its 2020 GHG emission reduction target of reducing emissions to 1990 levels as emissions fell below 431 MT of CO_2e. The annual 2030 statewide target emissions level is 260 MT of CO_2e (CARB 2017).).

Potential Effects of Climate Change

Globally, climate change has the potential to affect numerous environmental resources though potential impacts related to future air temperatures and precipitation patterns. Scientific modeling predicts that continued GHG emissions at or above current rates would induce more extreme climate changes during the 21st century than were observed during the 20th century The year 2022

was the sixth warmest year since global records began in 1880 at 0.86°C (1.55°F) above the 20th century average of 13.9°C (57.0°F). This value is 0.13°C (0.23°F) less than the record set in 2016 and it is only 0.02°C (0.04°F) higher than the last year's (2021) value, which now ranks as the seventh highest (National Oceanic and Atmospheric Administration 2023). Furthermore, several independently analyzed data records of global and regional Land-Surface Air Temperature (LSAT) obtained from station observations are in agreement that LSAT as well as sea surface temperatures have increased. Due to past and current activities, anthropogenic GHG emissions are increasing global mean surface temperature at a rate of 0.2°C per decade. In addition to these findings, there are identifiable signs that global warming is currently taking place, including substantial ice loss in the Arctic over the past two decades (IPCC 2014a and 2018).

Potential impacts of climate change in California may include reduced water supply from snowpack, sea level rise, more extreme heat days per year, more large forest fires, and more drought years. *California's Fourth Climate Change Assessment* (California Natural Resource Agency 2019) includes regional reports that summarize climate impacts and adaptation solutions for nine regions of the state and regionally specific climate change case studies. However, while there is growing scientific consensus about the possible effects of climate change at a global and statewide level, current scientific modeling tools are unable to predict what local impacts may occur with a similar degree of accuracy. A summary follows of some of the potential effects that climate change could generate in California.

Air Quality

Scientists project that the annual average maximum daily temperatures in California could rise by 2.4 to 3.2°C in the next 50 years and by 3.1 to 4.9°C in the next century. Higher temperatures are conducive to air pollution formation and rising temperatures could therefore result in worsened air quality in California. As a result, climate change may increase the concentration of ground-level ozone, but the magnitude of the effect, and therefore its indirect effects, are uncertain. In addition, as temperatures have increased in recent years, the area burned by wildfires throughout the state has increased, and wildfires have occurred at higher elevations in the Sierra Nevada Mountains (California Natural Resource Agency 2019). If higher temperatures continue to be accompanied by an increase in the incidence and extent of large wildfires, air quality could worsen. Severe heat accompanied by drier conditions and poor air quality could increase the number of heat-related deaths, illnesses, and asthma attacks throughout the state. With increasing temperatures, shifting weather patterns, longer dry seasons, and more dry fuel loads, the frequency of large wildfires and area burned is expected to increase (California Natural Resources Agency 2021).

Water Supply

Analysis of paleoclimatic data (such as tree-ring reconstructions of stream flow and precipitation) indicates a history of naturally and widely varying hydrologic conditions in California and the west, including a pattern of recurring and extended droughts. Year-to-year variability in statewide precipitation levels has increased since 1980, meaning that wet and dry precipitation extremes have become more common (California Department of Water Resources 2018). This uncertainty regarding future precipitation trends complicates the analysis of future water demand, especially where the relationship between climate change and its potential effect on water demand is not well understood. However, the average early spring snowpack in the western United States, including the Sierra Nevada Mountains, decreased by about 10 percent during the last century. During the same period, sea level rose over 0.15 meter along the central and southern California coasts. The

Sierra snowpack provides the majority of California's water supply as snow that accumulates during wet winters is released slowly during the dry months of spring and summer. A warmer climate is predicted to reduce the fraction of precipitation that falls as snow and the amount of snowfall at lower elevations, thereby reducing the total snowpack. Projections indicate that average spring snowpack in the Sierra Nevada and other mountain catchments in central and northern California will decline by approximately 66 percent from its historical average by 2050 (California Natural Resource Agency 2019).

Hydrology and Sea Level Rise

Climate change could potentially affect the intensity and frequency of storms and flooding. Furthermore, climate change has the potential to induce substantial sea level rise in the coming century (California Natural Resource Agency 2019). The rising sea level increases the likelihood and risk of flooding. The rate of increase of global mean sea levels between 1993 to 2022, observed by satellites, is approximately 3.4 millimeters per year, double the twentieth century trend of 1.6 millimeters per year (World Meteorological Organization 2013; National Aeronautics and Space Administration 2023). Global mean sea levels in 2013 were about 0.23 meter higher than those of 1880 (National Aeronautics and Space Administration 2022). Sea levels are rising faster now than in the previous two millennia, and the rise is expected to accelerate, even with robust GHG emission control measures. The most recent IPCC report predicts a mean sea level rise ranging between 0.25 to 1.01 meters by 2100 with the sea level ranges dependent on a low, intermediate, or high GHG emissions scenario (IPCC 2021). A rise in sea levels could completely erode 31 to 67 percent of southern California beaches, result in flooding of approximately 370 miles of coastal highways during 100-year storm events, jeopardize California's water supply due to saltwater intrusion, and induce groundwater flooding and/or exposure of buried infrastructure (California Natural Resource Agency 2019). In addition, increased CO_2 emissions can cause oceans to acidify due to the carbonic acid it forms. Increased storm intensity and frequency could affect the ability of flood-control facilities, including levees, to handle storm events.

Agriculture

California has an over $51 billion annual agricultural industry that produces over a third of the country's vegetables and two-thirds of the country's fruits and nuts (California Department of Food and Agriculture 2022). Higher CO_2 levels can stimulate plant production and increase plant water-use efficiency. However, if temperatures rise and drier conditions prevail, certain regions of agricultural production could experience water shortages of up to 16 percent; water demand could increase as hotter conditions lead to the loss of soil moisture; crop-yield could be threatened by water-induced stress and extreme heat waves; and plants may be susceptible to new and changing pest and disease outbreaks (California Natural Resource Agency 2019). In addition, temperature increases could change the time of year certain crops, such as wine grapes, bloom or ripen, and thereby affect their quality (California Climate Change Center 2006). More frequent droughts could substantially decrease groundwater recharge and therefore adversely affect agricultural operations that use groundwater from local wells (California Natural Resource Agency 2019). This could contribute to higher food prices and shortages.

Ecosystems and Wildlife

Climate change and the potential resultant changes in weather patterns could have ecological effects on the global and local scales. Soil moisture is likely to decline in many regions due to higher

temperatures, and intense rainstorms are likely to become more frequent. Rising temperatures could have four major impacts on plants and animals: timing of ecological events; geographic distribution and range of species; species composition and the incidence of nonnative species within communities; and ecosystem processes, such as carbon cycling and storage (Parmesan 2006; California Natural Resource Agency 2019).

Regulatory Setting

Federal Regulations

FEDERAL CLEAN AIR ACT

The U.S. Supreme Court in *Massachusetts et al. v. Environmental Protection Agency et al*. ([2007] 549 U.S. 497) held that the USEPA has the authority to regulate motor-vehicle GHG emissions under the federal Clean Air Act. The USEPA issued a Final Rule for mandatory reporting of GHG emissions in October 2009. This Final Rule applies to fossil fuel suppliers, industrial gas suppliers, direct GHG emitters, and manufacturers of heavy-duty and off-road vehicles and vehicle engines and requires annual reporting of emissions. In 2012, the USEPA issued a Final Rule that establishes the GHG permitting thresholds that determine when Clean Air Act permits under the New Source Review Prevention of Significant Deterioration (PSD) and Title V Operating Permit programs are required for new and existing industrial facilities.

In *Utility Air Regulatory Group v. Environmental Protection Agency* (134 Supreme Court 2427 [2014]), the U.S. Supreme Court held the USEPA may not treat GHGs as an air pollutant for purposes of determining whether a source can be considered a major source required to obtain a PSD or Title V permit. The Court also held that PSD permits otherwise required based on emissions of other pollutants may continue to require limitations on GHG emissions based on the application of Best Available Control Technology.

California Regulations

CARB is responsible for the coordination and oversight of state and local air pollution control programs in California. California has numerous regulations aimed at reducing the state's GHG emissions. These initiatives are summarized below.

CALIFORNIA GLOBAL WARMING SOLUTIONS ACT OF 2006 (ASSEMBLY BILL 32 AND SENATE BILL 32)

The "California Global Warming Solutions Act of 2006," Assembly Bill (AB) 32, outlines California's major legislative initiative for reducing GHG emissions. AB 32 codifies the statewide goal of reducing GHG emissions to 1990 levels by 2020 and requires CARB to prepare a Scoping Plan that outlines the main state strategies for reducing GHG emissions to meet the 2020 target. In addition, AB 32 requires CARB to adopt regulations to require reporting and verification of statewide GHG emissions. Based on this guidance, CARB approved a 1990 statewide GHG level and 2020 target of 431 MMT of CO_2e. On December 11, 2008, CARB approved the Climate Change Scoping Plan, which included measures to address GHG emission reduction strategies related to energy efficiency, water use, and recycling and solid waste, among other sectors (CARB 2008). Many of the GHG emission reduction measures included in the Scoping Plan (e.g., Low Carbon Fuel Standard and Cap-and-Trade) have been adopted since the plan's approval.

CARB approved the 2013 Scoping Plan Update in May 2014. The update defined CARB's climate change priorities for the next five years and set the groundwork to reach post-2020 statewide goals.

The update highlighted California's progress toward meeting the "near-term" 2020 GHG emission reduction goals defined in the original Scoping Plan. It also evaluated how to align the state's longer term GHG reduction strategies with other state policy priorities, including those for water, waste, natural resources, clean energy, transportation, and land use (CARB 2014).

On September 8, 2016, the governor signed Senate Bill (SB) 32 into law, extending the California Global Warming Solutions Act of 2006 by requiring the state to further reduce GHG emissions to 40 percent below 1990 levels by 2030 (the other provisions of AB 32 remain unchanged). On December 14, 2017, CARB adopted the 2017 Scoping Plan, which provides a framework for achieving the 2030 target. The 2017 Scoping Plan relies on the continuation and expansion of existing policies and regulations, such as the Cap-and-Trade Program, and implementation of recently adopted policies and legislation, such as SB 1383 (detailed below). The 2017 Scoping Plan also puts an increased emphasis on innovation, adoption of existing technology, and strategic investment to support its strategies. As with the 2013 Scoping Plan Update, the 2017 Scoping Plan does not provide project-level thresholds for land use development. Instead, it recommends that local governments adopt policies and locally appropriate quantitative thresholds consistent with statewide per capita goals of six metric tons (MT) of CO_2e by 2030 and two MT of CO_2e by 2050 (CARB 2017). As stated in the 2017 Scoping Plan, these goals may be appropriate for plan-level analyses (city, county, sub-regional, or regional level), but not for specific individual projects because they include all emissions sectors in the state (CARB 2017).

2022 Update to the Climate Change Scoping Plan

AB 1279, "The California Climate Crisis Act," was passed on September 16, 2022, and declares the State would achieve net zero GHG emissions as soon as possible, but no later than 2045, and to achieve and maintain net negative GHG emissions thereafter. In addition, the bill states that the State would reduce GHG emissions by 85 percent below 1990 levels no later than 2045. In response to the passage of AB 1279 and the identification of the 2045 GHG reduction target, CARB published the Final 2022 Climate Change Scoping Plan in November 2022 (CARB 2022c). The 2022 Update builds upon the framework established by the 2008 Climate Change Scoping Plan and previous updates while identifying new, technologically feasible, cost-effective, and equity-focused path to achieve California's climate target. The 2022 Update includes policies to achieve a significant reduction in fossil fuel combustion, further reductions in short-lived climate pollutants, support for sustainable development, increased action no natural and working lands (NWL) to reduce emissions and sequester carbon, and the capture and storage of carbon.

The 2022 Update assesses the progress California is making toward reducing its GHG emissions by at least 40 percent below 1990 levels by 2030, as called for in SB 32 and laid out in the 2017 Scoping Plan, addresses recent legislation and direction from Governor Newsom, extends and expands upon these earlier plans, and implements a target of reducing anthropogenic emissions to 85 percent below 1990 levels by 2045, as well as taking an additional step of adding carbon neutrality as a science-based guide for California's climate work. As stated in the 2022 Update, "The plan outlines how carbon neutrality can be achieved by taking bold steps to reduce GHGs to meet the anthropogenic emissions target and by expanding actions to capture and store carbon through the state's NWL and using a variety of mechanical approaches" (CARB 2022c). Specifically, the 2022 Update:

- Identifies a path to keep California on track to meet its SB 32 GHG reduction target of at least 40 percent below 1990 emissions by 2030.

- Identifies a technologically feasible, cost-effective path to achieve carbon neutrality by 2045 and a reduction in anthropogenic emissions by 85 percent below 1990 levels.
- Focuses on strategies for reducing California's dependency on petroleum to provide consumers with clean energy options that address climate change, improve air quality, and support economic growth and clean sector jobs.
- Integrates equity and protecting California's most impacted communities as driving principles throughout the document.
- Incorporates the contribution of NWL to the state's GHG emissions, as well as their role in achieving carbon neutrality.
- Relies on the most up-to-date science, including the need to deploy all viable tools to address the existential threat that climate change presents, including carbon capture and sequestration, as well as direct air capture.
- Evaluates the substantial health and economic benefits of taking action.
- Identifies key implementation actions to ensure success.

In addition to reducing emissions from transportation, energy, and industrial sectors, the 2022 Update includes emissions and carbon sequestration in NWL and explores how NWL contribute to long-term climate goals. Under the Scoping Plan Scenario, California's 2030 emissions are anticipated to be 48 percent below 1990 levels, representing an acceleration of the current SB 32 target. Cap-and-Trade regulation continues to play a large factor in the reduction of near-term emissions for meeting the accelerated 2030 reduction target. Every sector of the economy will need to begin to transition in this decade to meet our GHG reduction goals and achieve carbon neutrality no later than 2045. The 2022 Update approaches decarbonization from two perspectives, managing a phasedown of existing energy sources and technologies, as well as increasing, developing, and deploying alternative clean energy sources and technology.

SENATE BILL 375

SB 375, signed in August 2008, enhances the state's ability to reach AB 32 goals by directing the CARB to develop regional GHG emission reduction targets to be achieved from passenger vehicles by 2020 and 2035. SB 375 aligns regional transportation planning efforts, regional GHG reduction targets, and affordable housing allocations. Metropolitan Planning Organizations (MPOs) are required to adopt a Sustainable Communities Strategy (SCS), which allocates land uses in the MPO's Regional Transportation Plan. Qualified projects consistent with an approved SCS or Alternative Planning Strategy (categorized as "transit priority projects") would receive incentives to streamline CEQA processing.

On March 22, 2018, CARB adopted updated regional targets for reducing GHG emissions from 2005 levels by 2020 and 2035. SCAG was assigned targets of an 8 percent reduction in per capita GHG emissions from passenger vehicles by 2020 as compared to 2005 levels and a 19 percent reduction in per capita GHG emissions from passenger vehicles by 2035 as compared to 2005 levels. In the SCAG region, SB 375 also provides the option for the coordinated development of sub regional plans by the sub regional councils of governments and the county transportation commissions to meet SB 375 requirements.

SENATE BILL 1383

Adopted in September 2016, SB 1383 requires CARB to approve and begin implementing a comprehensive strategy to reduce emissions of short-lived climate pollutants. SB 1383 requires the strategy to achieve the following reduction targets by 2030:

- Methane – 40 percent below 2013 levels
- Hydrofluorocarbons – 40 percent below 2013 levels
- Anthropogenic black carbon – 50 percent below 2013 levels

As a result, CARB adopted the Short-Lived Climate Pollutant Reduction Strategy in 2017 and has initiated implementation. SB 1383 also requires the California Department of Resources Recycling and Recovery (CalRecycle), in consultation with the CARB, to adopt regulations that achieve specified targets for reducing organic waste in landfills. CalRecycle has initiated the rulemaking process for these regulations with the proposed regulation text submitted to the Office of Administrative Law in October 2020.

SENATE BILL 100

Adopted on September 10, 2018, SB 100 supports the reduction of GHG emissions from the electricity sector by accelerating the state's Renewables Portfolio Standard Program, which was last updated by SB 350 in 2015. SB 100 requires electricity providers to increase procurement from eligible renewable energy resources to 33 percent of total retail sales by 2020, 44 percent by 2024, 60 percent by 2030, and 100 percent by 2045.

EXECUTIVE ORDER B-55-18

On September 10, 2018, the governor issued Executive Order B-55-18, which established a new statewide goal of achieving carbon neutrality by 2045 and maintaining net negative emissions thereafter. This goal is in addition to the existing statewide GHG reduction targets established by SB 375, SB 32, SB 1383, and SB 100.

CALIFORNIA BUILDING STANDARDS CODE

The California Code of Regulations (CCR) Title 24 is referred to as the California Building Standards Code. It consists of a compilation of several distinct standards and codes related to building construction including plumbing, electrical, interior acoustics, energy efficiency, and handicap accessibility for persons with physical and sensory disabilities. The current iteration is the 2019 Title 24 standards. The 2022 Title 24 standards will go into effect on January 1, 2023, and the project will be subject to these new standards. The California Building Standards Code's energy-efficiency and green building standards for 2022 are outlined below.

Part 6 – Building Energy Efficiency Standards/Energy Code

CCR Title 24, Part 6 is the Building Energy Efficiency Standards or California Energy Code. This code, originally enacted in 1978, establishes energy-efficiency standards for residential and non-residential buildings in order to reduce California's energy demand. New construction and major renovations must demonstrate their compliance with the current Energy Code through submittal and approval of a Title 24 Compliance Report to the local building permit review authority and the California Energy Commission (CEC). The 2022 Title 24 standards are the applicable building energy efficiency standards for the proposed Project because they became effective on January 1, 2023.

Part 11 – California Green Building Standards

The California Green Building Standards Code, referred to as CALGreen, was added to Title 24 as Part 11, first in 2009 as a voluntary code, which then became mandatory effective January 1, 2011 (as part of the 2010 California Building Standards Code). The 2022 CALGreen includes mandatory minimum environmental performance standards for all ground-up new construction of residential and non-residential structures. It also includes voluntary tiers (Tiers I and II) with stricter environmental performance standards for these same categories of residential and non-residential buildings. Local jurisdictions must enforce the minimum mandatory CALGreen standards and may adopt additional amendments for stricter requirements.

The mandatory standards applicable to air quality and GHG emissions require:

- Minimum 20 percent reduction in indoor water use relative to specified baseline levels;3
- Waste Reduction:
  - Minimum 65 percent non-hazardous construction/demolition waste diverted from landfills;
  - Non-residential and multi-family dwellings with five or more units: Provide readily accessible areas identified for the depositing, storage and collection of nonhazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastic, organic waste, and metals; and/or
  - Non-residential: Reuse and/or recycling of 100 percent of trees, stumps, rocks, and associated vegetation soils resulting from primary land clearing;
- Inspections of energy systems to ensure optimal working efficiency;
- Low-pollutant emitting exterior and interior finish materials such as paints, carpets, vinyl flooring, and particleboards; and
- Electric Vehicle (EV) Charging for New Construction:4
  - One- and two-family dwellings and town houses with attached private garages: Dedicated circuitry to facilitate installation of EV charging;
  - Multi-family dwellings and hotels/motels with less than 20 units/rooms: Designation of at least 10 percent of the total number of parking spaces shall be EV capable and at least 25 percent of the total number of parking spaces shall be EV-ready;
  - Multi-family dwellings and hotels/motels with greater than 20 units/rooms: Designation of at least 10 percent of the total number of parking spaces shall be EV capable, at least 25 percent of the total number of parking spaces shall be EV-ready, and at least 5 percent of the total number of parking spaces shall be equipped with a Level 2 Charging Station;
  - Non-residential land uses shall comply with the following EV charging requirements based on the number of passenger vehicle parking spaces:

3 Similar to the compliance reporting procedure for demonstrating Energy Code compliance in new buildings and major renovations, compliance with the CALGreen water reduction requirements must be demonstrated through completion of water use reporting forms. Buildings must demonstrate a 20 percent reduction in indoor water use by either showing a 20 percent reduction in the overall baseline water use as identified in CALGreen or a reduced per-plumbing-fixture water use rate.

4 EV Capable = a vehicle space with electrical panel space and load capacity to support a branch circuit and necessary raceways to support EV charging; EV-ready = a vehicle space which is provided with a branch circuit and any necessary raceways to accommodate EV charging stations, including a receptacle for future installation of a charger (see 2022 California Green Building Standard Code, Title 24 Part 11 for full explanation of mandatory measures, including exceptions).

        - 0-9: no EV capable spaces or charging stations required;
        - 10-25: 4 EV capable spaces but no charging stations required;
        - 26-50: 8 EV capable spaces of which 2 must be equipped with charging stations;
        - 51-75: 13 EV capable spaces of which 3 must be equipped with charging stations;
        - 76-100: 17 EV capable spaces of which 4 must be equipped with charging stations;
        - 101-150: 25 EV capable spaces of which 6 must be equipped with charging stations;
        - 151-200: 35 EV capable spaces of which 9 must be equipped with charging stations; and
        - More than 200: 20 percent of the total available parking spaces of which 25 percent must be equipped with charging stations;
    - Non-residential land uses shall comply with the following EV charging requirements for medium- and heavy-duty vehicles: warehouses, grocery stores, and retail stores with planned off-street loading spaces shall install EV supply and distribution equipment, spare raceway(s) or busway(s) and adequate capacity for transformer(s), service panel(s), or subpanel(s) at the time of construction based on the number of off-street loading spaces as indicated in Table 5.106.5.4.1 of the California Green Building Standards;
- Bicycle Parking:
    - Non-residential short-term bicycle parking for projects anticipated to generate visitor traffic: permanently anchored bicycle racks within 200 feet of visitor entrance for 5 percent of new visitor motorized vehicle parking spaces with a minimum of one 2-bike capacity rack; and/or
    - Non-residential buildings with tenant spaces of 10 or more employees/tenant-occupants: secure bicycle parking for 5 percent of the employee/tenant-occupant vehicle parking spaces with a minimum of one bicycle parking facility; And/or
- Shade Trees (Non-Residential):
    - Surface parking: minimum No. 10 container size or equal shall be installed to provide shade over 50 percent of the parking within 15 years (unless parking area covered by appropriate shade structures and/or solar);
    - Landscape areas: minimum No. 10 container size or equal shall be installed to provide shade of 20 percent of the landscape area within 15 years; and/or
    - Hardscape areas: minimum No. 10 container size or equal shall be installed to provide shade of 20 percent of the landscape area within 15 years (unless covered by applicable shade structures and/or solar or the marked area is for organized sports activities).

The voluntary standards include:

- Deconstruct existing buildings and reuse applicable salvaged materials;
- Residential – Cool Roofs: have a thermal mass over the roof membrane, including green roofs weighing a minimum of 25 pounds per square foot or roof areas covered by solar photovoltaic panels and building integrated solar thermal panels;
- Residential – Reduce nonroof heat island for 50 percent of sidewalks, patios, driveways or other paved areas;

- One- and two-family dwelling units and townhouses with attached garages: install a dedicated 208/250-volt branch circuit for EV charging;
- Residential Bicycle Parking:
  - Multi-family/hotel/motel short-term parking: provide permanently anchored bicycle racks within 100 feet of visitor's entrance for 5 percent of visitor motorized vehicle parking capacity (minimum one 2-bike capacity rack);
  - Multi-family buildings long-term parking: provide acceptable on-site bicycle parking for at least one bicycle per every two dwelling units; and/or
  - Hotel/motel long-term parking: provide one acceptable on-site bicycle parking space for every 25,000 square feet but not less than two spaces;
- Tier I:
  - Stricter energy efficiency requirements;
  - Stricter water conservation requirements for specific fixtures;
  - minimum 65 percent reduction in construction waste with third-party verification, Minimum 10 percent recycled content for building materials;
  - Minimum 20 percent permeable paving;
  - Minimum 20 percent cement reduction;
  - Multi-family developments/hotels/motels: minimum 35 percent of total parking spaces shall be EV ready and for projects with 20 or more dwelling units/rooms a minimum of 10 percent of the total number of parking spaces shall be equipped with EV charging stations; and/or
- Tier II:
  - Stricter energy efficiency requirements,
  - Stricter water conservation requirements for specific fixtures;
  - Minimum 75 percent reduction in construction waste with third-party verification,
  - Minimum 15 percent recycled content for building materials;
  - Minimum 30 percent permeable paving;
  - Minimum 25 percent cement reduction; and/or
  - Multi-family developments/hotels/motels: minimum 40 percent of total parking spaces shall be EV ready and for projects with 20 or more dwelling units/rooms, a minimum of 15 percent of the total number of parking spaces shall be equipped with EV charging stations.

Regional and Local Regulations

2020-2045 Regional Transportation Plan/Sustainable Communities Strategy

On September 3, 2020, SCAG formally adopted the 2020-2045 RTP/SCS to provide a roadmap for sensible ways to expand transportation options, improve air quality, and bolster Southern California's long-term economic viability. The 2020-2045 RTP/SCS builds upon the progress made through implementation of the 2016-2040 RTP/SCS and includes ten goals focused on promoting economic prosperity, improving mobility, protecting the environment, and supporting healthy/complete communities. The SCS implementation strategies include focusing growth near destinations and mobility options, promoting diverse housing choices, leveraging technology

innovations, and supporting implementation of sustainability policies. The SCS establishes a land use vision of center-focused placemaking, concentrating growth in and near Priority Growth Areas, transferring of development rights, urban greening, creating greenbelts and community separators, and implementing regional advance mitigation (SCAG 2020).

UNINCORPORATED LOS ANGELES COUNTY COMMUNITY CLIMATE ACTION PLAN

The County adopted the Community Climate Action Plan (CCAP) in August 2015 (Los Angeles County 2015). The CCAP, which is a component of the County General Plan, sets a target to reduce GHG emissions from community activities in the unincorporated areas of Los Angeles County by at least 11 percent below 2010 levels by 2020. The CCAP describes the County's plan for achieving this goal, including specific strategy areas for each of the major emission sectors, and provides details on the 2010 and projected 2020 emissions in the unincorporated areas. The actions in the CCAP are priority actions and intended for near-term implementation, such that the County can achieve its GHG reduction goal for 2020 for the unincorporated areas of Los Angeles County. The CCAP includes 26 local actions to reduce GHG emissions, grouped into five strategy areas: green building and energy; land use and transportation; water conservation and wastewater; waste reduction, reuse, and recycling; and land conservation and tree planting.

3.2 Impact Analysis

Significance Thresholds

Based on Appendix G of the CEQA Guidelines, impacts related to GHG emissions from the proposed project would be significant if the project would:

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

The vast majority of individual projects do not generate sufficient GHG emissions to directly influence climate change. However, physical changes caused by a project can contribute incrementally to significant cumulative effects, even if individual changes resulting from a project are limited. As a result, the issue of climate change typically involves an analysis of whether a project's contribution towards an impact would be cumulatively considerable. "Cumulatively considerable" means that the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, other current projects, and probable future projects (CEQA Guidelines Section 15064[h][1]).

According to *CEQA Guidelines* Section 15183.5, projects can tier off of a qualified GHG reduction plan, which allows for project-level evaluation of GHG emissions through the comparison of the project's consistency with the GHG reduction policies included in a qualified GHG reduction plan. This approach is considered by the Association of Environmental Professionals (AEP) in their white paper, *Beyond Newhall and 2020*, to be the most defensible approach presently available under CEQA to determine the significance of a project's GHG emissions (AEP 2016). However, unincorporated Los Angles has not published a qualified climate action plan beyond 2020.

In the absence of any adopted numeric threshold, the significance of the proposed project's GHG emissions are evaluated consistent with *CEQA guidelines* Section 15064.4(b) by considering whether the proposed project complies with applicable plans, policies, regulations, and requirements

adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions.

Therefore, the significance of the proposed project's potential impacts regarding GHG emissions and climate change is evaluated based on consistency with plans and polices adopted for the purposes of reducing GHG emissions and mitigating the effects of climate change. The most directly applicable adopted regulatory plans to reduce GHG emissions are the 2022 Scoping Plan, the 2020-2045 RTP/SCS, and the CCAP. GHG emissions from the construction and operation of the proposed project are provided for informational purposes.

Methodology

GHG Emission Quantification

GHG emissions associated with the proposed project were calculated using CalEEMod version 2022.1 (see Appendix A for CalEEMod results) in accordance with the methodology outlined in Section 2.2, *Methodology*, under Section 2, *Air Quality*. Complete results from CalEEMod and assumptions can be viewed in Appendix A. In accordance with SCAQMD's recommendation, GHG emissions from construction of the proposed project were amortized over a 30-year period and added to annual operational emissions to determine the project's total annual GHG emissions (SCAQMD 2008b).

Impact Analysis

Threshold 1	Would the project generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?
Threshold 2	Would the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHGs?

Impact GHG-1 ALTHOUGH CONSTRUCTION AND OPERATION OF THE PROPOSED PROJECT WOULD GENERATE GHG EMISSIONS, THE PROJECT WOULD INCORPORATE FEATURES THAT REDUCE GHG EMISSIONS AND ALIGN WITH THE GOALS OF THE APPLICABLE PLANS, POLICIES, AND REGULATIONS RELATED TO GHG EMISSIONS. THE PROPOSED PROJECT WOULD NOT CONFLICT WITH THE APPLICABLE PLANS, POLICIES, AND REGULATIONS ADOPTED FOR THE PURPOSE OF REDUCING GHG EMISSIONS. IMPACTS WOULD BE LESS THAN SIGNIFICANT.

As discussed under Section 3.2, *Significance Thresholds*, plans and policies have been adopted to reduce GHG emissions in the Southern California region, including the State's 2022 Scoping Plan, SCAG's 2020-2045 RTP/SCS, and the CCAP. The project's consistency with these plans and applicable policies is discussed in the following subsections. As discussed herein, the project would not conflict with plans and policies aimed at reducing GHG emissions. Project GHG emissions are provided for informational purposes following the consistency analysis.

Consistency with Applicable Plans and Policies

2022 SCOPING PLAN

The principal state plans and policies are AB 32, the California Global Warming Solutions Act of 2006, and the subsequent legislation, SB 32 and AB 1279. The quantitative goal of AB 32 is to reduce GHG emissions to 1990 levels by 2020. The goal of SB 32 is to reduce GHG emissions to 40 percent below 1990 levels by 2030. In 2022, the State passed AB 1279, which declares the State would achieve net-

zero GHG emissions by 2045 and would reduce GHG emissions by 85 percent below 1990 levels by 2045. The latest iteration of the Scoping Plan is the 2022 Scoping Plan, which focuses on outcomes needed to achieve carbon neutrality by assessing paths for clean technology, energy deployment, natural and working lands, and others, and is designed to meet the state's long-term climate objectives and support a range of economic, environmental, energy security, environmental justice, and public health priorities. The 2022 Scoping Plan's strategies that apply to the proposed project include the following:

- Reducing fossil fuel use, energy demand and VMT.
- Building Carbonization.
- Maximizing recycling and diversion from landfills.

The proposed project would be consistent with these goals through project design, which includes complying with the latest Title 24 Green Building Code and Building Efficiency Energy Standards. In addition, the proposed project would include parking spaces with electric vehicle charging stations in accordance with CALGreen requirements and a PV system consistent with the 2022 Title 24 Standards with 2,717 square feet of area on the new school roof for solar PV systems. Furthermore, Title 24 Standards would be served by Southern California Edison, which is required to increase its renewable energy procurement in accordance with SB 100 targets. The project site would be within a half mile of Metro 125 Bus Route and of existing residential and commercial uses. Therefore, the proposed project will not conflict with the 2022 Scoping Plan.

UNINCORPORATED LOS ANGELES COUNTY COMMUNITY CLIMATE ACTION PLAN

The County adopted the CCAP in 2015 to implement GHG reduction strategies from unincorporated County communities to at least 11 percent below 2010 levels by 2020. The project's construction and operation would occur after the covered timeline of the CCAP and the project would not tier from the CCAP, and the County has not prepared a CCAP post-2020. However, the project's consistency with applicable CCAP GHG reduction strategies goals is still analyzed in Table 9. As shown in Table 9, the project is consistent with the applicable GHG reduction strategies in the County's CCAP.

Table 9 Consistency with Applicable County Community Climate Action Plan Greenhouse Gas Reduction Strategies

Strategy/Action	Project Consistency
Land Use and Transportation	
LUT-6, Land Use Design and Density. Promote sustainability in land use design, including diversity of urban and suburban developments. This action includes approaches that encourage transit-oriented districts (TODs), infill development, pedestrian-friendly and community-serving uses near transit stops, and increased transit use.	**Consistent.** The public charter school would be developed within 0.5 mile of the nearest bus stop at East Rosecrans Avenue and North Stanford Avenue.
LUT-9, Idling Reduction Goal. Encourage idling limits of three minutes for heavy-duty construction equipment, as feasible within manufacturer's specifications.	**Consistent.** Section 2485 in Title 13 of the California Code of Regulations limits the idling of all diesel-fueled commercial vehicles (weighing over 10,000 pounds) during construction to five minutes at any location when the engines are not involved with a construction activity. The project shall comply with this regulatory requirement and would encourage construction contractors to

Strategy/Action	Project Consistency
	further limit idling to three minutes or less when practicable and feasible.
Land Conservation and Tree Planting	
LC-1, Develop Urban Forests. Support and expand urban forest programs within the unincorporated areas.	**Consistent.** The project would include landscaping on the site including various trees and shrubs to complement the school's appearance.
LC-2, Create New Vegetated Open Space. Restore and revegetate previously disturbed land and/or unused urban and suburban areas. This action promotes the conversion of unused urban and suburban areas to parks and forests.	**Consistent.** The project would add landscaped areas along the northern and eastern borders of the site, as well as a small, landscaped area between the two school buildings.

Source: Los Angeles County 2015

2020-2045 Regional Transportation Plan/Sustainable Communities Strategy

The SCAG's 2020-2045 RTP/SCS is forecast to help California reach its GHG reduction goals. According to the 2020-2045 RTP/SCS, the updated targets for the SCAG region are 8 percent below 2005 per capita passenger vehicle emission levels by 2020 (this value is unchanged from the previous 2020 CARB target) and 19 percent below 2005 per capita passenger vehicle emissions levels by 2035. The revised 2035 target is higher than the previous CARB target of 13 percent for the SCAG region; nevertheless, the 2020-2045 RTP/SCS is projected to achieve this target. The 2020-2045 RTP/SCS includes implementation strategies for focusing growth near destinations and mobility options, promoting diverse housing choices, leveraging technology innovations, supporting implementation of sustainability policies, and promoting a green region (SCAG 2020). The project's consistency with applicable 2020-2045 RTP/SCS strategies is discussed in Table 10. As shown therein, the proposed project would be consistent with the GHG emission reduction strategies contained in the 2020-2045 RTP/SCS.

Table 10 Project Consistency with Applicable SCAG RTP/SCS GHG Emission Reduction Strategies

Strategy/Action	Project Consistency
Focus Growth Near Destinations & Mobility Options. ▪ Emphasize land use patterns that facilitate multimodal access to work, educational and other destinations ▪ Focus on a regional jobs/housing balance to reduce commute times and distances and expand job opportunities near transit and along center-focused main streets ▪ Plan for growth near transit investments and support implementation of first/last mile strategies. ▪ Promote the redevelopment of underperforming retail developments and other outmoded nonresidential uses ▪ Prioritize infill and redevelopment of underutilized land to accommodate new growth, increase amenities and connectivity in existing neighborhoods ▪ Encourage design and transportation options that reduce the reliance on and number of solo car trips (this could include mixed uses or locating and orienting close to existing destinations)	**Consistent.** The proposed project is an infill development that would construct a new public charter school. The proposed project would be within walking and biking distance of existing residential, commercial, and recreational uses and would include bicycle parking for students and staff. In addition, the project is within 0.5-mile of bus stops for Metro bus routes 51, 52, 125 and 127. These features would incentivize the use of public transit and active transportation for traveling to and from the site. Therefore, the proposed project would focus growth near destinations and mobility options.

Strategy/Action	Project Consistency
▪ Identify ways to "right size" parking requirements and promote alternative parking strategies (e.g., shared parking or smart parking)	
Leverage Technology Innovations. ▪ Promote low emission technologies such as neighborhood electric vehicles, shared rides hailing, car sharing, bike sharing and scooters by providing supportive and safe infrastructure such as dedicated lanes, charging and parking/drop-off space ▪ Improve access to services through technology—such as telework and telemedicine as well as other incentives such as a "mobility wallet," an app-based system for storing transit and other multi-modal payments ▪ Identify ways to incorporate "micro-power grids" in communities, for example solar energy, hydrogen fuel cell power storage and power generation	**Consistent.** The project would include parking spaces with EV charging stations in accordance with CALGreen requirements. Furthermore, based on project plans, the roof of the new school building would include 2,717 square feet of area for solar PV systems.
Support Implementation of Sustainability Policies. ▪ Pursue funding opportunities to support local sustainable development implementation projects that reduce GHG emissions ▪ Support statewide legislation that reduces barriers to new construction and that incentivizes development near transit corridors and stations ▪ Support local jurisdictions in the establishment of Enhanced Infrastructure Financing Districts (EIFDs), Community Revitalization and Investment Authorities (CRIAs), or other tax increment or value capture tools to finance sustainable infrastructure and development projects, including parks and open space ▪ Work with local jurisdictions/communities to identify opportunities and assess barriers to implement sustainability strategies ▪ Enhance partnerships with other planning organizations to promote resources and best practices in the SCAG region ▪ Continue to support long range planning efforts by local jurisdictions ▪ Provide educational opportunities to local decision makers and staff on new tools, best practices and policies related to implementing the Sustainable Communities Strategy	**Consistent.** The project would be designed and operated to meet the applicable requirements of CALGreen. The project's indoor water use would be reduced by 20 percent through the inclusion of water efficient sinks and toilets. Furthermore, energy use would be reduced by implementing the requirements of 2022 Title 24 standards, including energy-efficient lighting and appliances. Therefore, the project would support implementation of sustainability policies.
Promote a Green Region. ▪ Support development of local climate adaptation and hazard mitigation plans, as well as project implementation that improves community resiliency to climate change and natural hazards ▪ Support local policies for renewable energy production, reduction of urban heat islands and carbon sequestration ▪ Integrate local food production into the regional landscape ▪ Promote more resource efficient development focused on conservation, recycling and reclamation	**Consistent**. The project is an infill development that would involve construction of a new public charter school and would therefore not interfere with regional wildlife connectivity or convert agricultural land. The project would be consistent with the County's CCAP and Title 24 including CALGreen. Furthermore, the roof of the new school building would include 2,717 square feet of area for solar PV systems. Therefore, the project would support development of a green region.

Strategy/Action	Project Consistency
▪ Preserve, enhance and restore regional wildlife connectivity ▪ Reduce consumption of resource areas, including agricultural land Identify ways to improve access to public park space	

Source: SCAG 2020

GHG Emissions

As shown in Table 11, construction activity for the project would generate an estimated 437 MT CO2e. When amortized over a 30-year period, construction of the project would generate approximately 14 MT CO_2e per year.

Table 11 Estimated Construction Emissions of Greenhouse Gases

Construction Year	Annual Emissions MT CO_2e
2024	214
2025	203
Total	417
Amortized over 30 years	**14**

Notes: See Appendix A for CalEEMod worksheets. Some numbers may not add up precisely due to rounding considerations.

Table 12 combines the construction and operational GHG emissions associated with development of the project. As shown, annual emissions from the proposed project would be 1,095 MT CO_2e/year.

Table 12 Combined Annual Emissions of Greenhouse Gases

Emission Source	Annual Emissions MT CO_2e
Construction	14
Operation	
Area	2
Energy	170
Mobile	868
Solid Waste	37
Water	5
Net Total	**1,095**

Notes: Emissions modeling was completed using CalEEMod, except for N_2O mobile emissions which were calculated separately (see Section 3.1 for methodology). See Appendix A for modeling results and N_2O emissions calculations. Some numbers may not add up precisely due to rounding considerations.

CONCLUSION

In summary, the plan consistency analysis provided above demonstrates that the project complies with or exceeds the requirements of policies, regulations and GHG reduction actions/strategies outlined in the 2022 Scoping Plan, the County's CCAP, and the 2020–2045 RTP/SCS. Consistency

with the above plans, policies, regulations, and GHG reduction actions/strategies would reduce the project's incremental contribution of GHG emissions to a less-than-significant level.

4 Conclusions and Recommendations

As detailed above, given the construction area's proximity to nearby sensitive receptors on-site particulate matter emissions during grading and site preparation could result in potentially significant TAC emissions. Therefore, the applicant would be required to implement Mitigation Measure AQ-1 for incorporation of would implement construction measures such as use of Tier 4 engines, which would reduce impacts to less than significant impact. Furthermore, operation of the project would not result in significant air quality or GHG emissions impacts. The project would be required to comply with the following RCMs, which were assumed in the modeling and analysis because the project is required to comply with them through state and local regulations, and Mitigation Measure AQ-1.

Regulatory Compliance Measures

RCM-1 Demolition, Grading, and Construction Activities: Compliance with Provisions of SCAQMD Rule 403

The project shall comply with all applicable standards of Southern California Air Quality Management District (SCAQMD) Rule 403, including the following provisions:

- All unpaved demolition and construction areas shall be wetted at least twice daily during excavation and construction, and temporary dust covers shall be used to reduce dust emissions and meet SCAQMD Rule 403. Wetting could reduce fugitive dust by as much as 50 percent.
- The construction area shall be kept sufficiently dampened to control dust caused by grading and hauling, and at all times provide reasonable control of dust caused by wind.
-
- All clearing, earth moving, or excavation activities shall be discontinued during periods of high winds (i.e., greater than 25 mph), in order to prevent excessive amounts of dust.
- All dirt/soil shall be secured by trimming, watering, or other appropriate means to prevent spillage and dust.
- All dirt/soil materials transported off-site shall be either sufficiently watered or securely covered to prevent excessive amounts of dust.
- General contractors shall maintain and operate construction equipment to minimize exhaust emissions.
- Trucks having no current hauling activity shall not idle but be turned off.

RCM-2 Odors: Compliance with Provisions of SCAQMD Rule 402

The project shall comply with the following provision of SCAQMD Rule 402: a person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

RCM-3 Engine Idling

In accordance with Section 2485 of Title 13 of the California Code of Regulations, the idling of all diesel-fueled commercial vehicles (weighing over 10,000 pounds) during construction shall be limited to five minutes at any location unless engaged in a construction activity.

RCM-4 Emission Standards

In accordance with Section 93115 of Title 17 of the California Code of Regulations, operation of any stationary, diesel-fueled, compression-ignition engines shall meet specified fuel and fuel additive requirements and emission standards.

RCM-5 Architectural Coatings: Compliance with SCAQMD Rule 1113

The project shall comply with SCAQMD Rule 1113 limiting the volatile organic compound (VOC) content of architectural coatings.

Mitigation Measure

AQ-1 Construction Emissions Reduction

Prior to issuance of grading permits, the County shall confirm that the grading plan, building plans, and specifications stipulate that the following measures shall be implemented:

- All mobile off-road equipment (wheeled or tracked) used during construction activities shall meet the USEPA Tier 4 final standards. Tier 4 certification can be for the original equipment or equipment that is retrofitted to meet the Tier 4 Final standards.
- Alternative fuel (natural gas, propane, electric, etc.) construction equipment shall be incorporated where available. These requirements shall be incorporated into the contract agreement with the construction contractor. A copy of the equipment's certification or model year specifications shall be available upon request for all equipment on-site.
- Electricity shall be supplied to the site from the existing power grid to support the electric construction equipment. If connection to the grid is determined to be infeasible for portions of the project, a non-diesel fueled generator shall be used.
- The project shall comply with the CARB Air Toxics Control Measure that limits diesel powered equipment and vehicle idling to no more than five minutes at a location, and the CARB In-Use Off-Road Diesel Vehicle Regulation; compliance with these would minimize emissions of TACs during construction.

5 References

Association of Environmental Professionals (AEP). 2016. Final White Paper Beyond 2020 and Newhall: A Field Guide to New CEQA Greenhouse Gas Thresholds and Climate Action Plan Targets for California. October. https://califaep.org/docs/AEP-2016_Final_White_Paper.pdf (accessed August 2022).

California Air Pollution Control Officers Association (CAPCOA). 2022. California Emissions Estimator Model User's Guide Version 2022.1. https://www.caleemod.com/documents/user-guide/01_User%20Guide.pdf .

California Air Resources Board (CARB). 2008. Climate Change Scoping Plan. December 2008. https://www.arb.ca.gov/cc/scopingplan/document/adopted_scoping_plan.pdf (accessed August 2022).

_____. 2014. AB 32 Scoping Plan Website. Updated June 2014. http://www.arb.ca.gov/cc/scopingplan/scopingplan.htm (accessed August 2022).

_____. 2016. Ambient Air Quality Standards. Last modified: May 4, 2016. http://www.arb.ca.gov/research/aaqs/aaqs2.pdf (accessed August 2022).

_____. 2017. California's 2017 Climate Change Scoping Plan. December 14, 2017. https://www.arb.ca.gov/cc/scopingplan/scoping_plan_2017.pdf (accessed August 2022).

_____. 2018. EMFAC2017 Volume III – Technical Documentation v.1.0.2. July 20, 2018. https://ww3.arb.ca.gov/msei/downloads/emfac2017-volume-iii-technical-documentation.pdf (accessed Ju August 2022).

_____. 2022a. Maps of State and Federal Area Designation. https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations

_____. 2022b. California Greenhouse Gas Emissions for 2000 to 2020: Trends of Emissions and Other Indicators. October 26, 2022. https://ww2.arb.ca.gov/sites/default/files/classic/cc/inventory/2000-2020_ghg_inventory_trends.pdf

_____. 2022c. 2022 Scoping Plan for Achieving Carbon Neutrality. November 16, 2022. https://ww2.arb.ca.gov/sites/default/files/2022-12/2022-sp.pdf (accessed April 2023)._____. 2023a. "Overview: Diesel Exhaust & Health. https://ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health (accessed August 2022).

_____. 2023c. "Top 4 Summary: Select Pollutant, Years, & Area. https://www.arb.ca.gov/adam/topfour/topfour1.php (accessed August 2022).

California Climate Change Center (CCCC). 2006. Climate Scenarios for California.

California Department of Food and Agriculture. 2022. "California Agricultural Production Statistics." https://www.cdfa.ca.gov/statistics/ (accessed April 2023).

California Department of Resources Recycling and Recovery (CalRecycle). 2015. AB 341 Report to the Legislature. August 2015. https://www2.calrecycle.ca.gov/Publications/Download/1168 (accessed August 2022).

California Department of Water Resources. 2018. Indicators of Climate Change in California. Sacramento, CA. May 2018.

California Energy Commission (CEC). 2018. " 2019 Building Energy Efficiency Standards". March. https://www.energy.ca.gov/sites/default/files/2020-03/Title_24_2019_Building_Standards_FAQ_ada.pdf (accessed August 2022).

California Natural Resources Agency. 2019. California's Fourth Climate Change Assessment Statewide Summary Report. August 27, 2018. http://www.climateassessment.ca.gov/state/ (accessed April 2023).

_____. 2021. Draft California Climate Adaptation Strategy. October 2021. https://resources.ca.gov/-/media/CNRA-Website/Files/Initiatives/Climate-Resilience/SAS-Workshops/Draft-CA-Climate-Adaptation-Strategy-ada.pdf

Forster, P., V. Ramaswamy, P. Artaxo, T. Berntsen, R. Betts, D.W. Fahey, J. Haywood, J. Lean, D.C. Lowe, G. Myhre, J. Nganga, R. Prinn, G. Raga, M. Schulz and R. Van Dorland. 2007. Changes in Atmospheric Constituents and in Radiative Forcing. Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change [Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M.Tignor and H.L. Miller (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA. https://www.ipcc.ch/site/assets/uploads/2018/02/ar4-wg1-chapter2-1.pdf (accessed August 2022).

Intergovernmental Panel on Climate Change (IPCC). 2014a. Climate Change 2014: Mitigation of Climate Change. Summary for Policymakers - Contribution of Working Group III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.

_____. 2014b. Climate Change 2014 Synthesis Report. Contribution of Working Groups I, II and III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Core Writing Team, R.K. Pachauri and L.A. Meyer (eds.)]. IPCC, Geneva, Switzerland.

_____. 2018. Summary for Policymakers. In: Global warming of 1.5°C. An IPCC Special Report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty. https://www.ipcc.ch/sr15/ (accessed August 2022).

_____. 2021. Climate Change 2021: The Physical Science Basis. Contribution of Working Group I to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [Masson-Delmotte, V., P. Zhai, A. Pirani, S. L. Connors, C. Péan, S. Berger, N. Caud, Y. Chen, L. Goldfarb, M. I. Gomis, M. Huang, K. Leitzell, E. Lonnoy, J.B.R. Matthews, T. K. Maycock, T. Waterfield, O. Yelekçi, R. Yu and B. Zhou (eds.)] Cambridge University Press. https://www.ipcc.ch/report/ar6/wg1/downloads/report/IPCC_AR6_WGI_Full_Report.pdf

Linscott Law & Greenspan Engineers (Linscott). 2022. Transportation Impact Analysis – Green Dot Animo Compton. September 21, 2022. Document.

Los Angeles County. 2015. Unincorporated Los Angeles County Community Climate Action Plan 2020. August 2015. https://planning.lacounty.gov/assets/upl/project/ccap_final-august2015.pdf. (accessed August 2022).

Los Angeles County Public Works. 2021. About the Roadmap. http://dpw.lacounty.gov/epd/Roadmap/About.cfm. (accessed August 2022).

National Aeronautics and Space Administration. 2023. "Global Climate Change – Vital Signs of the Planet – Sea Level." Last modified: January 12, 2023. https://climate.nasa.gov/vital-signs/sea-level/ (accessed April 2023).

National Oceanic and Atmospheric Administration. 2022. Climate Change: Global Sea Level. April 19, 2022. https://www.climate.gov/news-features/understanding-climate/climate-change-global-sea-level (accessed April 2023).

_____. 2023. "Global Climate Report for Annual 2022." State of the Climate. January 2023. https://www.ncdc.noaa.gov/sotc/global/201813 (accessed April 2023).

Office of Environmental Health Hazard Assessment (OEHHA). 2015. Air Toxics Hot Spots Program Guidance Manual for the Preparation of Health Risk Assessments. Last modified: March 6, 2015. https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf (accessed August 2022).

Parmesan, C. August 2006. Ecological and Evolutionary Responses to Recent Climate Change. Annual Review of Ecological Evolutionary Systems 37:637-669.

South Coast Air Quality Management District (SCAQMD). 1993. CEQA Air Quality Handbook. April 1993.

_____. 2005. Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning. May 6, 2005. http://www.aqmd.gov/docs/default-source/planning/air-quality-guidance/complete-guidance-document.pdf (accessed August 2022).

_____. 2006. Final - Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds. October 2006. http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/particulate-matter-(pm)-2.5-significance-thresholds-and-calculation-methodology/final_pm2_5methodology.pdf?sfvrsn=2 (accessed August 2022).

_____. 2008a. Final Localized Significance Threshold Methodology. July 2008. http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf (accessed August 2022).

_____. 2008b. Attachment E – Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold. October 2008. http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/ghgattachmente.pdf (accessed August 2022).

_____. 2009. Appendix C – Mass Rate LST Look-up Tables. Last modified: October 21, 2009. http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/appendix-c-mass-rate-lst-look-up-tables.pdf?sfvrsn=2 (accessed August 2022).

_____. 2010. Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #15. http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-15/ghg-meeting-15-minutes.pdf (accessed August 2022).

_____. 2016. National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) Attainment Status for South Coast Air Basin. http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/naaqs-caaqs-feb2016.pdf?sfvrsn=2 (accessed August 2022).

_____. 2017. Final 2016 Air Quality Management Plan (AQMP). March 3, 2017. https://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2016-air-quality-management-plan/final-2016-aqmp/final2016aqmp.pdf?sfvrsn=15 (accessed August 2022).

_____. 2019. SCAQMD Air Quality Significance Thresholds. Last modified: April 2019. http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf (accessed August 2022).

_____. 2022. 2022 Air Quality Management Plan. December 2, 2022. http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2022-air-quality-management-plan/final-2022-aqmp/final-2022-aqmp.pdf?sfvrsn=16

_____. 2023b. 2021 Air Quality. [Website] N.d. https://www.aqmd.gov/docs/default-source/air-quality/historical-data-by-year/aq_card_2021_final.pdf?sfvrsn=7 (accessed April 2023).

_____. 2023a. South Coast AQMD Air Quality Significance Thresholds. March 2023. http://www.aqmd.gov/docs/default-source/ceqa/handbook/south-coast-aqmd-air-quality-significance-thresholds.pdf?sfvrsn=25

Southern California Association of Governments (SCAG). 2020. Connect SoCal: The 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy of the Southern California Association of Governments. Adopted May 7, 2020. https://scag.ca.gov/read-plan-adopted-final-plan (accessed August 2022).

Southern California Edison (SCE). 2012. Corporate Responsibility and Sustainability Report. https://www.edison.com/content/dam/eix/documents/sustainability/2012-sce-corporate-responsibility-report.pdf (accessed August 2022).

State of California. 2018. California's Fourth Climate Change Assessment Statewide Summary Report. August 27, 2018. http://www.climateassessment.ca.gov/state/ (accessed August 2022).

_____. State of California 2019. State of California v. Elaine L. Chao. Case 1:19-cv-02826. https://oag.ca.gov/system/files/attachments/press_releases/California%20v.%20Chao%20complaint%20%2800000002%29.pdf (accessed August 2022).

United States Environmental Protection Agency (USEPA). 2014. Policy Assessment for the Review of the Lead National Ambient Air Quality Standards, External Review Draft. https://www3.epa.gov/ttn/naaqs/standards/pb/data/010913_pb-draft-pa.pdf (accessed August 2022).

_____. 2015. Overview of EPA's Updates to the Air Quality Standards for Ground-Level Ozone.

_____. 2022b. Process of Reviewing the National Ambient Air Quality Standards. Last Modified: October 22, 2022 (accessed August 2023).

_____. 2023a. Health Effect of Ozone Pollution. Last Modified: May 24,2023 (accessed August 2023).

_____. 2023b. Basic Information about Carbon Monoxide (CO) Outdoor Air Pollution. Last Modified: July 13,2023 (accessed August 2023).

_____. 2023c. Basic Information about NO_2. Last Modified: July 25, 2023 (accessed August 2023).

_____. 2023d. Sulfur Dioxide Basics. Last Modified: February 16, 2023 (accessed August 2023).

_____. 2023e. Basic Information about Lead Air Pollution. Last Modified: July 5, 2023 (accessed August 2023).

_____. 2023f. Health and Environmental Effects of Hazardous Air Pollutants. Last Modified: March 27, 2023. (accessed August 2023).

_____. 2023g. Green Book Map Download. https://www.epa.gov/green-book/green-book-map-download (accessed August 2023).

_____. 2023h. Climate Change Indicators: Global Greenhouse Gas Emissions. Last Modified: July 21, 2023. https://www.epa.gov/climate-indicators/climate-change-indicators-global-greenhouse-gas-emissions (accessed August 2023).

_____. 2023i. Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2021. February 2023. https://www.epa.gov/system/files/documents/2023-02/US-GHG-Inventory-2023-Main-Text.pdf (accessed May 2023).

White House. 2021. Executive Order on Protecting Public Health and the Environment and Resorting Science to Tackle the Climate Crisis. January 20. https://www.whitehouse.gov/briefing-room/presidential-actions/2021/01/20/executive-order-protecting-public-health-and-environment-and-restoring-science-to-tackle-climate-crisis/ (accessed August 2022).

World Meteorological Organization. 2013. “Greenhouse Gases.” https://public.wmo.int/en/our-mandate/focus-areas/environment/greenhouse%20gases (accessed August 2022).

Appendix A

SCCIC Results

Rincon Consultants, Inc.
180 North Ashwood Avenue
Ventura, California 93003

805 644 4455

info@rinconconsultants.com
www.rinconconsultants.com

July 13, 2021
Project No: 21-10990

Cristina de Jesus, Ed.D
Green Dot Public Schools California
1149 South Hill Street, Suite #600
Los Angeles, California 90015

Subject: Green Dot - Amino Compton Project, Cultural Resources Technical Memorandum

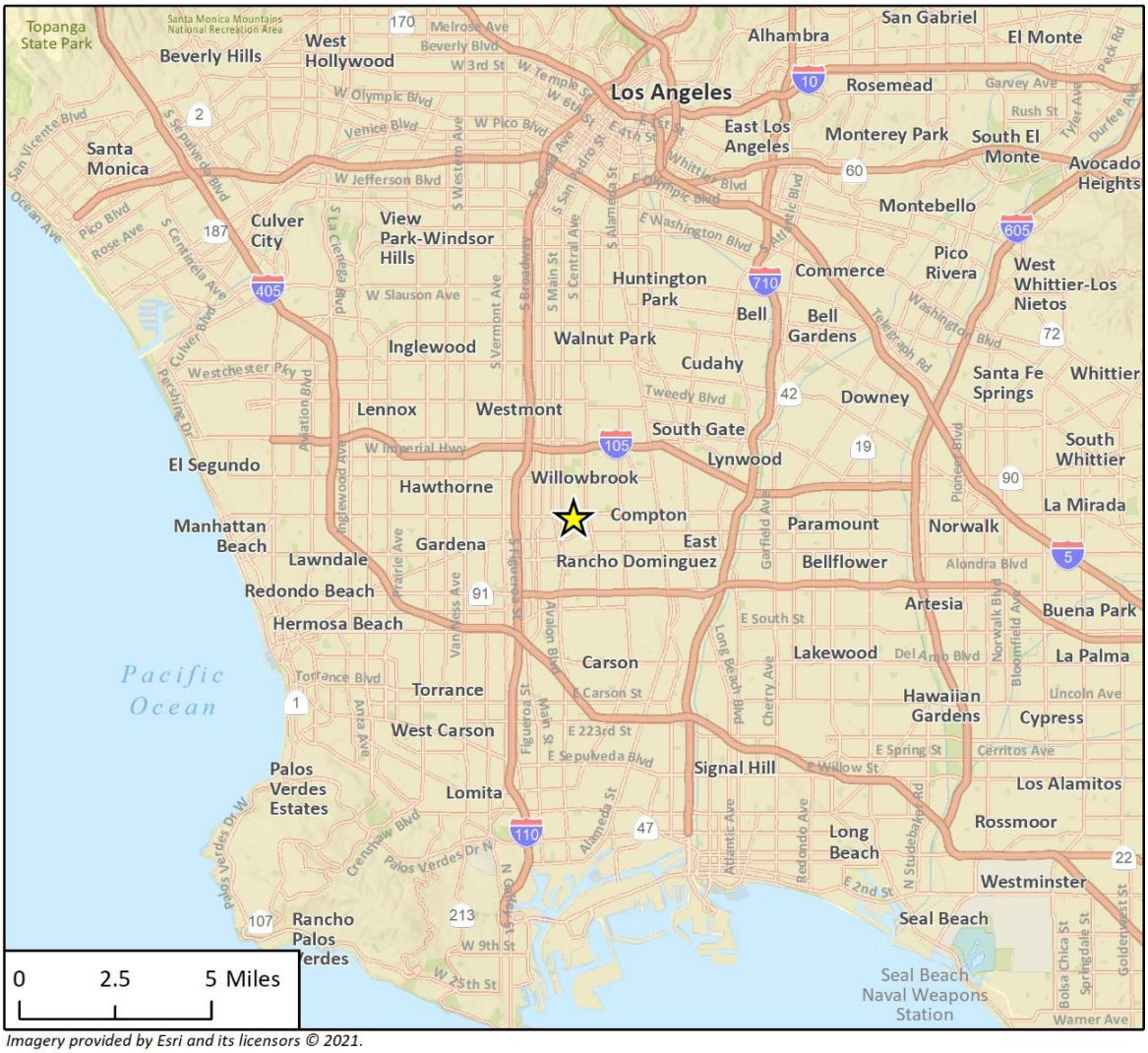
Dear Dr. de Jesus:

This report presents the findings of a cultural resources assessment of the Green Dot - Amino Compton Project (Project) in Los Angeles County, California. This assessment includes a cultural resources records search, Sacred Lands File Search, a cultural resources site inspection, and preparation of this technical memorandum. This study has been prepared to support compliance with the California Environmental Quality Act (CEQA); the County of Los Angeles is the lead CEQA agency.

Project Location and Description

The proposed Project involves the development of a charter middle/high school accommodating a maximum enrollment of 600 students and 45 staff members. The Project site encompasses two parcels (APN # 6137-017-001 and 6137-032-033) totaling approximately 3.63 net acres located in Township 3S, Range 13W, Sections 16-17 and 20-21 of the United States Geological Survey Inglewood CA 7.5-minute quadrangle (Figure 1 and Figure 2). The Project site currently contains a surface parking lot; church; an annex attached to the church that contains offices, meeting rooms, and classrooms; a standalone modular building; a standalone classroom building; and a one-story building that currently accommodates various additional uses (i.e., multi-purpose room, a preschool, administrative uses, restrooms, a breakroom, and a servery). The Project will include the construction of a new two-story classroom building on the eastern portion of the Project site totaling approximately 2.2 acres (identified as “School Portion” in Figure 2). Additionally, the Project will repurpose the existing one-story building on the School Portion to accommodate a multi-purpose room and administrative offices. The Project would also install a shade structure on the eastern side of the existing one-story building. No changes to the existing church are proposed for this Project (identified as “Church Portion” in Figure 2). Parking for the Project would be met by the existing surface parking lot.

Figure 1 Project Location



Imagery provided by Esri and its licensors © 2021.

Project Location

N

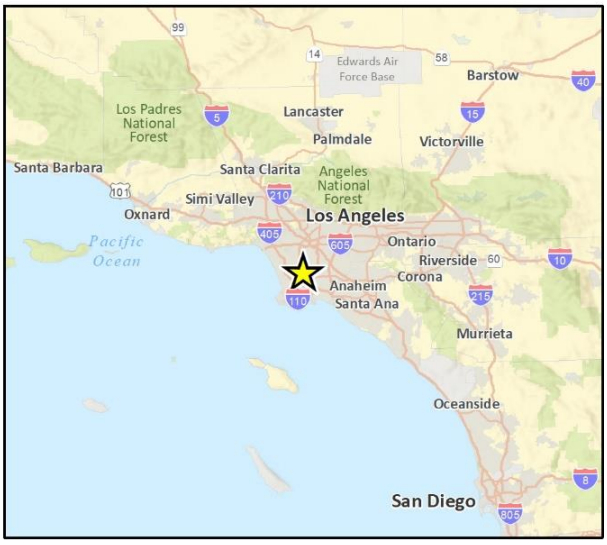


Figure 2 Project Site

Imagery provided by Microsoft Bing and its licensors © 2021.

Regulatory Setting

CEQA (Section 21084.1) requires that a lead agency determine whether a project could have a significant effect on historical resources. A historical resource is a resource listed in or determined to be eligible for listing in the California Register of Historical Resources (CRHR) (Section 21084.1), a resource included in a local register of historical resources (Section 15064.5[a][2]), or any object, building, structure, site, area, place, record, or manuscript that a lead agency determines to be historically significant (Section 15064.5[a][3]).

Public Resources Code (PRC) Section 5024.1, Section 15064.5 of the CEQA Guidelines, and PRC Sections 21083.2 and 21084.1 were used as the basic guidelines for this cultural resource study. PRC Section 5024.1 requires an evaluation of historical resources to determine their eligibility for listing in the CRHR. The purpose of the register is to maintain listings of the state's historical resources and to indicate which properties are to be protected from substantial adverse change. The criteria for listing resources in the CRHR were expressly developed to be in accordance with previously established criteria developed for listing in the National Register of Historic Places (NRHP), enumerated below.

According to PRC Section 5024.1(c)(1–4), a resource is considered historically significant if it: 1) retains substantial integrity, and 2) meets at least one of the following CRHR 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.

Integrity is the authenticity of the physical identity of a historical resource as evidenced by the survival of characteristics that existed during the period of significance of the resource. Historical resources eligible for listing in the CRHR must meet one of the criteria of significance described above and retain enough of their historic character or appearance to be recognizable as historical resource and to convey the reasons for their significance.

To assess integrity, the National Park Service recognizes seven aspects or qualities that, when considered together, define historic integrity. To retain integrity, a property must possess several, if not all, of these seven qualities, defined in the following manner in National Register Bulletin 15:

- **Location.** The place where the historic property was constructed or the place where the historic event occurred
- **Design.** The combination of elements that create the form, plan, space, structure, and style of a property
- **Setting.** The physical environment of a historic property
- **Materials.** The physical elements that were combined or deposited during a particular period of time and in a particular pattern or configuration to form a historic property

- **Workmanship.** The physical evidence of the crafts of a particular culture or people during any given period in history or prehistory
- **Feeling.** A property's expression of the aesthetic or historic sense of a particular period of time
- **Association.** The direct link between an important historic event or person and a historic property

Impacts to significant cultural resources are considered a significant effect on the environment if they affect the characteristics of any resource that qualify it for the CRHR or adversely alter the significance of a resource listed in or eligible for listing in the CRHR. These impacts could result from physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired (CEQA Guidelines, Section 15064.5 [b][1], 2000). Material impairment is defined as demolition or alteration in an adverse manner [of] those characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for inclusion in, the CRHR (CEQA Guidelines, Section 15064.5[b][2][A]).

In addition, if it can be demonstrated that a project will cause damage to a *unique archaeological resource*, the lead agency may require reasonable efforts be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. To the extent that resources cannot be left undisturbed, mitigation measures are required (PRC Section 21083.2[a], [b]).

PRC Section 21083.2(g) defines a *unique archaeological resource* as an artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

1) Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information
2) Has a special and particular quality such as being the oldest of its type or the best available example of its type
3) Is directly associated with a scientifically recognized important prehistoric or historic event or person

Cultural Resources Records Search

A search of the California Historical Resources Information System (CHRIS) at the South Central Coastal Information Center (SCCIC) located at California State University, Fullerton was completed on June 28, 2021. The search was performed to identify all previously recorded cultural resources, as well as previously conducted cultural resource studies, within the Project site and a 0.5-mile buffer surrounding it. The CHRIS search included a review of the National Register of Historic Places, the CRHR, the Office of Historic Preservation Historic Properties Directory, the California Inventory of Historic Resources, and the Archaeological Determinations of Eligibility list. A summary of the record search results is provided in Attachment A (Confidential).

The SCCIC records search identified a single previously conducted cultural resource study within a 0.5-mile radius of the Project site. The project (LA-01290) was outside the Project area and included a cultural resources evaluation for the Compton Co-generation Plant (Table 1; Appendix A).

Table 1 Previous Cultural Resource Studies within a 0.5-Mile Radius of the Project Site

Report Number	Author(s)	Year	Title	Relationship to Project Site
LA-01290	Chavez, David	1983	Cultural Resources Evaluation for the Compton Co-generation Plant, City of Compton, California	Outside

The SCCIC record search also identified a single previously recorded cultural resource within a 0.5-mile buffer of the Project site (Table 2; Appendix A). This resource represents the McKinley Elementary school located 0.1 mile southwest of the Project area.

Table 2 Previously Recorded Resources within a 0.5-mile Radius of the Project Site

Primary Number	Trinomial	Resource Type	Description	Recorder(s) and Year(s)	NRHP/CRHR Status	Relationship to Project Site
P-19-190179	N/A	Historic Building	McKinley Elementary School	1994 (Christy McAvoy, Historic Resources Group)	NRHP Status Code 6Y: Determined Ineligible for NR by Consensus through Section 106 Process – Not Evaluated for CR or Local Listing	Outside

Sacred Lands File Search

Rincon contacted the Native American Heritage Commission (NAHC) on June 17, 2021 to request a search of the Sacred Lands File (SLF) and a contact list of Native Americans culturally affiliated with the Project area. A response was received from the NAHC on July 8, 2021 stating the SLF search had been completed with "negative" results (Appendix B).

Historical Map and Aerial Imagery Review

A review of historic maps and aerial photographs available online at HistoricAerials (2021) shows that the Project site was primarily vacant in 1952. By 1956, the building that is currently a preschool was built in the northeast portion of the Project site (Los Angeles County Assessor Portal 2021). In 1980, the church on the Project site and the surface parking lot (located on the Project site, see Figure 2) were constructed. The Project site and the surrounding residential neighborhoods to the east, west, and south has remained largely unchanged since 1980.

Site Assessment

Rincon Archaeologist, Pedro Gonzalez, conducted a field visit to the Project site on June 30, 2021. The archaeologist surveyed the approximately 1.8 acres parcel that contains the Project site using transects spaced no more than 10 meters apart. The survey transects were oriented generally in a north-south direction. The archaeologist examined exposed ground surface for the following: artifacts (e.g., flaked stone tools, tool-making debris, stone milling tools, ceramics, fire-affected rock), ecofacts (marine shell and bone), soil discoloration that might indicate the presence of a cultural midden, soil depressions, and features indicative of the former presence of structures or buildings (e.g., standing exterior walls,

postholes, foundations) or historic debris (e.g., metal, glass, ceramics). Ground disturbances such as burrows and drainages were inspected visually. Field notes of survey conditions and observations were recorded using Rincon field forms and a digital camera. Copies of the original field notes and photographs are maintained at Rincon's Los Angeles office.

Results of the field survey identified no evidence of archaeological remains within the Project site. Ground visibility ranged from excellent (90 to 100 percent) with vegetation consisting of cut grass. Modern disturbances on the Project site include modern trash. Surface sediments consist of brownish silty soil.

The Project site, encompassing two parcels as described above, is comprised of two buildings and two accessory structures. According to historic aerials and available Sanborn maps, the area was generally not very developed before the 1950s with sparse wood frame structures mostly related to agricultural activities. The Project site was a formerly a portion of the Palmers' Guernsey Dairy before being developed. In 1956, the Project site became the location of the Redeemer Presbyterian Church.

The accessory structures are non-historic prefabricated storage buildings that were added to the site in 2000 and 2002, respectively. The western portion of the site includes a church building, formerly located in Hawthorne and moved to its current location by Redeemer Presbyterian Church in 1980 (LA County Department Public Works [DPW] 1980). Buildings that have been moved from their original locations are generally not eligible for listing as historic resources.

The building at the northeast corner of East Rosecrans Avenue and South Cahita Avenue was initially constructed in 1956 as a church for the Redeemer Presbyterian Church congregation. The building, a one-story Ranch style building with minimal traditional details has been substantially altered since its original construction. Irregular in plan, the building sits on a concrete foundation and has a stucco exterior, save for a portion of the north elevation which features a brick façade. Its cross-hipped roof with a front gable portion features a brick chimney and has asphalt shingle roofing. Windows are aluminum casement, several feature horizontal lights. The primary, north, elevation faces East Rosecrans Avenue, fronting South Clymar Avenue and is comprised of three bays, each projecting from the next. The central entry features a paired door with horizonal pane casement windows above. The west elevation features a loggia that continues across the building's recessed north elevation, with a lawn area in the remainder of building's L-shaped footprint. Architectural details characteristic of the minimal traditional style include minimal timber detailing at the roofline at the north and west elevations. Ranch style details include the brick façade, the low-pitch cross-gable roof, and aluminum casement windows. Alterations include a rear addition, Molbon Hall, completed by 1972, which transformed the original T-shaped floorplan to present-day irregular plan (NETR 1972). The building was further updated in 1977 when the former church sanctuary ceiling was lowered. The exterior received its stucco finish in 1980. The brick veneer exterior was also added in 1980 (LA County DPW 1980).

Figure 3 900 East Rosecrans North Elevation, Facing South

As described above, for a building to qualify as a historical resource under CEQA, it must possess significant associations within a defined historic context and retain sufficient historic integrity to convey those significant associations. A review of historic newspapers and online historic repositories failed to reveal consequential information related to the site's history and failed to indicate any documented association with events significant to our past.

Although the Project site is located in unincorporated Los Angeles County, the City of Los Angeles' citywide historic resources SurveyLA provides historic context statements and an evaluative framework which is generally applicable to the subject property.[1] Following the methodology and framework provided for under the historic context *Public and Private Institutional Development, 1850-1980* under the theme of *Religion and Spirituality, 1850-1980* and sub-theme of *Religious Property Types, 1850-1980*, a religious property type constructed during this era must retain integrity of location, design, and association to be eligible as a historical resource.

Location is the particular point or position where the historic property was constructed. Located at the corner of East Rosecrans Avenue and South Cahita Avenue, fronting South Clymar Avenue, the building at 900 East Rosecrans Avenue is in its historic location and retains integrity of location. Design is the combination of elements that creates the form, plan, space, structure, and style of a property and reflects its historic function. The building was significantly modified over time and its initial function as a church was subsumed by the adjacent church, relocated to the site from Hawthorne in 1980. At that time, the building began to be used as a preschool. The building was significantly altered with the addition of Molbon Hall in the early 1970s and updates to the exterior materials, including the addition of the brick façade and updated stucco exterior in the 1980s. The cumulative effect of these changes

[1] The City of Los Angeles has an active citywide survey program to identify and evaluate historic resources for long-term planning purposes. Known as SurveyLA, the citywide historic resources survey organizes projects by Community Planning Areas and uses multiple-property document driven historic context statements.

resulted in loss of the building's original design and it no longer retains integrity of design. Feeling is a property's expression of aesthetic of historic sense of a particular period of time. To have the aspect of feeling, physical features that express the historic character must remain. The effects of the alterations described above have removed any features that express the building's historic character. The building no longer retains integrity of feeling. Association, or the direct link between an important historic event or person and a historic property, is also insufficient. There does not appear to be a relationship between the building and a historic event. Therefore, it lacks integrity of association. Considering the building does not retain sufficient integrity, does not appear eligible for listing in the CRHR and is not considered a historic resource for the purposes of CEQA.

Findings and Recommendations

Green Dot Public Schools, in conjunction with the County of Los Angeles, retained Rincon to complete a cultural resource assessment of the Green Dot - Compton Amino Project in Los Angeles County, California. The assessment includes a cultural resources records search, Sacred Lands File Search and Native American Contacts program, a cultural resources site inspection of the Project site, and preparation of this technical memorandum.

The results of the study did not identify prehistoric cultural resources on the Project site. The historic-era building on the Project site does not qualify as a resource under CEQA. The extant data indicate that the Project site exhibits a relatively low sensitivity for containing intact, subsurface archaeological deposits. The lack of reported prehistoric resources within 0.5 mile of the Project site indicates that the area is not highly sensitive for prehistoric archaeological remains.

Based on these findings, Rincon recommends a finding of ***no impact to historical resources*** and ***less than significant impact with mitigation for archaeological resources*** under CEQA.

Rincon presents the following mitigation measures in case of unanticipated discovery of cultural resources during Project development. The Project is also required to adhere to regulations regarding the unanticipated discovery of human remains, detailed below.

Unanticipated Discovery of Archaeological Resources

If cultural resources are encountered during ground-disturbing activities, work in the immediate area must halt, and an archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (National Park Service 1983) should be contacted immediately to evaluate the find. If the discovery proves to be significant under CEQA, additional work such as data recovery excavation, Native American consultation, and archaeological monitoring may be warranted to mitigate any significant impacts.

Unanticipated Discovery of Human Remains

If human remains are found, existing regulations outlined in the State of California Health and Safety Code Section 7050.5 state that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to PCR Section 5097.98. In the event of an unanticipated discovery of human remains, the County Coroner must be notified immediately. If the human remains are determined to be prehistoric, the Coroner will notify the Native American Heritage Commission, which will determine and notify a most likely descendant (MLD). The MLD shall complete

the inspection of the site within 48 hours of being granted access and provide recommendations as to the treatment of the remains to the landowner.

Please do not hesitate to contact Rincon with any questions regarding this cultural resource study.

Sincerely,

Rincon Consultants, Inc.

Amanda R. Harvey, Ph.D., RPA
Senior Archaeologist

Shannon Carmack
Principal

References

Historic Aerials, NETRonline

2021 900 East Rosencrans, Los Angeles County, CA. Electronic Document, online at www.historicaerials.com, accessed June 2021.

Historic Resources Group (HRG)

2011 *SurveyLA Los Angeles Historic Resources Survey: Historic Resources Survey Report: Hollywood Community Plan Area*. August, revised 2015.

Los Angeles County Assessor Portal

2021 Los Angeles County Assessor Portal. Electronic Document, online at https://portal.assessor.lacounty.gov/, accessed June 2021.

Los Angeles County Department of Public Works (LA DPW)

2021 Los Angeles County Building Permit Viewer. Electronic Document, online at https://dpw.lacounty.gov/bsd/bpv/, accessed July 2021.

Elaine Foster

From: Elaine Foster
Sent: Friday, May 21, 2021 11:28 AM
To: South Central Coastal Information Center
Subject: 900 E Rosecrans Project Records Search Request
Attachments: 900 E Rosecrans CHRIS Request.pdf; RS_SCCIC_Submittal.zip; CR Records Search Map.pdf

Hello,
Please see the attached records search request for the 900 E Rosecrans Project. Let me know if anything else is needed. Also, if you are able, please let me know an estimated date of completion for this request. Much appreciated.

Cheers,
Elaine Foster, MA, RPA
Archaeologist
(She/Her)
Rincon Consultants, Inc.
Environmental Scientists | Planners | Engineers
213-788-4842 x3016
510-379-7006 Direct
rinconconsultants.com

Elaine Foster

From: South Central Coastal Information Center <sccic@fullerton.edu>
Sent: Monday, June 28, 2021 8:34 AM
To: Elaine Foster
Subject: [EXT] SCCIC #22480.8621 Results for 900 E Rosecrans Project Records Search Request

Hello,

I have sent you the results for the above named job via Dropbox. Please use the password L#35ks3 to unzip the files. You may need to download 7-zip if you do not already have it. It is available free at www.7-zip.org. Once you have unzipped them, please save the files to your personal computer, as they will be removed from Dropbox by the end of the month. Let me know if you have any issues. Thank you.

Best,
Michelle Galaz, M.A.
Assistant Coordinator

Thank you for using the California Historical Resources Information System (CHRIS)
South Central Coastal Information Center
California State University, Fullerton
Department of Anthropology, MH 426
800 N. State College Blvd.
Fullerton, CA 92831-3599
Office Phone 657.278.5395
sccic@fullerton.edu

From: Elaine Foster <efoster@rinconconsultants.com>
Sent: Friday, May 21, 2021 11:28 AM
To: South Central Coastal Information Center <sccic@fullerton.edu>
Subject: [External] 900 E Rosecrans Project Records Search Request

Hello,
Please see the attached records search request for the 900 E Rosecrans Project. Let me know if anything else is needed. Also, if you are able, please let me know an estimated date of completion for this request. Much appreciated.

Cheers,
Elaine Foster, MA, RPA
Archaeologist
(She/Her)
Rincon Consultants, Inc.
Environmental Scientists | Planners | Engineers

213-788-4842 x3016
510-379-7006 Direct
rinconconsultants.com


Please consider the environment before printing this email.

Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
LA-01290		1983	Chavez, David	Cultural Resources Evaluation for the Compton Co-generation Plant, City of Compton, California		

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-19-190179		OHP Property Number - 097876; Resource Name - McKinley Elementary School	Building	Historic	HP15	1994 (Christy J. McAvoy, Historic Resources Group)	

Appendix B

Sacred Lands File Request

Sacred Lands File & Native American Contacts List Request

NATIVE AMERICAN HERITAGE COMMISSION
1550 Harbor Blvd, Suite 100
Sacramento, CA 95814
(916) 373-3710
(916) 373-5471 – Fax
nahc@nahc.ca.gov

Information Below is Required for a Sacred Lands File Search

Project: Green Dot Charter School Project: 900 East Rosecrans. Rincon Project #21-10990

County: Los Angeles

USGS Quadrangle Name: Inglewood Quadrangle

Township: 3S Range: 13W Section(s): 16-17 and 20-21

Company/Firm/Agency: Rincon Consultants, Inc.

Contact Person: Derek Reaux

Street Address: 250 East 1st Street, Suite 1400

City: Los Angeles Zip: 90012

Phone: 213-788-4842

Email: dreaux@rinconconsultants.com

Project Description:

The proposed project involves the development of a charter middle/high school accommodating a maximum enrollment of 600 students and 45 staff members. The Project will include the construction of a new two-story classroom building on the eastern portion of the ~1.8-acre Project site. Additionally, the Project will repurpose the existing preschool building into a multipurpose room (administrative, restrooms, breakroom, and servery). No changes to the existing church are proposed for this project. The current surface parking lot on the property will provide parking for the proposed school and the church that is on/adjacent to the Project site.

NATIVE AMERICAN HERITAGE COMMISSION

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

July 8, 2021

Derek Reaux
Rincon Consultants, Inc.

Via Email to: dreaux@rinconconsultants.com

Re: Green Dot Charter School Project, Los Angeles County

Dear Mr. Reaux:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Native American Contact List
Los Angeles County
7/8/2021

Gabrieleno Band of Mission Indians - Kizh Nation
Andrew Salas, Chairperson
P.O. Box 393 — Gabrieleno
Covina, CA, 91723
Phone: (626) 926 - 4131
admin@gabrielenoindians.org

Gabrieleno/Tongva San Gabriel Band of Mission Indians
Anthony Morales, Chairperson
P.O. Box 693 — Gabrieleno
San Gabriel, CA, 91778
Phone: (626) 483 - 3564
Fax: (626) 286-1262
GTTribalcouncil@aol.com

Gabrielino /Tongva Nation
Sandonne Goad, Chairperson
106 1/2 Judge John Aiso St., #231 — Gabrielino
Los Angeles, CA, 90012
Phone: (951) 807 - 0479
sgoad@gabrielino-tongva.com

Gabrielino Tongva Indians of California Tribal Council
Christina Conley, Tribal Consultant and Administrator
P.O. Box 941078 — Gabrielino
Simi Valley, CA, 93094
Phone: (626) 407 - 8761
christina.marsden@alumni.usc.edu

Gabrielino Tongva Indians of California Tribal Council
Robert Dorame, Chairperson
P.O. Box 490 — Gabrielino
Bellflower, CA, 90707
Phone: (562) 761 - 6417
Fax: (562) 761-6417
gtongva@gmail.com

Gabrielino-Tongva Tribe
Charles Alvarez,
23454 Vanowen Street — Gabrielino
West Hills, CA, 91307
Phone: (310) 403 - 6048
roadkingcharles@aol.com

Santa Rosa Band of Cahuilla Indians
Lovina Redner, Tribal Chair
P.O. Box 391820 — Cahuilla
Anza, CA, 92539
Phone: (951) 659 - 2700
Fax: (951) 659-2228
lsaul@santarosa-nsn.gov

Soboba Band of Luiseno Indians
Isaiah Vivanco, Chairperson
P. O. Box 487 — Cahuilla
San Jacinto, CA, 92581 — Luiseno
Phone: (951) 654 - 5544
Fax: (951) 654-4198
ivivanco@soboba-nsn.gov

Soboba Band of Luiseno Indians
Joseph Ontiveros, Cultural Resource Department
P.O. BOX 487 — Cahuilla
San Jacinto, CA, 92581 — Luiseno
Phone: (951) 663 - 5279
Fax: (951) 654-4198
jontiveros@soboba-nsn.gov

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Green Dot Charter School Project, Los Angeles County.

LK Geotechnical Engineering, Inc.
10120 National Boulevard, Los Angeles, CA 90034
Engineer: 626.328.4346; Geologist: 310.866.8977

GEOTECHNICAL INVESTIGATION REPORT
PROPOSED 2-STORY CLASSROOM BUILDING
900 EAST ROSECRANS AVENUE
COUNTY OF LOS ANGELES, CALIFORNIA

May 28, 2021
LKGE Project No. 20-0711

FOR

Green Dot Public Schools California
1149 S. Hill Street, Ste 600
Los Angeles, CA 90015

May 28, 2021
LKGE Project No. 20-0711

Green Dot Public Schools California
1149 S. Hill Street, Ste 600
Los Angeles, CA 90015
c/o Pacific Charter School Development

Attn: Mr. Joe Wilson

Subject: **GEOTECHNICAL INVESTIGATION REPORT**
Proposed 2-Story Classroom Building
900 East Rosecrans Avenue
County of Los Angeles, California

Dear Green Dot Public Schools California,

Pursuant to your request, LK Geotechnical Engineering, Inc. has completed a geotechnical investigation and prepared this report for the proposed improvements at the subject site. The primary objective of this investigation was to provide our best estimate of the geotechnical factors that pertain to the gross stability of the proposed improvements and to evaluate alternatives for a foundation system for the proposed structures.

The report includes a description and an evaluation of the soil materials and provides soils engineering recommendations for construction of the proposed improvements. This report is intended for submittal to the appropriate governmental authorities that control the issuance of necessary permits.

Based on our findings, the proposed project is geotechnically feasible, provided that the recommendations in this report are incorporated into the design and are implemented during construction of the project.

If you have any questions regarding the information contained in this report, please feel free to call this office.

Sincerely,
LK GEOTECHNICAL ENGINEERING, INC.

Sean Lin, G.E. 2921
Principal Engineer

SL:mk

TABLE OF CONTENTS

List of Plates

List of Appendices

1. SCOPE OF WORK

To prepare this report, we have performed the tasks described in the following subsections:

1.1. Literature Review

We reviewed geological literature including geologic maps, topographic maps and aerial photographs relevant to the subject site in preparation of this report. A list of literature reviewed is presented in the "References" section of this report.

1.2. Field Exploration

We performed field exploration consisting of logging of two (2) exploratory soil borings on May 14, 2021. The exploration was performed using an 8-inch diameter hollow-stem auger drill rig. The borings were advanced to a maximum depth of approximately 41.5-feet below existing grade. The approximate boring locations are shown on Plate 1. Detailed descriptions of the soils encountered during drilling are presented in Appendix A – Field Exploration.

1.3. Field Percolation Testing

We performed a percolation testing by using one of the exploratory borings to determine the infiltration rate of on-site soil. Detailed testing data is presented in Appendix A – Field Exploration.

1.4. Geotechnical Laboratory Testing

Representative soil samples collected from our field exploration were delivered to the EGLab, Inc. (EGL) of Arcadia, California for testing, and to evaluate relevant engineering properties. The detailed laboratory test results are presented in Appendix B – Laboratory Testing. Based on our review of the laboratory data, LKGE concurs with and accept the laboratory testing results performed by EGLab, Inc.

1.5. Engineering Analysis and Report Preparation

We compiled all geological and geotechnical data obtained from literature review, field exploration and laboratory test results, and then prepared this report to present our findings and the geotechnical recommendations, including seismic considerations, grading, foundations, foundation setback, retaining walls, floor slabs, temporary excavations, and drainage.

2. PROPOSED DEVELOPMENT AND SITE DESCRIPTION

2.1. Proposed Development

It is our understanding that the proposed project consists of constructing a 2-story classroom building and remodeling existing buildings. The proposed structures are shown on Plate 1 – Site Plan and Geotechnical Exploration Map.

2.2. Site Description

The project site is located at 900 East Rosecrans Avenue in the County of Los Angeles, California. The site is bounded by Rosecrans Avenue on the north and residential houses on the west, south and east.

The site is currently occupied with a church building, several 1-story buildings, surface parking lot, landscape and a few trees. The proposed classroom building site is located at the current playground and grass area at the southeast portion of the site.

The proposed building site is essentially level. The regional topographic gradient is approximately 0.5 percent toward the southwest. Drainage across the site is by uncontrolled sheet flow to the adjacent sidewalks, street, as well as by infiltration within unpaved areas.

3. SITE GEOLOGY AND SUBSURFACE CONDITIONS

3.1. Regional Geology

According to the regional geologic map (Dibblee, 2007), the project the site is underlain by alluvium (Qa). This material composes primarily clay, silty sand and sand with silt. A portion of the geologic map is reproduced as Plate 2 – Regional Geologic Map.

3.2. Subsurface Earth Materials

Based on our field exploration, the earth materials observed at the site consist of artificial fill and alluvium.

3.2.1. Artificial Fill (Af)

Artificial fill consisting of brown sandy clay was encountered within our soil borings at the site. The fill is on the order of 1- to 2-feet in thickness within our exploratory borings. The artificial fill depths may vary across the site. Artificial fill is not considered suitable for foundation support and requires mitigation for support of any structures.

3.2.2. Alluvium (Qa)

Alluvium consisting of brown sandy clay, clayey sand, poorly-graded sand with silt, silty sand and sandy silt was encountered in our exploratory borings at the site. Alluvium was observed to be medium dense and slightly moist to moist. The undisturbed alluvium

is considered suitable for foundation or slab support for the proposed structures and/or for support of new compacted fill, provided that our recommendations are followed and integrated into the improvement plans.

3.3. Groundwater

No groundwater was observed within our exploratory boring B-1 to a maximum depth of 41.5 feet. According to the State of California, Seismic Hazard Zone Report of the Inglewood Quadrangle, the site is located within an area with historically highest groundwater level reportedly at approximately between 30- and 40-feet below ground surface (see Plate 4). The current groundwater level appears to be well below the level of the proposed structures. It should be noted that local fluctuations in groundwater levels may occur due to seasonal variations in rainfall, irrigation and water line leaks.

4. GEOLOGIC AND SEISMIC HAZARDS EVALUATION

4.1. Seismic Hazard Zones Evaluation

The southern California region is seismically active and commonly experiences strong ground shaking resulting from earthquakes along active faults. Ground shaking resulting from a moderate to major earthquake (Magnitude 6.0 or greater) can be expected during the lifespan of the existing and/or proposed structures. Property owners and the general public should be aware that any structure or slope in the southern California region could be subject to significant damage as a result of a moderate or major earthquake. The hazards associated with seismic activity in the vicinity of the site are discussed and evaluated in the following sections.

4.1.1. Earthquake Fault Zone

The State of California established the Alquist-Priolo Earthquake Fault Zoning Act in 1972 which went into effect in 1973. The purpose of this Act is to prohibit the construction of most structures for human occupancy across the traces of active faults and to mitigate the hazard of fault rupture. An "active fault" is defined by the State Mining and Geology Board as one which had surface displacement within the Holocene era (+/- 11,000 years) and is well defined at the surface. The term “sufficiently active” has been used if there is evidence of Holocene surface displacement along one or more of its segments or branches.

The Act was renamed the Alquist-Priolo Special Studies Zones Act in 1975 and then Alquist-Priolo Earthquake Fault Zoning Act in 1994. The original designation “Special Studies Zones” has been renamed “Earthquake Fault Zones”. Under the Act, the State Geologist is required to delineate Earthquake Fault Zones (EFZ) along active faults in California. Development within these zones must include geologic investigations demonstrating that the sites are not threatened by surface displacement from future faulting. The California Geologic Survey (CGS) is required to delineate active faults, compile maps of EFZs and submit such Official Maps to the public and continually review and revise EFZs based on new geologic and seismic data. EFZ boundaries on early maps were positioned about 660 feet (200 meters) away from the fault traces to

accommodate imprecise locations of the faults and possible existence of active branches. The policy since 1997 is to position the EFZ boundaries about 500 feet (150 meters) away from major active faults and about 200 to 300 feet (60 to 90 meters) away from well defined, minor faults.

Based on our review of the California Seismic Hazard Zones map (see Plate 3), the site is not located within an Earthquake Fault Zone. The closest known fault is the Newport-Inglewood Fault which is mapped about 0.2-miles west of the site.

4.1.2. Soil Liquefaction Potential

Soil liquefaction occurs when the pore pressures generated within a soil mass approach the effective overburden pressure. Liquefaction of soils may be caused by cyclic loading such as that imposed by ground shaking during earthquakes. The increase in pore pressure results in a loss of strength, and the soil then can undergo both horizontal and vertical movements, depending on the site conditions. Other phenomena associated with soil liquefaction include sand boils, ground oscillation, and loss of foundation bearing capacity. Liquefaction is generally known to occur in loose, saturated, relatively clean, fine-grained cohesionless soils at depths shallower than approximately 50 feet. Factors to consider in the evaluation of soil liquefaction potential include groundwater conditions, soil type, grain size distribution, relative density, degree of saturation, and both the intensity and duration of ground motion.

Based on our review of the California Seismic Hazard Zones map (see Plate 3), the site is not located within a potential liquefaction hazard zone. Based on relative dense soil encountered at the site, it is our professional opinion that the liquefaction potential at the site is very low. Consequently seismically-induced settlement is negligible.

4.2. CBC Seismic Design Parameters

The future structures should be designed by the structural engineer in accordance with the applicable seismic building code. Based on our geotechnical investigation, the subject site is classified as Site Class D in accordance with the 2019 California Building Code that refers to the ASCE 7-16.

Per Section 11.4.8 of ASCE 7-16, structures shall be designed for the seismic response coefficient C_s determined by Eq. (12.8-2) for values of $T \leq 1.5\ T_s$ and taken as equal to 1.5 times the value computed in accordance with either Eq. (12.8-3) for $T_L \geq T > 1.5\ T_s$ or Eq. 37.5 (12.8-4) for $T > T_L$, where

T = the fundamental period of the building
$T_s = S_{D1}/S_{DS}$
T_L = long-period transition period

The design spectral response acceleration parameters presented on the following table generated by the Applied Technology Council (ATC) website, may be utilized for seismic design:

Site location (latitude, longitude): (33.9015, -118.2598)				
Spectral Period, T (second)	MCE_R ground motion (g)	Site-modified Spectral acceleration (g)		**Seismic design acceleration (g)**
0.2	S_s = 1.786	F_a = 1.0	S_{MS} = 1.786	**S_{DS} = 1.190**
1.0	S_1 = 0.635	F_v = 1.7	S_{M1} = 1.080	**S_{D1} = 0.719**
Site modified peak ground acceleration PGA_M = 0.847 g				
Long-period transition period T_L = 8 second				
Seismic Design Category = D				

If seismic response coefficient C_s recommended above is not applicable for structural design, our office can perform a site-specific ground motion hazard analysis upon the project structural engineer's request.

5. GEOTECHNICAL ENGINEERING RECOMMENDATIONS

5.1. Geotechnical Overview

Based on the findings of our investigation, the site is considered to be suitable from a soils engineering standpoint for construction of the proposed structures, provided the recommendations included herein are followed and integrated into the building and/or grading plans.

The following is a list of geotechnical considerations for this project:

- Surficial disturbed soil was encountered at the site. We recommend that the proposed 2-story building be supported on conventional footings bearing on new certified compacted fill blanket benched into the underlying, firm native soil.

- Based on our soil classification, the near surface soil has "medium" expansive potential. Mitigation for expansive soil has been incorporated into our recommendations.

- On-site near surface soil is considered "corrosive" to ferrous metal based on the laboratory testing results.

Our geotechnical engineering analyses performed for this report were based on the preliminary information provided to us. If the design substantially changes, then our geotechnical engineering recommendations would be subject to revision based on our evaluation of the changes.

5.2. Expansive Soil Evaluation

Expansive soils are characterized by their ability to undergo significant volume changes (shrink or swell) due to variations in moisture content. Changes in soil moisture content can result from rainfall, landscape irrigation, utility leakage, roof drainage, perched groundwater, drought, or other factors, and may cause unacceptable settlement or heave of structures, concrete slabs supported on-grade, or pavements supported over these materials. Depending on the extent and location below finished subgrade, these soils could have a detrimental effect on the proposed construction.

Based on our field soil classifications, the near surface soil has a “medium” expansive potential. Mitigation for expansive soil has been incorporated into our recommendations.

5.3. Collapsible Soil Evaluation

Based on our review of the laboratory testing results, the on-site near surface soil has a “none” collapsible potential. Mitigation for collapsible soil is not considered necessary.

5.4. Corrosive Soil Evaluation

The potential for the near-surface on-site materials to corrode buried steel and concrete improvements was evaluated preliminarily. In accordance with the Caltrans Corrosive Guidelines, corrosive soil is defined as the soil has a pH less than 5.5, or chloride concentration greater than 500 ppm, or sulfate concentration in soils greater than 2,000 ppm, or minimum resistivity less than 1,000 ohm-centimeters. Laboratory testing was performed to evaluate pH and electrical resistivity, as well as chloride and sulfate contents. These laboratory test results are presented in Appendix B.

Based on our review of laboratory test results, the followings are our findings:

- Based on chloride conetent test results, the on-site soils is <u>not</u> considered corrosive to reinforcing steel in concrete structures and pipes.

- Based on sulfate conetent test results, the on-site soils is <u>not</u> considered corrosive to concrete in accordance with ACI 318, Table 4.3.1. As a minimum, we recommend that Type I or II cement and a water-cement ratio of no greater than 0.5 be used on the project.

- Based on soil resistivity results, the on-site soil is considerred corrosive to buried ferrous metals.

In general, conventional corrosion protection measures for metal in contact with soil may include the following:

- Underground steel utilities should be given a high-quality protective coating such as 40 mil extruded polyethylene, 20 mil plastic tape over primer per AWWA Standard C209, or hot applied coal tar enamel or tape per AWWA Standard C203.

-

- All underground steel should be electrically insulated from above ground steel, dissimilar metals, and cement-mortar or concrete coated steel.

- Underground steel pipe should be bonded for electrical continuity if rubber-gasketed, mechanical, grooved-end, or other non-conductive type joints are used. In addition, cathode protection is recommended for underground steel utilities.

If special corrosion protection is required for certain performance criteria determined by the project designer, a corrosion specialist should be consulted regarding suitable types of piping and appropriate protection for underground metal conduits.

5.5. Stormwater Infiltration Evaluation

Percolation testing was performed using the falling head boring test method in accordance with the Los Angeles County Guidelines. The water level was measured to the nearest tenth of a foot and converted to inches in the calculation. The infiltration rate is shown in the table below and the raw data is attached in Appendix A.

Soil Infiltration Rate

Boring No.	Total Depth of Boring (ft)	Depth of Testing Zone (ft)	Soil Description of Testing Zone	Infiltration Rate (inch/hour)
B-2	20	15 – 20	Sand with Silt	3.46

The project civil engineer should review the raw data of percolation test to determine infiltration rate for design of the proposed infiltration system. The proposed infiltration BMP system should comply with the following setbacks in accordance with County of Los Angeles guideline.

Stormwater Infiltration BMP Facility Setback Requirements

Setback from	Distance
Groundwater elevation	Invert of shall be at least 10 feet above
Building foundations	15 feet or within 1:1 plane drawn up from the bottom of foundation, whichever is greater
Groundwater production wells used for drinking water	100 feet

5.6. Site Preparation and Earthwork

Prior to construction/grading, the area of the proposed development should be clear of any loose surficial soils, vegetation and/or man-made debris. Demolition debris and other unsuitable materials should be stripped and removed from the site. Water lines or other old utility lines or installations to be abandoned should be removed or crushed in place. Holes resulting from removal of buried obstructions which extend below finished site grades should be backfilled with compacted soils.

5.6.1. Over-Excavation and Subgrade Preparation

For the proposed building, we recommend over-excavate at least 3-feet below the proposed footing bottom, or 5-feet below the existing grade, whichever is deeper, and then place with compacted fill. The lateral extent of the over-excavation should be at least 5-feet beyond the edge of footing (where space permits) or equidistant to the thickness of fill below footing, whichever is greater.

For any ancillary structures (i.e. property line fence walls, canopies, trash enclosure, etc.), footing may be supported on new compacted fill. We recommend over-excavate at least 1 foot below the footing bottom, or to the depth of disturbed soil/undocumented fill, whichever is deeper. The lateral extent of the over-excavation should be equidistant to the thickness of fill below footing (where space permits).

For pavement and hardscape (patios, steps, walkways, etc.), we recommend scarify 6 inches below the subgrade, or to the depth of undocumented fill, whichever is deeper, and then recompact to 90% relative compaction.

Any excavated bottoms for footings or to receive new compacted fill should be inspected and approved by a representative from LKGE. prior to compaction work. Deeper excavations may be required in areas where soft, saturated, or unsuitable materials, for example, tree root balls or undocumented fill are encountered.

5.6.2. Compaction

On-site materials are considered to be suitable for compaction, provided that all deleterious materials are removed from the site prior to compaction.

All new compacted fill should be compacted to at least 90 percent of the maximum dry density, as determined by the current ASTM D1557 and at about 2 percent above optimum moisture content. Fill should be placed in horizontal lifts of approximately 8 inches in loose thickness, and then compacted by mechanical methods, using sheepsfoot rollers, multiple wheel pneumatic tired rollers, or other appropriate compacting rollers.

It may be necessary to import soils to the site to be used as compacted fill. Imported materials should be a sandy type of material and approved by the geotechnical engineer prior to transporting to the job site. The sandy material should not have an Expansion Index which exceeds 20 and should not contain rocks larger than 8-inches maximum size.

5.6.3. Utility Trench Backfill

Trench excavations to receive backfill shall be free of trash, debris or other unsatisfactory materials at the time of backfill placement. The utility should be bedded with clean sand to at least one foot over the crown. The bedding sand should have a sand equivalent (SE) of 30 or greater. The remainder of trench backfill may be onsite soils compacted to 90 percent of the laboratory maximum dry density as per ASTM D1557.

5.6.4. Shrinkage/Bulking Due to Compaction

Based on our review of the in-situ soil density data, preliminary volumetric shrinkage on the order of 10 to 15 percent as a result of compaction of onsite soil may be assumed.

5.6.5. Excavation Characteristics

The earth materials underlying the site should be generally excavatable with heavy-duty earthwork equipment in good working condition. Some gravels and man-made debris should be anticipated within the fill soils. Cave-in conditions should be anticipated in the sandy soil during temporary excavation.

5.7. Conventional Footings for Building

Conventional footings can be used for support of the proposed structures, provided footings are founded on firm compacted fill. The reinforcement of footings shall be designed by the project structural engineer.

Continuous footings should be at least 18 inches in width and at least 24 inches deep below lowest adjacent grade into firm compacted fill, and may be designed using an allowable bearing pressure of 2,000 psf.

Square footings should be at least 24 inches in width and at least 24 inches deep below lowest adjacent grade into firm compacted fill, and may be designed using an allowable bearing pressure of 2,000 psf.

The allowable bearing capacity can increase 350 psf for each additional foot of width, and 450 psf for each additional foot of depth to a maximum allowable capacity of 5,000 psf.

The bearing pressure given is for the total of dead and frequently applied live loads and may be increased by one-third for short duration loading which includes the effects of wind or seismic forces.

The estimated static settlement is expected to be less than ½ inch with differential settlement estimated to be less than ¼ inch within a span of 30 feet. Settlement of the proposed foundation system supported in dense sand is expected to occur on initial load application.

Resistance to lateral loading may be provided by friction acting at the base of foundations and by passive earth pressure within compacted fill. An allowable coefficient of friction of 0.3 may be used with the dead load forces. Passive earth pressure may be computed as an equivalent fluid having a density of 300 pcf with a maximum earth pressure of 4,500 psf. When combining passive and friction for lateral resistance, the passive component should be reduced by one-third.

5.8. Conventional Footings for Ancillary Structures

For light-weight ancillary structures (e.g. fence walls, trash enclosures, planter walls, etc.), conventional shallow footings can be used, provided that footings are placed on firm native alluvium or compacted fill per our “Site Preparation and Earthwork” recommendations.

For the design of spread footings for other light-weight structures, we recommend the bottom of square or continuous footings be founded at least 12 inches below the proposed ground surface. A minimum footing width of 18 inches is recommended for square footings and 12 inches for continuous footings. The allowable bearing value for footings with above minimum sizes is 1,500 psf for dead plus live load. Based on the allowable net bearing pressures presented above, static settlement is anticipated to be less than ½ inch. Differential settlement is expected to be up to one-half of the total settlement over a 30-foot span. Most of the static settlement at the project site is expected to occur immediately after the application of the load.

Resistance to lateral loading may be provided by friction acting at the base of foundations and by passive earth pressure. An allowable coefficient of friction of 0.3 may be used with the dead load forces. Passive earth pressure may be computed as an equivalent fluid having a density of 300 pcf with a maximum earth pressure of 4,500 psf. When combining passive and friction for lateral resistance, the passive component should be reduced by one-third.

5.9. Slab-On-Grade

Concrete slab-on-grade may be used for the proposed building and should be supported on compacted fill, per the “Site Preparation and Earthwork” recommendations. A vertical unit modulus of subgrade reaction (k_1) of 120 pci based on a 1’x1’ load plate can be assumed for structural design.

Concrete slabs should be at least 4 inches thick and should be reinforced with a minimum of #4 rebar spaced not exceeding 16 inches on center, each way. The project structural engineer should design the reinforcement of slab based on the design performance criteria.

5.10. Moisture Retarder

Slabs to be covered with flooring should be protected by an acceptable plastic vapor retarder/barrier (minimum 10 mil thickness) placed on the firm subgrade. If moisture vapor transmission is a concern to the facility owner, an expert should be consulted to provide additional recommendations for the design and construction of slabs in moisture sensitive flooring areas.

5.11. Hardscape

Patios, steps, walkways, etc. are not normally subject to building code requirements for structural support. In order to reduce the potential for distress due to potential settlement, the hardscape should be supported by compacted fill, and it may be desirable to provide additional steel and concrete thickness determined by the project structural engineer. At a minimum, hardscape slab should be reinforced with a minimum of #4 rebar spaced at a maximum distance of 16 inches on center, each way. It should be noted that hardscape constructed to the preceding specification may be subject to distress over time. Periodic maintenance or replacement may be necessary.

5.12. Pavement

Prior to placing pavement structural section, the subgrade shall be prepared in accordance with the recommendations in “Site Preparation and Earthwork” section.

A flexible pavement section consisting of 3 inches of asphalt concrete over 4 inches of base material should be used. A flexible pavement section consisting of 4 inches of concrete over 6 inches of base material should be used for service lanes (truck and loading area), if applicable. The base material should be crushed aggregate base.

As an alternative, a rigid pavement section consisting of Portland Cement Concrete (PCC) can be used. The traffic loading is expected to be primarily light vehicles. Recommendations for the rigid concrete pavement design is provided herein on the following table.

Concrete Thickness	5 inches
95 Percent Compacted Subgrade	12 inches
Contraction Joint Spacing	10 ft.
Depth of Joint	1 inch
Compressive Strength of Concrete @ 28 days	3500 psi
Modulus of Rupture of Concrete @ 28 days	550 psi

Concrete slabs should be separated from other structures or fixed objects within or abutting the paved area by isolation joints. This serves to offset the effects of the differential horizontal and vertical movements of the structures which may fracture the concrete slab. When isolation joints are located where wheel and other loads are applied, the pavement edge at the joint should be thickened by 20 percent or two inches, whichever is greater.

A joint filler should be applied to any new isolated joints within the concrete slab. The joint filler should extend through the slab thickness and should be recessed below the pavement surface so that the joint can be sealed with joint sealant material. The types of joint filler materials recommended include bituminous mastic, bituminous impregnated cellulose or cork, sponge rubber, or resin-bound cork. Joint filler materials should be installed in accordance with the recommendations of the manufacturer.

5.13. Drainage Protection

All pad and roof drainage should be collected and transferred to the street or an approved area in non-erosive drainage devices. Drainage should not be allowed to pond on the pad or against any foundation or retaining wall.

We recommend a minimum 5 percent slope away from the building foundations for a horizontal distance of 3 feet be established for any landscape areas immediately adjacent to the building foundations. In addition, we recommend a minimum 2 percent slope away from the building foundations be established for any impervious surfaces immediately adjacent to

the building foundations for a minimum horizontal distance of 10 feet. Lastly, we recommend the installation of roof gutters and downspouts which deposit water into a buried drain system be installed instead of discharging surface water into planter areas adjacent to structures.

It is the responsibility of the contractor and ultimately the developer and/or property owner to ensure that all drainage devices are installed and maintained in accordance with the approved plans, our recommendations, and the requirements of all applicable municipal agencies. This includes installation and maintenance of all subdrain outlets and surface drainage devices.

It is recommended that watering be limited or stop altogether during the rainy season when little irrigation is required. Over-saturation of the ground can cause major subsurface damage. Maintaining a proper drainage system will minimize the shrink/swell potential of sub-soils.

5.14. Pre-Construction Survey

We recommend that the client's representative prepare a pre-construction survey prior to site development. The pre-construction survey should document existing site conditions and performance of offsite structures (i.e. property line block walls and fences) prior to construction (where applicable). If adverse conditions are encountered during excavations, additional recommendations may be necessary.

6. SECTION 111 STATEMENT

It is the finding of this firm that the proposed structures will be safe and that they will not be affected by any hazard from landslide, liquefaction, lateral spreading, slope instability, flood hazard, tsunamis, seiches, settlement or slippage and the completed work will not adversely affect adjacent property, in compliance with the Los Angeles County code, provided that our recommendations are followed.

7. GENERAL INFORMATION

Accuracy of Provided Drawings

LK Geotechnical Engineering, Inc. (LKGE) investigation, analysis, findings and/or recommendations of a site, with respect to the proposed improvements, are often dependent on several factors or information provided to LKGE by the client and/or the client's representative(s). Provided information or Drawings may include topographic surveys, architectural drawings, engineering plans and/or grading plans. It is LKGE's assumption that the provided Drawings, to be utilized as part of our investigation, accurately depict topographic conditions, existing and/or proposed structures and grades, property lines, easements, etc. It should be understood that LKGE's use of the provided Drawings does not mean or confirm that the provided Drawings are accurate. If revisions are made to the site Drawings, these documents should be submitted to LKGE as soon as possible. Additional exploration, analysis and/or revised recommendations may be necessary depending upon our review of the revised Drawings, etc.

Environmentally Hazardous or Non-Hazardous Materials

It should be clearly understood that environmental geologic services are not within the scope of this study. Environmental geologic services may include the detection of hazardous or non-hazardous materials, wastes or substances existing on the site from research of available records, exploratory methods, sampling, laboratory analysis, etc. or the recommended treatment and/or disposal of these materials, wastes or substances. If hazardous or non-hazardous materials, wastes or substances are revealed by supplementary investigations or studies or are encountered during construction or grading operations, appropriate environmental investigation(s) and analysis may be required. In this case, mitigation and/or treatment of hazardous or non-hazardous materials, wastes or substances may be necessary. It should be understood that the property owner and potential future property owner(s) shall acknowledge and/or indemnify that LKGE has neither created or contributed to the creation or existence of any hazardous or non-hazardous materials, wastes or substances or otherwise dangerous conditions at the site. All site generated hazardous or non-hazardous materials, wastes or substances are the possession and responsibility of the property owner and potential future property owner(s).

Plan Review

This report is based on the development plans provided to our office. We recommend that the client's representative(s) provide a complete set of the construction, building and/or grading plans to our office for review and/or approval, prior to initiation of construction. Any change in the scope of the project, from that addressed herein, may require additional geotechnical services by LKGE. Formal plans should be reviewed and approved by LKGE, prior to initiation of construction. The appropriate government reviewing agency may require that the building and/or grading plans be signed by a licensed geotechnical engineer and/or a licensed engineering geologist, prior to initiation of construction. The plan review fees will be billed in accordance with our current fee schedule.

Government Reviewing Agency and Additional Geotechnical Services

This report is intended for submittal to the appropriate governmental authorities that control the issuance of necessary permits. The client or client's representative should submit the geotechnical reports to the appropriate government reviewing agency, unless specific arrangements are made with this office. It should be noted that the government reviewing agency has various fees for reviewing geotechnical reports, the fees for which are not included within our scope of work. If applicable, the report submittal fees will be billed in accordance with our current fee schedule. All geotechnical and/or engineering geologic aspects of the proposed development are subject to review and approval by the government reviewing agency. It should be understood that the government reviewing agency may approve or deny any portion of the proposed development, which may require additional geotechnical services by this office. Additional geotechnical services may include review responses, supplemental letters, plan review and signature, construction observations, meetings, etc. The fees for generating additional reports, letters, exploration, analysis, etc. will be billed on a time and material basis, per our previously approved work acknowledgment or a pre-determined, agreed fee.

Site Observations during Construction

The appropriate government reviewing agency or building department requires that the geotechnical consultant of record provide site observations during grading and construction. The purpose of the site inspections is to verify site geotechnical and/or engineering geologic conditions and conformance with the intensions of the recommendations addressed herein. Although certain geotechnical and/or engineering geologic observations may not be required by the building department, the more site inspections typically reduce the risk for future problems. It is the client's or the client's representative(s) responsibility to contact the appropriate building department or building official regarding approval for all required inspections. Following is a general list of inspections required by this firm.

a) Pre-grade meetings
b) Foundation excavations for all structures (residence, retaining walls, pools, etc.)
c) Temporary excavations/shoring
d) Bottom excavations for primary and/or secondary structural fills
e) Keyway excavations
f) Compaction testing for primary and secondary structural fills
g) Compaction testing for retaining wall backfill and utility trenches
h) Subdrains for retaining walls, swimming pools or ponds

It is recommended that all foundation excavations be approved by this firm prior to placing forms, steel reinforcement and/or concrete. Any fill which is placed at the site should be tested for compaction, especially if used for engineering purposes. All cut-slopes and temporary excavations should be observed by a representative of this firm. Should the observation reveal any unforeseen hazard, appropriate action will be recommended.

Representatives of LKGE will observe work in progress, perform tests on soil, and observe excavations and trenches. Excavation bottom observations should be requested before the placement of subdrains or compacted fill. The approved plans and permits should be on the job site and available for review by this office. The site inspections during construction will be billed on a time and material basis in accordance with our current fee schedule.

It is advised that the client contact LKGE at least 1 week in advance of commencing constructing and/or grading to allow for contractual agreements for geotechnical services during the construction phases of your project. Please advise this office at least 48 hours prior to any required verification or approval.

Construction Site Maintenance

It is the responsibility of the contractor to maintain a safe construction site and for the safe operation of all equipment. When excavations exist on the site, the areas should be secured by placing appropriate coverings, fencing, warning signs, etc. All excavations should be properly covered and secured. Excavation stock piles or spoil piles should either be removed from the site or be property compacted, in accordance with recommendations presented herein. Fill temporarily stock-piled on the site should be placed in stable or approved areas and away from slopes, excavations or improvements. Earth materials generated from grading should not be disposed of along slopes or other unapproved locations. Workers should not be allowed to enter any un-shored excavations over 5-feet in depth, or depth specified herein. Water should not be

allowed to saturate open footing trenches. Temporary erosion control measures and proper drainage control should be followed, especially during the rainy season.

It should be understood that the project contractor or others shall supervise and direct the work and they shall be solely responsible for all construction means, methods, techniques, sequences and procedures, and shall be solely and completely responsible for conditions of the job site, including safety of all persons and property during the performance of the work.

Periodic or continuous observation by LKGE is not intended to include verification of dimensions or review of the adequacy of the contractor's safety measures in, on, or near the construction site.

Final As-Built Reports

During or upon completion of the project or grading, the appropriate government reviewing agency or building department often requires interim or final as-built geotechnical reports prepared by this firm to document that foundations and/or fill placement were conducted per the recommendations addressed herein and/or the approved building and/or grading plans. Interim or final geotechnical reports are often required for placement of primary or secondary structural fill, retaining wall backfill, slope repairs, pile observations, etc. The interim or final geotechnical reports will be billed on a time and material basis, in accordance with our current fee schedule.

8. LIMITATIONS

This report has been compiled for the exclusive use of the addressee(s) of the report, and their authorized representatives. It shall not be transferred to, or used by, a third party, to another project or applied to any other project on this site, other than as described herein, without the written consent and/or thorough review by this firm.

This report and the exploration are subject to the following conditions. Please read this section carefully, it limits our liability.

This report is based on the development plans provided to our office. In the event that any significant changes (from those discussed herein) in the design and/or location of the proposed structure(s) are planned, the conclusions and recommendations contained in this report may not be considered valid unless the changes are reviewed by LKGE and the conclusions and recommendations are modified and/or approved by this firm after such review.

The conclusions and recommendations contained herein are based on the findings and observations made at the test pit, trench and/or boring locations. While no great variations in fill, soil and/or bedrock conditions are anticipated, if conditions are encountered during construction which appears to differ from those disclosed herein, this firm should be notified immediately, so as to consider the need for modifications or revised geotechnical recommendations. Compliance with the design concepts, specifications or recommendations during construction requires our review during construction which pertains to the specific recommendations contained herein.

The subsurface conditions, excavations, characteristics and geologic structure described herein and shown on the enclosed cross-section(s) have been projected from individual test pits, trenches and/or borings placed on the subject property. The subsurface conditions and

excavation characteristics, and geologic structure shown should in no way be construed to reflect any variations which may occur between or away from these exploratory excavations. The projection of geologic data is based on available information and experience and should not be considered exact.

It should be noted that fluctuations in the level of the ground-water may occur at the site due to variations in rainfall, temperature, irrigation, water line leaks, sewage disposal and/or other factors not evident at the time of measurements reported herein. LKGE assumes no responsibility for groundwater variations which may occur across the site. High groundwater levels can be extremely hazardous and saturation of earth materials can cause subsidence, settlement and/or slippage at the site.

The intent of this report is to advise our client and/or client's representative(s) on soils and engineering geologic conditions at the site with respect to the proposed improvements. Implementation of the advice presented in the Recommendations Section of this report is intended to reduce the risk associated with the proposed project and should not be construed to imply total performance of the project. It should be understood that geotechnical consulting and the contents of this report are not perfect. Any errors or omissions noted by any party reviewing this report, and/or any other geotechnical aspect of this project, should be reported to this firm as soon as possible.

Geotechnical engineering is characterized by uncertainty or is described as an inexact science or art. The conclusions and recommendations presented herein are partly based on; 1) the evaluation of technical data gathered by this firm, 2) standard of practice, 3) experience, and, 4) professional judgment. The conclusions and recommendations presented herein should be considered advice. Other geotechnical consultants could arrive at different conclusions and recommendations. This report has been prepared in accordance with generally accepted practice. No warranties, either expressed or implied, are made as to the professional advice provided under the terms of the agreement and included in this report.

It should be understood that LKGE's services are limited to the disciplines of soils engineering and/or engineering geology. While LKGE may refer various professionals or outside services, working in associated disciplines, to their client's or client's representatives, LKGE is not responsible for the performance of work by third parties, which may include, but are not limited to, surveyors, civil or structural engineers, architects, contractors, etc. It should be clearly understood that LKGE is not a licensed surveyor, architect, civil or structural engineer or contractor. LKGE's periodic or continuous inspection(s) of geotechnical work on an LKGE project shall not relieve third party professionals of their responsibility to perform their work in accordance with the applicable and/or approved geotechnical reports, plans, specifications, safety requirements, etc. It should be understood that LKGE's periodic or continuous inspection(s) of geotechnical work on an LKGE project does not imply that LKGE is observing, verifying and/or approving all site work. LKGE will only make site inspections, per our approved work authorization agreement(s) and/or related to the appropriate geotechnical field services provided by LKGE and will not relieve others of their professional responsibilities.

Should the project be delayed beyond the period of one year after the date of this report, the site should be observed and the report reviewed to consider possible changed conditions.

This report is issued with the understanding that it is the responsibility of the owner, or his representative, to assure that the information and recommendations contained herein are called to the attention of the designers and builders for the project.

9. REFERENCES

California Division of Mines and Geology, 1997, Seismic Hazard Zone Report for the Inglewood 7.5 Minute Quadrangles, Los Angeles County, California, SHZ Report 027, 45 pp.

California Geological Survey, 1986, Earthquake Fault Zones, Inglewood Quadrangle, California, Scale 1"=2,000', Released July 1.

California Geological Survey, 1999, Seismic Hazard Zones, Inglewood Quadrangle, California, Scale 1"=2,000', Released March 25.

California Geological Survey, 2008, Guidelines for Evaluating and Mitigating Seismic Hazards in California, Special Publication 117A, 108 pp.

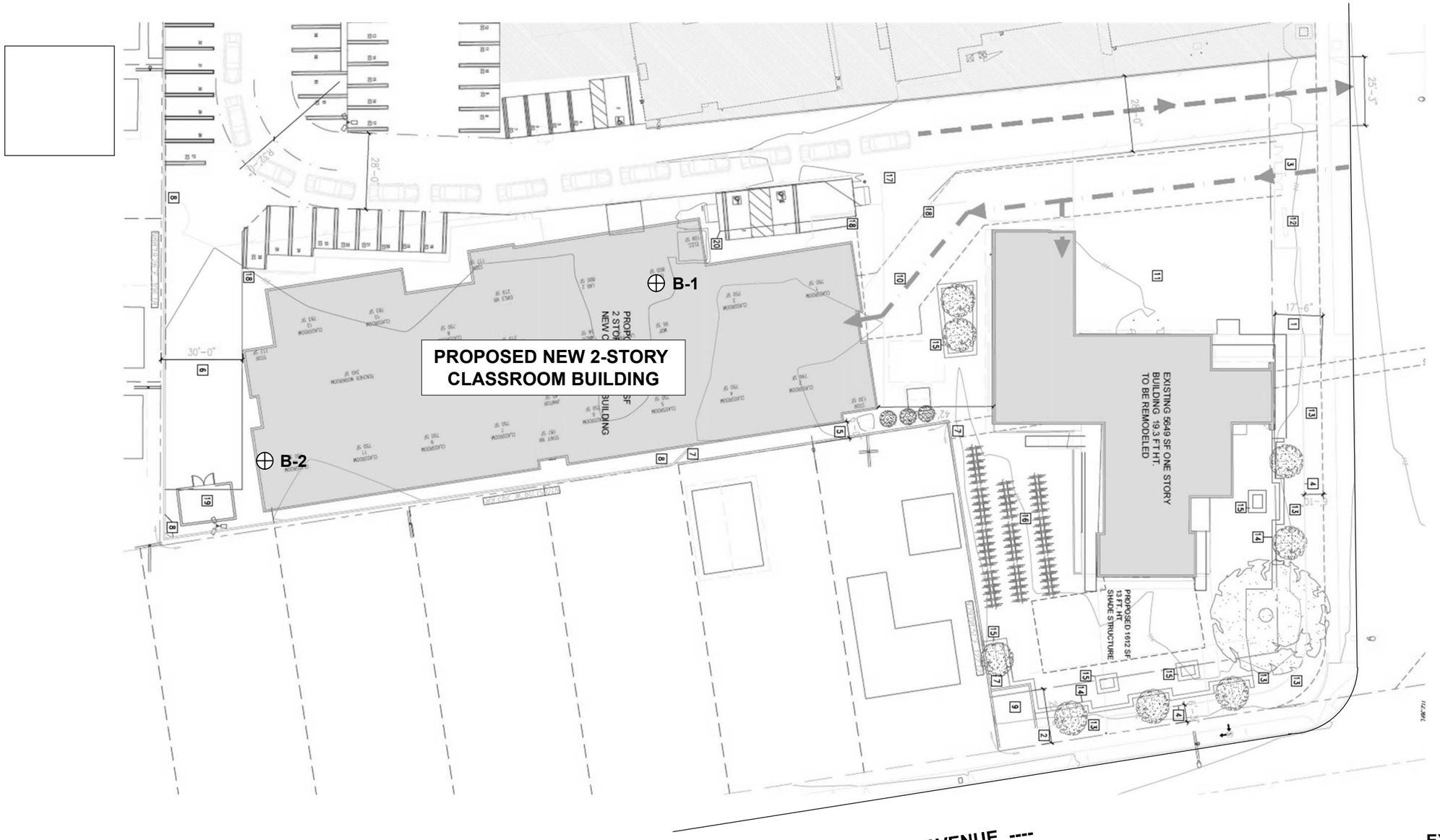
Dibblee, T. W., Jr., 2007, Geologic Map of the Venice and Inglewood Quadrangles, Los Angeles County, California, Dibblee Geological Foundation Map #DF-322, Scale 1”=2,000.

State of California, California Geological Survey, 2007, Fault-Rupture Hazard Zones in California, Alquist-Priolo Earthquake Fault Zoning Act with Index to Earthquake Fault Zones Maps, Special Publication 42, Interim Revision 2007, 48 p.

Southern California Earthquake Center, 1999, Recommended Procedures For Implementation of DMG Special Publication 117, Guidelines for Analyzing and Mitigating Liquefaction in California, 70 pages.

Southern California Earthquake Center, 2002, Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for Analyzing and Mitigating Landslide Hazards in California, 132 pages.

PLATES



EXPLANATION

⊕ **B-1 Boring Location**

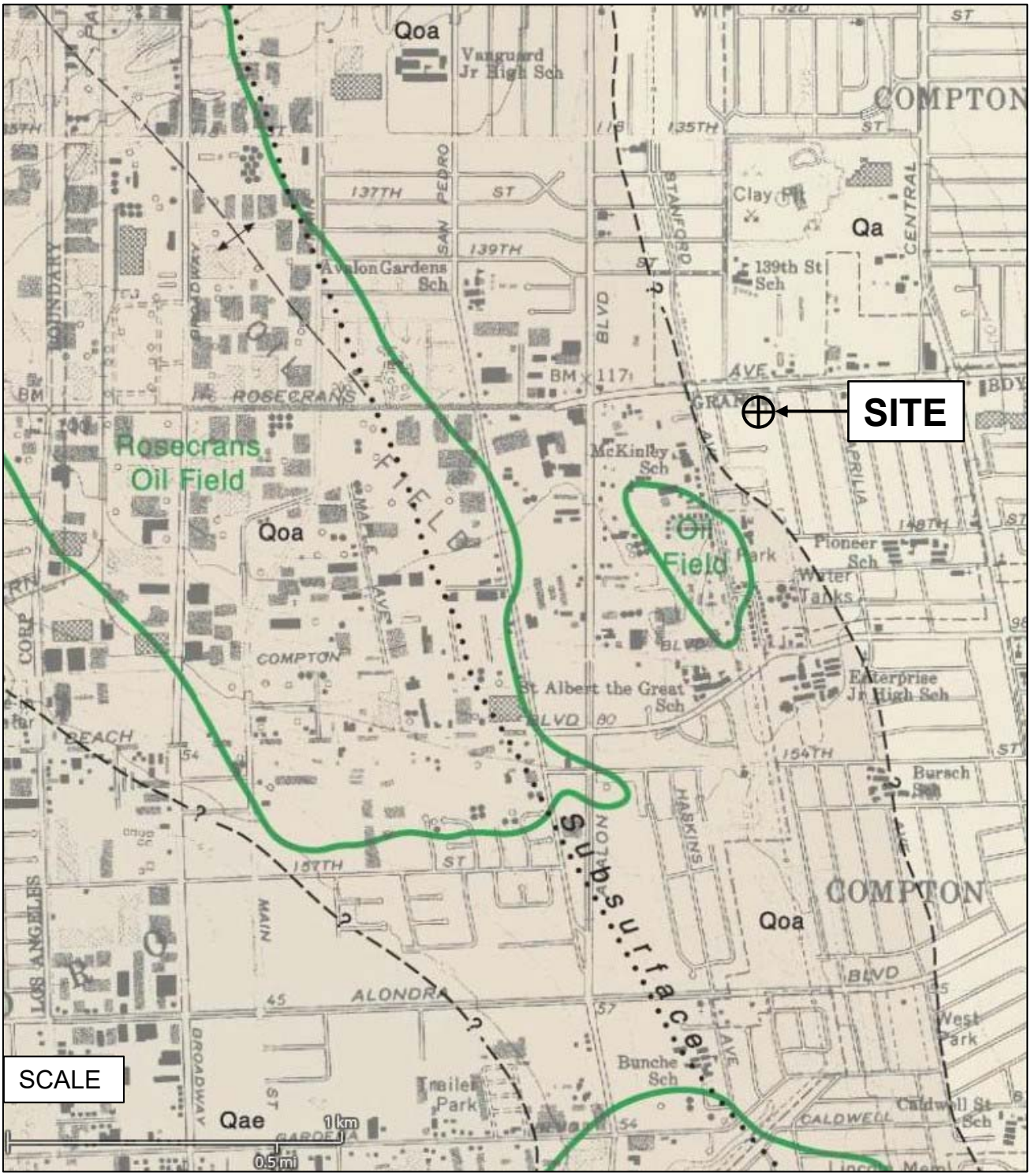
LK Geotechnical

LK Geotechnical Engineering, Inc.
10120 National Blvd., Los Angeles, CA 90034
Tel: 310.866.8977; Fax: 310.204.2459

Proposed Site Plan

900 Rosecrans Avenue
County of Los Angeles, California

May 2021	Project 20-0711	Plate 1



Reference: Dibblee, 2007, Geologic Map of the Venice and Inglewood Quadrangle.

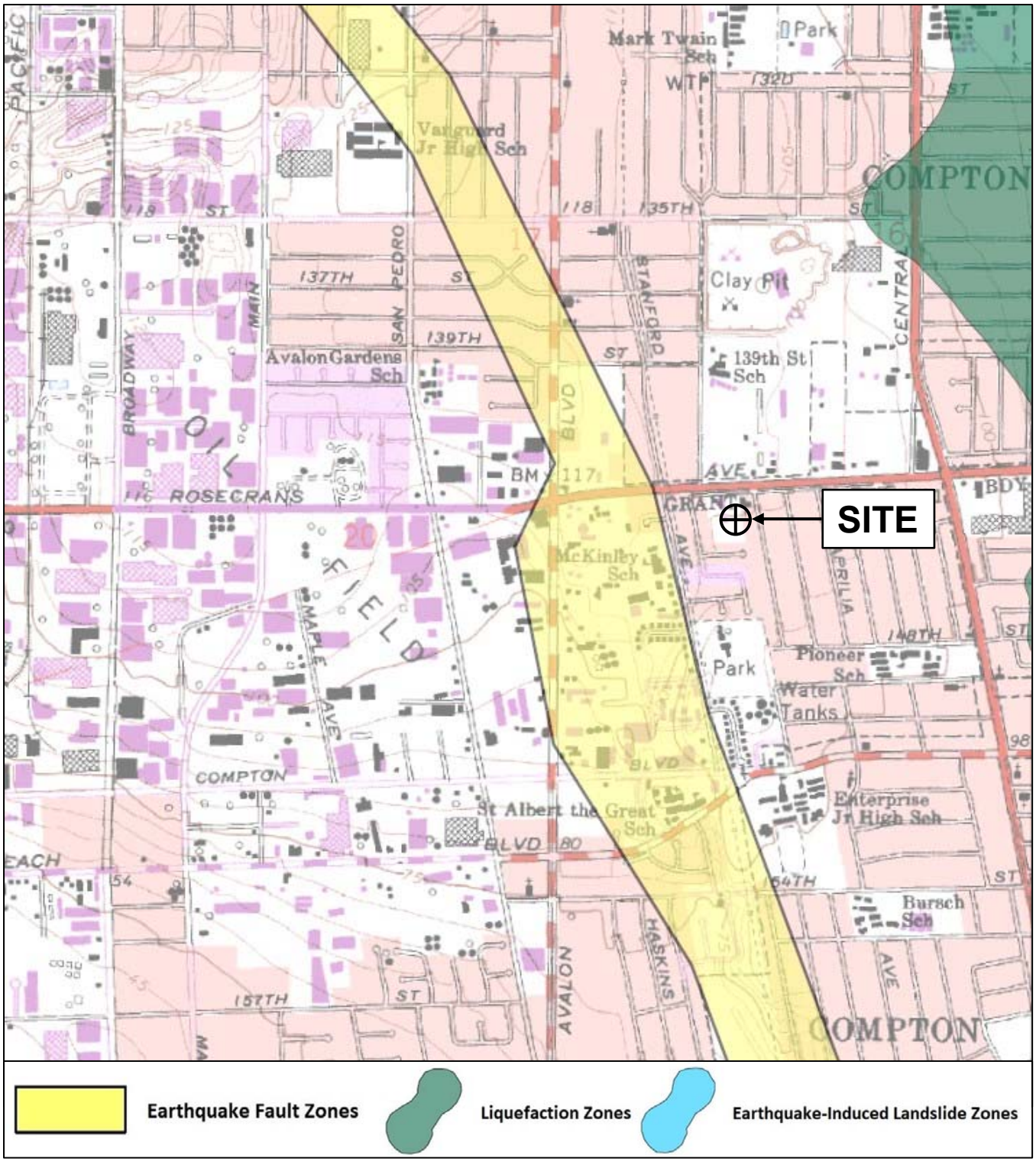
LK Geotechnical

LK Geotechnical Engineering, Inc.
10120 National Blvd., Los Angeles, CA 90034
Tel: 310.866.8977; Fax: 310.204.2459

Regional Geologic Map

900 Rosecrans Avenue
Los Angeles, California

May 2021	Project 20-0711	Plate 2



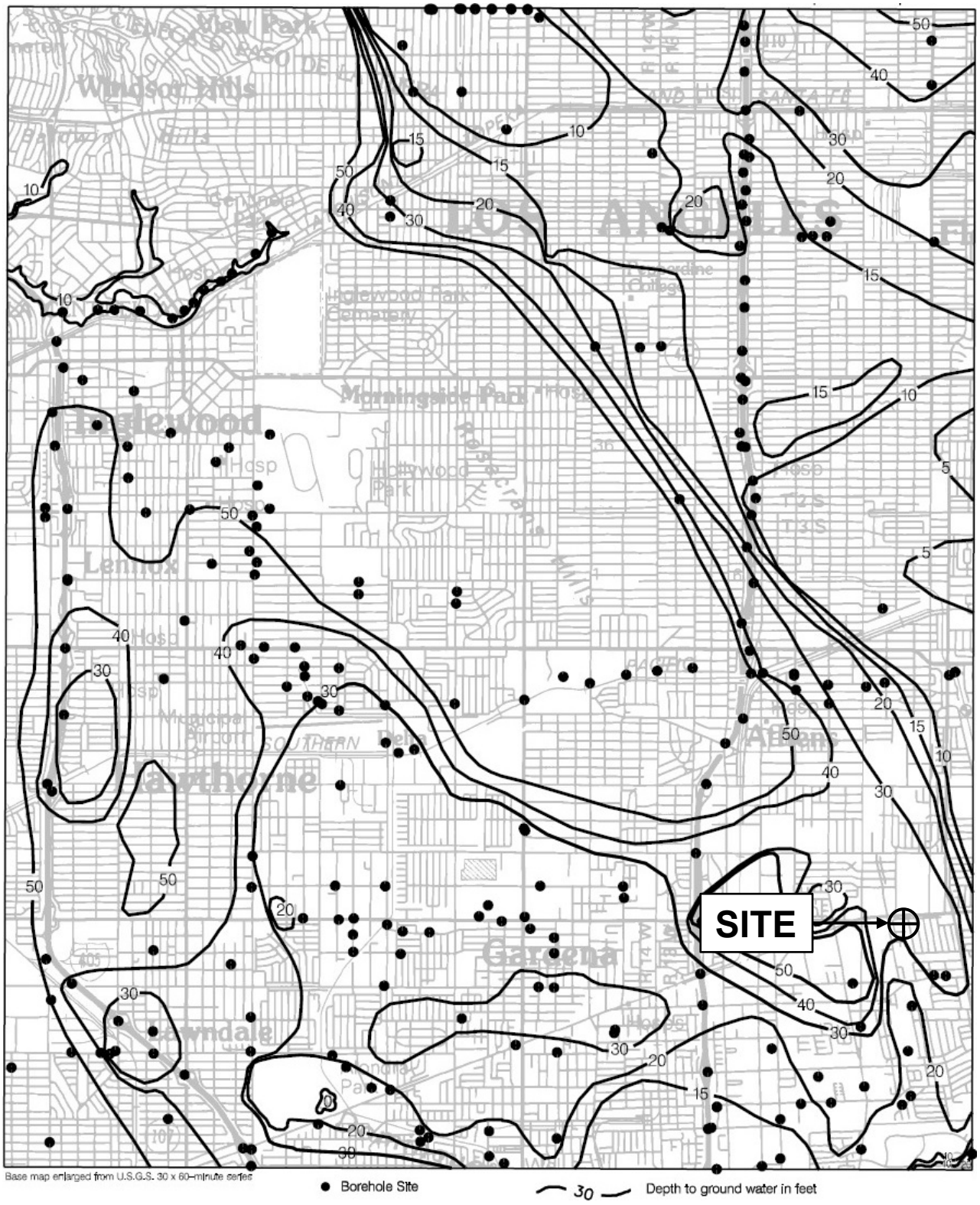
Reference: CGS, 1999, Seismic Hazard Zones of the Inglewood Quadrangle.
CGS, 1986, Earthquake Fault Zones of the Inglewood Quadrangle.

LK Geotechnical
LK Geotechnical Engineering, Inc.
10120 National Blvd., Los Angeles, CA 90034
Tel: 310.866.8977; Fax: 310.204.2459

Seismic Hazard Zones Map

900 Rosecrans Avenue
Los Angeles, California

May 2021	Project 20-0711	Plate 3



Reference: CGS ,1998, Seismic Hazard Zone Report for the Inglewood 7.5-Minute Quadrangle.

LK Geotechnical

LK Geotechnical Engineering, Inc.
10120 National Blvd., Los Angeles, CA 90034
Tel: 310.866.8977; Fax: 310.204.2459

Historically Highest Groundwater Map

900 Rosecrans Avenue
Los Angeles, California

May 2021	Project 20-071	Plate 4

Appendix A
Field Exploration

We performed a field exploration consisting of logging of two (2) exploratory soil borings on May 14, 2021. The exploration was performed using a hollow-stem-auger drill rig and a hand auger. The borings were advanced to a maximum depth of approximately 41.5-feet below existing grade. The approximate boring locations are shown on Plate 1.

The Boring Logs are presented on Plates A-1 through A-2. The Boring Logs describe the earth materials encountered, samples obtained, and show the field and laboratory tests performed. The borings were logged by an engineer or geologist using the Unified Soil Classification System. Drive and bulk samples of representative earth materials were obtained from the borings and delivered to the geotechnical laboratory for testing.

A California modified sampler was used to obtain drive samples of the soil encountered. This sampler consists of a 3-inch outside diameter (O.D.), 2.4-inch inside diameter (I.D.) split barrel shaft that was driven a total of 6-inches into the soil at the bottom of the boring. The soil was retained in brass rings for laboratory testing. Additional soil from each drive remaining in the cutting shoe was usually discarded after visually classifying the soil.

In addition, a Standard Penetration Test (SPT) sampler was used to obtain drive samples of soil encountered. SPT sampler consists of a 2-inch O.D., 1.4-inch I.D. split barrel shaft that is advanced into the soil at the bottom of the drilled hole a total of 18 inches. The number of blows required to drive the sampler the final 12 inches is presented on the boring logs. Soil samples obtained by the SPT were retained in plastic bags.

Upon completion of the geologic and geotechnical logging, the borings were backfilled with soil derived from the cuttings.

Percolation Testing

Percolation testing was performed using the falling head boring test method in accordance with the Los Angeles County Guidelines. The water level was measured to the nearest tenth of a foot and converted to inches in the calculation. The infiltration rate is shown in the table below and the raw data is attached.

Soil Infiltration Rate

Boring No.	Total Depth of Boring (ft)	Depth of Testing Zone (ft)	Soil Description of Testing Zone	Infiltration Rate (inch/hour)
B-2	20	15 – 20	Sand with Silt	3.46

LK Geotechnical

BORING LOG

PROJECT ADDRESS	PROJECT NO.	HOLE ID
900 Rosecrans Avenue Compton, CA	20 - 0711	B-1
	DRILLING METHOD Hollow Stem auger	**DATE DRILLED** 5/14/2021
SURFACE ELEVATIOIN (ft) N/A	**BOREHOLE DIAMETER** 8 inches	**DRILLER** Charlies Soil Sampling
GROUNDWATER DEPTH (ft) Not Encountered	**HAMMER TYPE & EFFICIENCY** Automatic Trip/Eri = 81%	**LOGGED BY** SL

DEPTH (ft)	SAMPLE	BLOWS PER 6"	MOISTURE (%)	DRY UNIT WT (pcf)	USCS	DESCRIPTION	LAB TEST
						Surface: grass lawn	
0						**Artificial Fill (Af)**	
						Sandy CLAY; brown; loose to medium dense; dry	EI, CR
						Alluvium (Qa)	
5		12 13	10.6	111.9	CL	Sandy CLAY; brown; medium stiff; slightly moist;	DS, C
10		14 14	11.3	111.9	CL	Sandy CLAY to Clayey SAND; brown; medium stiff; slightly moist;	
15		7 7	7.0	98.0	SP-SM	Poorly graded SAND with SILT; light brown; medium dense; dry	
20		11 11	2.0	99.6	SP-SM	Poorly graded SAND; light brown; medium dense; dry	FC 8.0%
25		10 11 17			SM/ML	Silty SAND; brown; medium dense; lightly moist	

LEGEND

- Bulk Sample
- Cal. Mod. Sample
- SPT Sample
- Groundwater Level

ACRONYM : FC: fine content; PA: particle size analysis; DS: direct shear; C: consolidation; PI: Atterberg limits; EI: expansive index; CR: corrosivity; CP: compaction curve; R: R-value

NOTES :

* Borehole was backfilled with soil cuttings.

LK Geotechnical

BORING LOG

PROJECT ADDRESS	PROJECT NO.	HOLE ID
900 Rosecrans Avenue Compton, CA	20 - 0711	B-1
	DRILLING METHOD Hollow Stem auger	**DATE DRILLED** 5/14/2021
SURFACE ELEVATIOIN (ft) N/A	**BOREHOLE DIAMETER** 8 inches	**DRILLER** Charlies Soil Sampling
GROUNDWATER DEPTH (ft) Not Encountered	**HAMMER TYPE & EFFICIENCY** Automatic Trip/Eri = 81%	**LOGGED BY** SL

DEPTH (ft)	SAMPLE	BLOWS PER 6"	MOISTURE (%)	DRY UNIT WT (pcf)	USCS	DESCRIPTION	LAB TEST
						Continued…	
25							
30		9 11 13			ML	Sandy SILT; brown; medium dense; slightly moist; fine SAND	FC 60.6%
35		10 13 14			ML	Sandy SILT; brown; medium dense; slightly moist; fine SAND	
40		7 10 13			ML	SILT; light brown; medium stiff; slightly moist	
						Total Depth = 41.5 feet	
45							
50							

LEGEND

- Bulk Sample
- Cal. Mod. Sample
- SPT Sample
- Groundwater Level

ACRONYM : FC: fine content; PA: particle size analysis; DS: direct shear; C: consolidation; PI: Atterberg limits; EI: expansive index; CR: corrosivity; CP: compaction curve; R: R-value

NOTES :

* Borehole was backfilled with soil cuttings.

LK Geotechnical

BORING LOG

PROJECT ADDRESS	PROJECT NO.	HOLE ID
900 Rosecrans Avenue Compton, CA	20 - 0711	B-2
	DRILLING METHOD Hollow Stem auger	**DATE DRILLED** 5/14/2021
SURFACE ELEVATIOIN (ft) N/A	**BOREHOLE DIAMETER** 8 inches	**DRILLER** Charlies Soil Sampling
GROUNDWATER DEPTH (ft) Not Encountered	**HAMMER TYPE & EFFICIENCY** Automatic Trip/Eri = 81%	**LOGGED BY** SL

DEPTH (ft)	SAMPLE	BLOWS PER 6"	MOISTURE (%)	DRY UNIT WT (pcf)	USCS	DESCRIPTION	LAB TEST
						Surface: grass lawn	
0						**Artificial Fill (Af)** Sandy CLAY to Clayey SAND; brown; loose; dry	
						Alluvium (Qa)	
5		14 15	13.2	116.9	CL	Sandy CLAY; dark brown; stiff; slightly moist	C
10		10 10	16.0	105.1	CL	Sandy CLAY / Clayey SAND; brown; medium dense; slightly moist	
15		7 8 9			SP-SM	Poorly graded SAND with SILT; light brown; medium dense; dry	
20		9 11 13			SP-SM	Poorly graded SAND with SILT; light brown; medium dense; dry	
25		10 13 14			ML	Sandy SILT; brown; medium dense; lightly moist	
						Total Depth= 26.5 ft	

LEGEND

- Bulk Sample
- Cal. Mod. Sample
- SPT Sample
- Groundwater Level

ACRONYM : FC: fine content; PA: particle size analysis; DS: direct shear; C: consolidation; PI: Atterberg limits; EI: expansive index; CR: corrosivity; CP: compaction curve; R: R-value

NOTES :

* Borehole was backfilled with soil cuttings.

BORING PERCOLATION TESTING DATA

Reference: Los Angeles County (2014, 2017). Guidelines For Design, Investigation, and Reporting LID Stormwater Infiltration, GS200.1 & GS200.2

Project No.: 20-0711
Project Name: 900 Rosecrans Avenue, Compton

Boring No.: B-2
Diameter of Boring (D): 8.0 inches
Depth of Boring (d_b): 20.0 feet = 240 inches
Diameter of Perc. Pipe : 3.0 inches
Length of Pipe (d_p) : 20.0 feet = 240 inches
Perforated Section Depth: 15 - 20 feet

PRE-SOAK

Date: 5/14/2021
Start Time: 8:20 AM
Elapsed Time: 30.00 minutes
Water Remaining: no

DETERMINE READING TIME INTERVAL

Date: 5/14/2021
Start Time: 8:50 AM
Elapsed Time: 30.00 minutes
Water Remaining: no

REDUCTION FACTORS

Boring method:	RF_t =	2	(default)
Site variability, number of tests:	RF_v =	1.00	(1 ~ 3)
Long-term siltation, maintenance:	RF_s =	1.00	(1 ~ 3)
Total Reduction Factor:	$RF = RF_t \times RF_v \times RF_s$		

PERCOLATION TEST **Test Date:** 7/23/2020 **Test Performer:** SL **Calculated by:** SL

Reading Number	Initial Time T_i	Final Time T_f	Elapsed Time ΔT (min)	Initial depth to water surface dw_i (inches)	Final depth to water surface dw_f (inches)	Initial height of water column d_i (inches)	Drop of water column Δd (inches)	Water column area factor $(2*d_i - \Delta d)/D$	**Raw Percolation Rate** $k_i = \Delta d/CF/\Delta T$ *(inch/hr)*	Total Reduction Factor RF	**Design Infiltration Rate** $k = k_i / RF$ (inch/hr)
1	9:23 AM	9:33 AM	10	196.8	211.2	43.2	14.4	10.0	**8.64**	2.0	**4.32**
2	9:33 AM	9:43 AM	10	211.2	219.6	28.8	8.4	7.2	**7.05**	2.0	**3.52**
3	9:43 AM	9:53 AM	10	219.6	225.8	20.4	6.2	5.3	**7.04**	2.0	**3.52**
4	9:55 AM	10:05 AM	10	198.0	210.7	42.0	12.7	9.9	**7.70**	2.0	**3.85**
5	10:05 AM	10:15 AM	10	210.7	219.2	29.3	8.5	7.3	**7.05**	2.0	**3.52**
6	10:15 AM	10:25 AM	10	219.2	225.5	20.8	6.2	5.4	**6.92**	2.0	**3.46**

Recommended Design Infiltration Rate (inch/hr) = 3.46

Reference: Los Angeles County (2014, 2017). Guidelines For Design, Investigation, and Reporting LID Stormwater Infiltration, GS200.1 & GS200.2

Appendix B
Laboratory Testing

Representative soil samples collected from our field exploration were delivered to the EGLab, Inc. (EGL) of Arcadia, California for testing, and to evaluate relevant engineering properties. Based on our review of the laboratory data, LKGE concurs with and accept the laboratory testing results performed by EGLab, Inc.

Laboratory Moisture Content and Density Tests

The moisture content and dry densities of selected driven samples obtained from the exploratory borings were evaluated in general accordance with the latest version of ASTM D 2937. The results are shown on the attached EGL report.

Sieve Analysis – Passing No. 200 Sieve

Soil fine content analysis utilizing No. 200 sieve was performed on representative soil sample(s) per the ASTM C136/C117 Method. The test results are presented in the attached EGL report.

Direct Shear Test

Direct shear testing was conducted on representative soil samples to determine their shear strength in accordance with the ASTM D3080. The sample was saturated under normal load before testing. For each test, three samples were placed, one at a time, into the test apparatus and subjected to a range of normal loads appropriate for the anticipated conditions. The samples were then sheared at a constant shear rate of 0.01-inches per minute. Shear deformation was recorded until a maximum of about 0.3 inches of horizontal displacement was achieved. Ultimate shear strengths for each sample were selected from the shear stress-displacement data. Based on the test data, the stress generally becomes constant beyond 0.2 inch of displacement and it is our opinion that the samples were sheared to its ultimate strength status. The shear strength parameters are presented in the following table and on the attached EGL report.

Sample Location	Depth (ft.)	Soil Type	Soil Description	Ultimate Strength Parameters	
				Cohesion (psf)	Friction Angle (degrees)
B-1	5	Qa	Sandy CLAY	570	29

Consolidation Test

Consolidation testing was performed on representative soil samples under consolidated drained conditions per the ASTM D2435 Method. Axial loads were carried to a maximum of 8,000 psf. To hasten consolidation, investigate the collapsibility potential and similar possible adverse field conditions, water was added to an axial load of 2,000 psf. Compressibility of the soils within the zone of significant stress was investigated and the results are provided on the attached EGL report. The collapse/swell potential is tabulated below:

Sample Location	Depth (ft.)	Soil Type	Soil Description	Percent of Collapse (-)/ Swell (+)	Collapse Index
B-1	5	Qa	Sandy CLAY	+0.1	None
B-2	5	Qa	Sandy CLAY	+0.1	None

Expansion Index Test

Expansion Index testing was performed on representative soil sample(s) per the ASTM D4829 Method. The soil was molded to a 4-inch diameter, 1-inch thick specimen under a specified compactive energy at approximately 50 percent saturation, and then loaded with 144 psf equivalent surcharge under inundated condition. Readings of volumetric swell were taken for a period of 24 hours. The test results are presented in the attached EGL report.

Sample Location	Depth (ft.)	Soil Type	Soil Description	Expansion Index	Expansion Potential
B-1	0 – 5	Qa	Sandy CLAY	76	Medium

Corrosivity Tests

Soil pH and resistivity tests were performed on a representative soil sample in general accordance with the latest version of California Test Method 643. The chloride content of the selected sample was evaluated in general accordance with the latest version of California Test Method 422. The sulfate content of the selected samples was evaluated in general accordance with the latest version of California Test Method 417. The test results are presented in the attached EGL report.

EGLAB, INC.,
11819 Goldring Road, Unit D, Arcadia, CA 91006
Ph: 626-263-3588; Fax: 626-263-3599; Email: ryan@eglab.com

May 24, 2021

LK Geotechnical Engineering, Inc.
10120 National Boulevard
Los Angeles, California 90034

Attn: Mr. Sean Lin

Project Name: 900 Rosecrans Avenue, County of Los Angeles
Project No: 20-0711
EGL Job No. 21-122-040

Dear Mr. Lin:

We have completed the testing program conducted on samples from the above project. The tests were performed in accordance with testing procedures as follows:

TEST	METHOD
Moisture & Dry Density	ASTM D2937
Consolidation	ASTM D2435
Direct Shear	ASTM D3080
Corrosion	CT-417,422,643
Expansion Index	ASTM D4829
% Passing #200 Sieve	ASTM D1140

Enclosed is the Summary of Test Results.

We appreciate the opportunity to provide testing services to LK Geotechnical Engineering, Inc. Should you have any questions, please call the undersigned.

Sincerely yours,
EGLAB, Inc.

Ryan Jones, GE
Principal Engineer

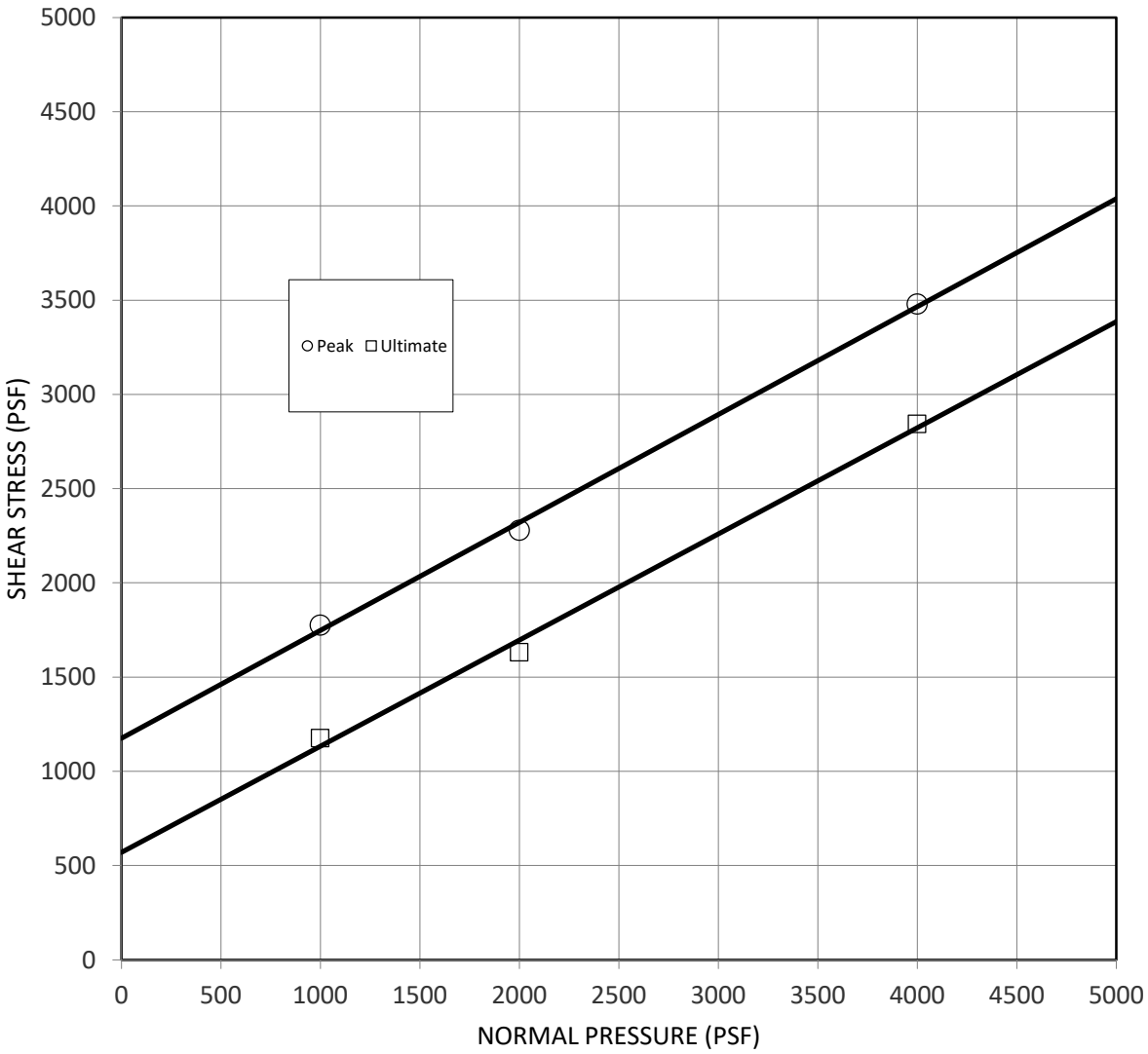
SUMMARY OF LABORATORY TEST RESULTS

PROJECT NAME: 900 Rosecrans Avenue,County of Los Angeles EGLAB JOB NO.: 21-122-040

PROJECT NO.: 20-0711 CLIENT: LK Geotechnical

DATE: 5/21/2021 SUMMARIZED BY: JT

BORING NO.	SAMPLE NO.	DEPTH (ft)	MOISTURE CONTENT ASTM D2216 (%)	DRY DENSITY ASTM D2937 (PCF)	%PASSING #200 ASTM D1140 (%)
B-1	N/A	5.0	10.6	111.9	
B-1	N/A	10.0	11.3	111.9	
B-1	N/A	15.0	7.0	98.0	
B-1	N/A	20.0	2.0	99.6	8.1
B-1	N/A	30.0			60.6
B-2	N/A	5.0	13.2	116.9	
B-2	N/A	10.0	16.0	105.1	



Boring No.	Sample No.	Depth (ft)	Sample Type	Soil Type	Symbol	Cohesion (PSF)	Friction Angle
B-1	N/A	5.0	Ring	CL	○	1176	30
					□	570	29

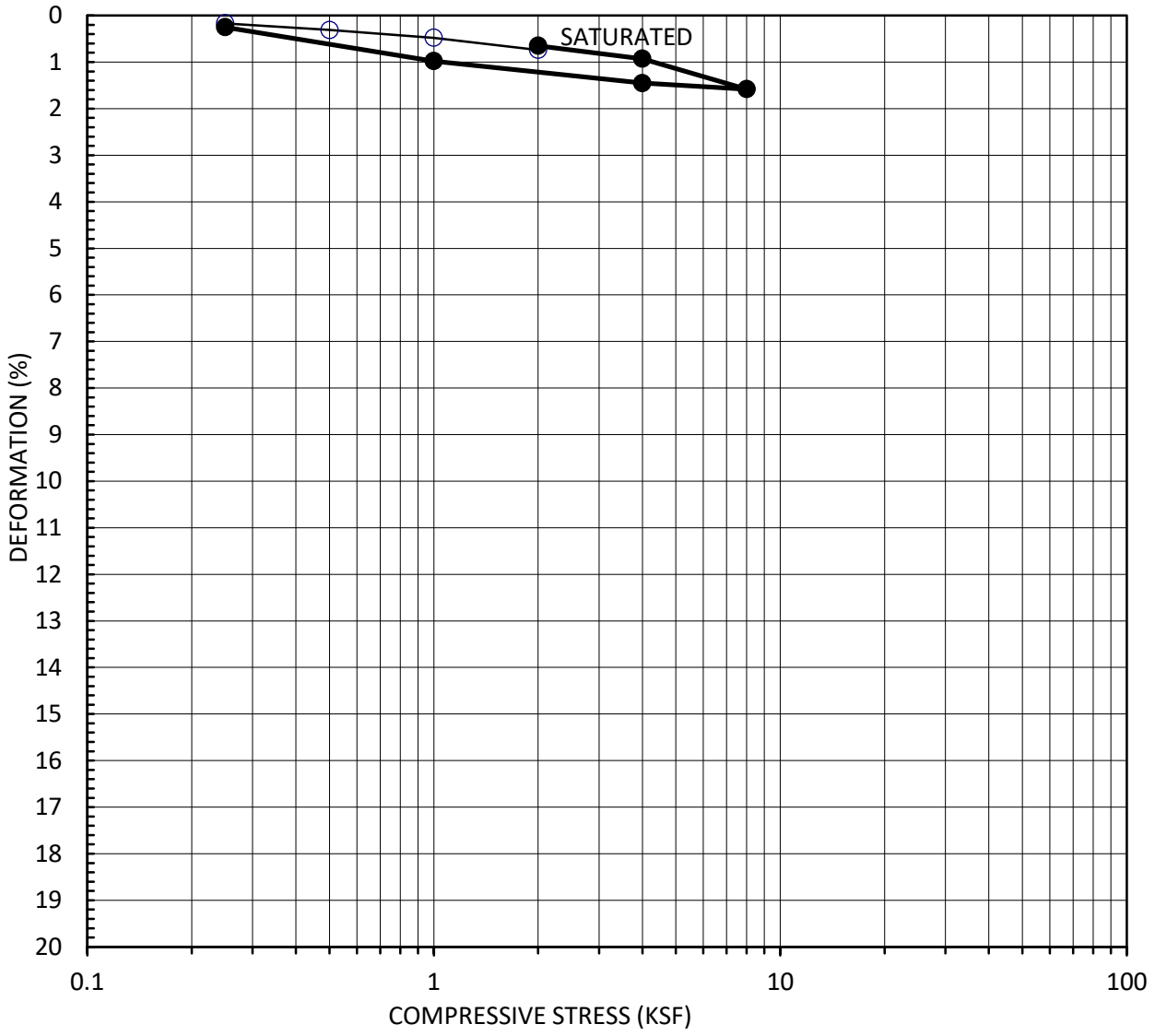
Normal Stress (psf)	Initial Moisture (%)	Final Moisture (%)	γ_d (pcf)	S (%)
1000	13.2	20.4	116.6	100
2000	13.2	17.7	117.8	100
4000	13.2	17.6	118.0	100

EGLAB, INC.

Project Name:
900 Rosecrans Avenue, County of Los Angeles
Client: LK Geotechnical
Project No.: 20-0711
EGLAB Project No.: 21-122-040

DIRECT SHEAR

05/21 (ASTM D3080) Figure



Symbol	Boring No.	Sample No.	Depth (Ft.)	Soil Type	Init. Moisture Content (%)	Init. Dry Density (PCF)	Init. Void Ratio
○	B-1	N/A	5.0	CL	10.6	113.0	0.492

EGLAB, INC.

Project Name:
900 Rosecrans Avenue, County of Los Angeles

Client: LK Geotechnical

Project No.: 20-0711

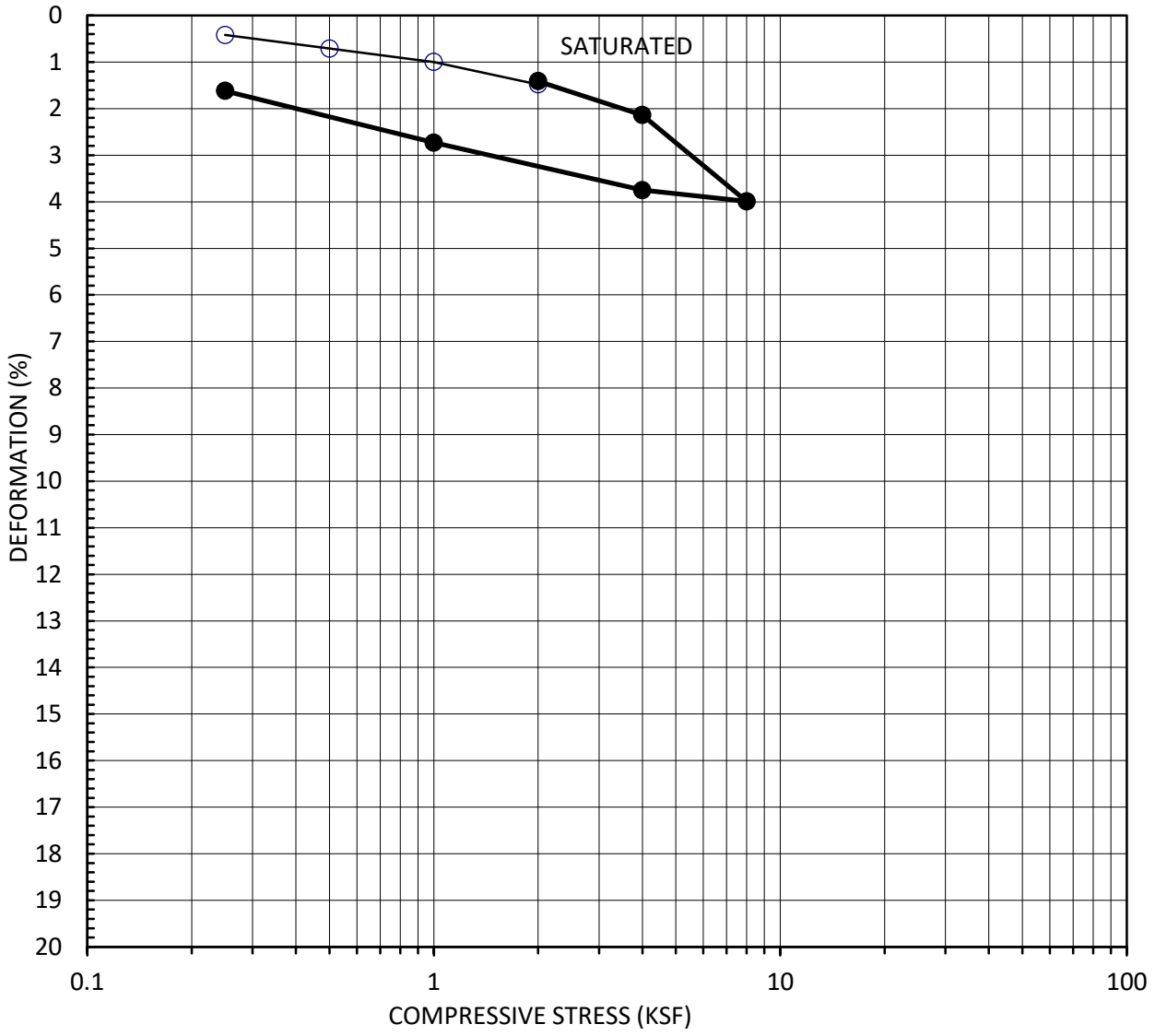
EGLAB Project No.: 21-122-040

CONSOLIDATION

(ASTM D2435)

05/21

Figure



Symbol	Boring No.	Sample No.	Depth (Ft.)	Soil Type	Init. Moisture Content (%)	Init. Dry Density (PCF)	Init. Void Ratio
○	B-1	N/A	5.0	CL	16.0	106.7	0.579

EGLAB, INC.

Project Name:
900 Rosecrans Avenue, County of Los Angeles

Client: LK Geotechnical

Project No.: 20-0711

EGLAB Project No.: 21-122-040

CONSOLIDATION

(ASTM D2435)

05/21

Figure

SUMMARY OF TEST RESULTS

PROJECT NAME:	900 Rosecrans Avenue, County of Los Angeles	EGLAB JOB No.:	21-122-040
PROJECT No.:	20-0711	CLIENT:	LK Geotechnical
DATE:	5/21/2021	SUMMARIZED BY:	JT

Boring No.	Sample No.	Depth (ft)	pH CalTrans 643	Chloride Content CalTrans 422 (ppm)	Sulfate Content CalTrans 417 (% by weight)	Minimum Resistivity CalTrans 643 (ohm-cm)	Expansion Index ASTM D 4829
B-1	N/A	0-5.0	7.61	200	0.037	620	76

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

900 East Rosecrans Avenue
Los Angeles, California 90059

PREPARED FOR:

Green Dot Public Schools California
c/o Pacific Charter School Development
1149 S. Hill Street, Suite 600
Los Angeles, California 90015

Project Number: PCCD-20-9763

Date: August 24, 2020

Alta Environmental DBA NV5
3777 Long Beach Boulevard Annex Building
Long Beach CA 90807 United States of America
T 562 495 5777 F 562 495 5877
Toll-free (US only) 800 777-0605 www.altaenviron.com

TABLE OF CONTENTS Section Page

FIGURES

APPENDICES

EXECUTIVE SUMMARY

Alta Environmental DBA NV5 (NV5) has completed a Phase I ESA of the property located at 900 East Rosecrans Ave., Los Angeles, Los Angeles County, California (Site). The ESA was performed in conformance with the scope and limitations of ASTM E1527-13 standards. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. The assessment was performed to identify conditions indicative of releases and threatened releases of hazardous substances, pollutants, contaminants, petroleum and petroleum products, and controlled substances on, at, in, or adjacent to the Site. These issues are considered recognized environmental conditions (RECs).

Site Location and Use

The Site is located at 900 East Rosecrans Avenue in Los Angeles County, California. The property consists of two contiguous parcels of land that total approximately 3.2 acres in size. The Site can be identified by Los Angeles County Tax Assessor Parcel Numbers (APNs): 6137-032-33 and 6137-017-001. The Site is located within an area comprised of primarily residential and commercial mixed use. Current uses of adjoining properties include Rosecrans Avenue followed by a distribution warehouse and waste transfer facility to the north and residential homes to the south, east, and west.

At the time of our site reconnaissance, the property was developed with five church and classroom structures (totaling approximately 21,767 square feet) and occupied by a church (The Church of the Redeemer) and a school.

The Site was originally cultivated for agricultural use as early as 1923. In the early 1960's the present-day fellowship hall was constructed on the eastern portion of the Site. In the mid-1970's the present-day sanctuary building and school structures were constructed on the Site.

Data Gaps

The ASTM Standard defines a data gap as "a lack of or inability to obtain information required by the practice despite good faith efforts by the environmental professional to gather such information." A data gap is only significant if other information obtained during the ESA, or professional experience, raises reasonable concerns and affects the ability of the environmental professional to identify whether a given issue is a REC. The ASTM Standard requires that the ESA report identify and comment on significant data gaps. No data gaps were identified by NV5 during this assessment.

Vapor Encroachment Conditions (VEC)

A Tier 1 vapor encroachment screen (VES) for potential chemicals of concern (COC) was completed for the Site. The assessment was based on the ASTM published Standard Guide E 2600-15. The purpose of the VES was to evaluate for the potential for a vapor encroachment condition (VEC) which is the presence or likely presence of COC vapors in subsurface soils at the Site caused by the release of vapors from contaminated soil or groundwater on or near the Site. The results of the VES did not identify evidence of a potential VEC in connection with the Site.

Conclusions and Recommendations

No evidence of a REC, Controlled REC, or historic REC in connection with the Site was identified during this assessment.

Based on the conclusions of this Phase I ESA, no further assessment is recommended.

1 INTRODUCTION

The purpose of this assessment was to evaluate the environmental condition of the site and to satisfy one of the requirements for qualification of the innocent landowner defense, contiguous property owner, or bona fide prospective purchaser under the federal Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). ASTM Standard Practice E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) constitute the "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in:

1. 42 U.S.C § 9601(35)(B), referenced in the ASTM Standard Practice E1527-13;
2. Sections 101(35)(B) (ii) and (iii) of CERCLA and referenced in the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312); and
3. 42 U.S.C. 9601(40) and 42 U.S.C. 9607(q).

This report was prepared exclusively for use by Pacific Charter School Development and its client, Green Dot Public Schools. This report may not be relied upon by any other person or entity without NV5's express written permission. The information, conclusions and recommendations described in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames and project parameters indicated. NV5 cannot be responsible for the impact of any changes in environmental standards, practices or regulations after performance of services.

1.1 Objectives

NV5's objective for this environmental assessment was to identify conditions indicative of releases and threatened releases of hazardous substances, pollutants, contaminants, petroleum and petroleum products, and controlled substances on, at, in, or to the Site. The assessment was done to meet ASTM Standard Practice E1527-13.

The assessment provided herein was determined based on the following:

1. Current and past property uses and occupancies;
2. Current and past uses of hazardous substances;
3. Waste management and disposal activities that could have caused releases or threatened releases of hazardous substances;
4. Current and past corrective actions and response activities undertaken to address past and on-going releases of hazardous substances;
5. Engineering controls;
6. Institutional controls; and
7. Evaluation of properties adjoining or located nearby the Site that have environmental conditions that could have resulted in conditions indicative of releases or threatened releases of hazardous substances to the Site.

1.2 Services

NV5 performed the following services to assess the property:

1. Reviewed historical sources of information;
2. Searched for recorded environmental clean-up liens;
3. Reviewed Federal, State, Tribal, and local government records;
4. Visually inspected the site and the adjoining sites;

5. Evaluated any specialized knowledge or experience on the part of the purchaser;
6. Determined commonly known or reasonably ascertainable information about the property; and
7. Evaluated properties adjoining or located nearby the Site that have environmental conditions that could have resulted in conditions indicative of releases or threatened releases of hazardous substances to the Site.

1.3 Assumptions

NV5 has assumed the following for the purposes of this assessment:

1. Information provided during any interview (written or oral) was accurate and correct;
2. Database information reviewed was accurate and correct;
3. Historical information reviewed was accurate and correct;
4. Information reviewed at any governmental agency was accurate and correct;
5. Groundwater flow and depth to groundwater, unless otherwise specified by on-site well data or well data from adjacent sites, are assumed based on contours depicted on the United States Geological Survey (USGS) Topographic Maps; and
6. The property has been correctly and accurately identified by the client, client representatives, property contact, property owner, and/or property representatives.

1.4 Limitations

This assessment is limited to the standards set forth in ASTM Standard Practice E1527-13. This assessment specifically excludes assessment of the following:

1. Asbestos and asbestos-containing building materials;
2. Biological agents;
3. Cultural and historic resources;
4. Ecological resources;
5. Endangered species;
6. Health and safety;
7. Indoor air quality unrelated to releases of hazardous substances or petroleum products into the environment;
8. Industrial hygiene;
9. Lead-Based Paint;
10. Lead in Drinking Water;
11. Mold;
12. Radon;
13. Regulatory compliance; and
14. Wetlands.

Considerations identified by ASTM as beyond the scope of a Phase I Environmental Site Assessment (ESA) may affect business environmental risk at a given property. These environmental issues or conditions may warrant assessment based on the type of property transaction; however, they are considered non-scope issues under ASTM Standard Practice E1527-13; and therefore, not addressed during this assessment.

The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluation. The conclusions presented in this report are based solely on the services described herein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No subsurface exploratory drilling or sampling of any kind was

done under the scope of this work. Unless specifically stated otherwise in the report, no chemical or physical analyses have been performed during the course of this Phase I ESA.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This is subject to the limitations of historical documentation, availability, and accuracy of pertinent records and the personal recollections of those persons contacted. As applicable, NV5 has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions, to the extent that they have not been contradicted by data obtained from other sources. Accordingly, NV5 accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

Property conditions, as well as local, state, tribal, and federal regulations can change significantly over time. Therefore, the recommendations and conclusions presented as a result of this study apply strictly to the environmental regulations and property conditions existing at the time the study was performed. Available information has been analyzed using currently accepted assessment techniques and it is believed that the inferences made are reasonably representative of the property. NV5 makes no warranty, express or implied, except that the services have been performed in accordance with generally accepted environmental property assessment practices applicable at the time and location of the study.

This Phase I ESA is not, and should not be construed as, a warranty or guarantee about the presence or absence of environmental contaminants that may affect the property. The assessment is not intended to assure clear title to the property in question. The sole purpose of investigation into property title records is to ascertain a historical basis of prior land use and environmental liens. All findings, conclusions, and recommendations stated in this report are based upon facts, circumstances, and industry-accepted procedures for such services as they existed at the time this report was prepared (i.e., federal, state, and local laws, rules, regulations, market conditions, economic conditions, political climate, and other applicable matters). All findings, conclusions, and recommendations stated in this report are based on the data and information provided, and observations and conditions that existed on the date and time of the property visit. Responses received from local, state, or federal agencies or other secondary sources of information after the issuance of this report may change certain facts, findings, conclusions, or circumstances to the report. A change in any fact, circumstance, or industry-accepted procedure upon which this report was based may adversely affect the findings, conclusions, and recommendations expressed in this report.

1.5 Terms

The following terms are used in this report:

- “Site” refers to the property within the approximate boundaries described in Section 2;
- “Immediate site vicinity” refers to properties adjacent to the Site that share a common boundary with the Site; and
- “Site vicinity” refers to the area within an approximate 1-mile radius of the property.
- “Recognized Environmental Conditions” (RECs) – The presence or likely presence of any *hazardous substances* or *petroleum products in, on, at or to a property*: (*1*) due to release to the environment; (*2*) under conditions indicative of a *release* to the *environment*; or (*3*) under conditions that pose a *material threat* of a future *release* to the *environment*. *De minimis conditions* are not *recognized environmental conditions*.

- "Controlled Recognized Environmental Condition" (CREC) – A recognized environmental condition resulting from a past *release* of *hazardous substances* or *petroleum products* that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with *hazardous substances* or *petroleum products* allowed to remain in place subject to the implementation of required controls (for example, *property* use restrictions, *activity and use limitations*, *institutional controls*, or *engineering controls*). A condition identified as a *controlled recognized environmental condition* does not imply that the *environmental professional* has evaluated or confirmed the adequacy, implementation, or continued effectiveness of the required control that has been, or is intended to be, implemented.
- "Historical Recognized Environmental Condition" (HREC) – A past *release* of any *hazardous substances* or *petroleum products* that has occurred in connection with the *property* and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the *property* to any required controls (for example, *property* use restrictions, *activity and use limitations*, *institutional controls*, or *engineering controls*).
- "Migrate/migration" – For the purposes of this practice, "migrate" and "migration" refers to the movement of *hazardous substances* or *petroleum products* in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface.
- "Hazardous Substances" – The term "hazardous substance" is used here in general accordance with its use as defined in the following regulations:

  -- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended; and

  -- Superfund Amendment and Reauthorization Act (SARA) of 1986, as amended.

The terms "material," "waste," and "substances" are used interchangeably, and no legal distinction is implied between the terms as used herein. The words "impact" or "impacted" are used to mean the effect or result of a release of a hazardous substance that could result in a hazardous waste being present at the property. Search distances for government agency lists were those designated by the ASTM Standard E 1527-13.

1.6 Environmental Professionals

This document has been prepared by an Environmental Professional as defined by the EPA, 40 CFR Part 312.10. All work performed for this assessment was performed by or under the direct supervision of an Environmental Professional.

2 SITE DESCRIPTION

Ms. Alondra Villanueva, under the supervision of Mr. Eric Fraske of NV5, conducted a site reconnaissance on August 14, 2020. The descriptions provided herein are based on information provided by the current site representatives and on observations made during that visit. Representative site photographs are included in Appendix A. Site Location and Site Layout maps depicting the areas and features described in the following sections are also provided in Figures 1 and 2.

2.1 Property Location and Use

2.1.1 Location and Size

The Site is located at 900 East Rosecrans Avenue in Los Angeles County, California. The property consists of two contiguous parcels of land that total approximately 3.2 acres in size. The Site can be identified by Los Angeles County Tax Assessor Parcel Numbers (APNs): 6137-032-33 and 6137-017-001.

2.1.2 Use

At the time of our site reconnaissance, the property was developed with five church and classroom structures (totaling approximately 21,767 square feet) and occupied by a church (The Church of the Redeemer) and a school.

2.2 Utility Service Providers

The utilities servicing the Site are:

Electricity	City of Los Angeles Department of Water and Power
Water	City of Los Angeles Department of Water and Power
Gas	Southern California Gas Company
Sewer	City of Los Angeles Department of Sanitation
Municipal Waste	Republic Services
Hazardous Waste	N/A

No water wells or septic systems were observed or reported to be present at the Site during the site reconnaissance.

2.3 Hazardous Materials and Chemical Storage Areas

Small quantities of household cleaning products were observed and reported to be present at the Site in janitorial and maintenance storage areas. No evidence of spills, leaks, or releases of these materials was observed during the site reconnaissance. Their presence is not considered to represent a REC.

2.3.1 Drums

No evidence of hazardous materials in drums on the Site was observed.

2.4 Storage Tanks

2.4.1 Aboveground Storage Tanks (ASTs)

No evidence of ASTs at the Site was observed or reported during the site reconnaissance.

2.4.2 Underground Storage Tanks (USTs)

No evidence of USTs at the Site was observed or reported during the site reconnaissance.

2.4.3 Septic Tanks

No evidence of septic tanks was observed onsite or reported during the site reconnaissance.

2.5 Polychlorinated Biphenyls

No electrical or mechanical equipment suspected of containing polychlorinated biphenyls (PCBs) were identified on the Site during the Site reconnaissance.

2.6 Floor Drains, Sumps, and Clarifiers

No floor drains, sumps, or clarifiers were observed or reported to be on the Site.

2.7 Back-Up Power Generators

No fixed back-up power generators were observed or reported to be on the Site.

2.8 Cooling Towers

No cooling towers were observed or reported to be on the Site.

2.9 Elevators, Lifts and Compactors

No elevators, lifts, or compactors were observed or reported to be on the Site.

2.10 Odors

No strong, pungent, or noxious odors indicative of a past release of hazardous substances or petroleum products were identified during the course of this assessment.

2.11 Pools of Liquid

No standing surface water or other pits, ponds, or lagoons potentially containing hazardous substances or petroleum products were identified within the Site.

2.12 Surface Staining

No surface staining indicative of a past release of hazardous substances or petroleum products was identified within the Site.

2.13 Stressed Vegetation

No stressed vegetation or other indications of potential release of hazardous substances or petroleum products were observed during the site reconnaissance.

2.14 Solid Waste

No indications of unauthorized dumping of trash, construction or demolition debris, or other solid waste disposal were identified during the site reconnaissance.

2.15 Adjacent Sites

The Site is located within an area of mixed commercial and residential use. The following land use in the near vicinity of the property was observed:

Direction	Property Name	Property Address	Business Operation
North:	CTSI Logistics	2917 W. Rosecrans Avenue	Warehouse Distribution Center
	Republic Services Compton Transfer Station	2509 W. Rosecrans Avenue	Waste Transfer Station
West:	Residential Homes	Cylmar Avenue	Residential
East:	Residential Homes	Cahita Avenue	Residential
South:	Residential Homes	E. 145th Street	Residential

3 SITE SETTING

3.1 Topographic

The 2012 United States Geological Survey (USGS), [Inglewood] 7.5 Minute Topographic Quadrangle map of the Site and surrounding vicinity was reviewed. The elevation of the property is approximately 113 feet above mean sea level. The Site and surrounding topography are relatively flat with a slight slope to the east-southeast. A copy of the USGS 7.5 Minute Topographic Quadrangle Map is included in Appendix B.

3.2 Regional Geology and Hydrology

The following description of regional geology and hydrology was developed based on regional information presented on the EDR GeoCheck report (2019) and Regional Water Quality Control Board's online *Geotracker* database.

According to United States Department of Agriculture (USDA) soil data published in the EDR GeoCheck report, soils underlying the Site are classified as Urban land. Soils of this type consist of variable soil types and therefore textures and infiltration rates vary (Appendix B).

NV5 reviewed groundwater data on the *Geotracker* database for an ongoing groundwater investigation/cleanup at the property located at 730 East 139th Street in Compton, California (located approximately 1,100 feet north of the Site). Based on investigations conducted at this facility, depth to first groundwater in the vicinity of the Site is approximately 61 to 91 feet below ground surface. Groundwater flow direction is reported to be in an east-northeasterly direction.

3.3 Flood Plain

According to Federal Emergency Management Agency flood plain data presented in the site-specific Environmental Data Resources (EDR) Geocheck Report, the Site is not located within a 100-year or 500-year flood zone (EDR, 2020). The EDR Report is presented as Appendix B.

3.4 Wetlands

According to map data published on the United States Department of Fish and Wildlife (USFW) National Wetlands Inventory (https://www.fws.gov/wetlands/data/mapper.html), No wetlands are mapped on the subject or adjoining properties (Appendix C).

3.5 Water Bodies

No water bodies were observed on the subject or adjoining properties.

3.6 Oil and Gas Wells

According to the State of California, Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR) Online Mapping System (DOMS), no oil/gas wells were identified on the Site. A plugged dry hole (API 0403714370) is mapped on one of the eastern adjoining residential properties, across S. Cahita Avenue.

4 USER-PROVIDED INFORMATION

Information obtained during the interview process is presented in the following sections.

4.1 Title Records

Title records were not provided by the site user representative. However, the EDR Lien and AUL Search report presented copies of one Deed for APNs: 6137-017-001, 6137-032-033 associated with the Site. The Deeds identify Presbytery of the Pacific as the Grantee. The legal current owner for the Deed is identified as Presbytery of the Pacific. Appendix D presents the EDR Lien and AUL report.

4.2 Clean-Up Liens

No knowledge of any clean-up liens against the Site was reported by those interviewed. Furthermore, the EDR Environmental Lien and AUL Search report did not identify any environmental liens for the Site (Appendix D).

4.3 Activities and Use Limitations

No knowledge of site-specific activities or use limitations recorded against the Site were reported by those interviewed. Furthermore, according to the EDR Lien and AUL Search report, no Activity and Use Limitations are identified for the Site (Appendix D).

4.4 Specialized Knowledge

No specialized knowledge identifying evidence of a recognized environmental condition was disclosed by those interviewed during the course of this Phase I investigation.

4.5 Commonly Known Information

No commonly known information identifying evidence of a recognized environmental condition was disclosed by those interviewed during the course of this Phase I investigation.

4.6 Previous Environmental Assessments

No previous environmental assessments were identified or provided to NV5.

5 RECORDS REVIEW

5.1 Governmental Databases

NV5 contracted EDR to perform a radius search of governmental databases for this project. The distribution of listed sites with respect to the Site is tabulated and mapped in EDR's Radius Map Report, which can be found in Appendix B. The reader is referred to the table, which can be found near the front of EDR's report.

NV5 conducted a review of the above-referenced database reports and provides the following findings based on sites that have the potential to impact the Site, with respect to the inferred east-northeasterly groundwater flow direction. Our findings are based on the assumption that a hazardous material released to the subsurface generally does not migrate laterally within unsaturated soil for a significant distance. Although a hazardous material can migrate in groundwater in a generally down-gradient direction, there are limitations to this interpretation such as groundwater depth, soil lithology and other subsurface barriers.

5.1.1 Site Database Findings

The Site address (900 E. Rosecrans) was not identified in the EDR database report. Several listings for an address located at 900 W. Rosecrans (located over a mile to the east of the Site) were incorrectly reported as being associated with the Site address on the database report. These listings are not considered to represent and REC.

5.1.2 Adjoining Property Database Findings

EDR's report identified multiple adjoining properties. The details of these listings are presented below.

Facility Name & Address	**CTSI Logistics** **2517 West Rosecrans** **Compton, CA**	**Northern Adjoining Property**
Database(s) Listed: RCRA NonGen/NLR		
This facility is located across Rosecrans Avenue from the Site. This Site is listed on the Resource Conservation and Recovery Act (RCRA) NonGen database. According to this database, this facility does not generate hazardous wastes. No violations are reported. This listing is not considered to represent evidence of an REC.		

Facility Name & Address	**BFI Compton Solid Waste** **CVS Health** **Compton Transportation Station** **The TJX Companies** **Browning-Ferris Ind.** **2509 West Rosecrans** **Compton, CA**	**Northern Adjoining Property**
Database(s) Listed: RCRA-SQG, RCRA NonGen, SWF/LF, LUST, Cortese, CERS, UST, CERS Haz Waste, Tanks, NPDES, CIWQS, and CERS		
This facility is located across Rosecrans Avenue from the Site. This Site is listed on the Resource Conservation and Recovery Act (RCRA) NonGen database. According to this database, this facility does not generate hazardous wastes. No violations are reported. This listing is not considered to represent evidence of an REC. According to the CERS HazWaste generator database, Allied Waste Services is registered as a hazardous waste generator at the property address. Allied Waste Services is also listed as an operator of an underground storage tank at this address. Several violations were issued for failure to submit a complete and accurate application for a permit to operate a UST, failure to comply with the requirements to operate a UST, and various other violations related to monitoring and permitting. All violations are listed as being brought into compliance. According to the UST database, this facility is the registered location of a UST. According to the LUST database, a release of gasoline and diesel into soil was reported at this facility in July 1999. The release received regulatory closure status in July 2014. According to closure documentation reported on the Geotracker website, in 2003 the leaking diesel UST along with approximately 238 tons of petroleum impacted soil were removed from the property. The UST was		

Facility Name & Address	**BFI Compton Solid Waste CVS Health Compton Transportation Station The TJX Companies Browning-Ferris Ind. 2509 West Rosecrans Compton, CA**	**Northern Adjoining Property**
replaced with a new diesel UST. Groundwater was not encountered during excavation activities. Report maps indicated that the UST system was located over 500 feet north of the Site boundary. According to the NPDES and CIWQS database, this facility maintained an industrial stormwater permit until January 2012. According to the SWF/LF database, this facility is a transfer location for generation household wastes. Based on the nature of the past release (soil only), regulatory closure status for the past release and previous violations, and the separation distance of the UST system from the Site, these listings are not considered to represent a REC or VEC in connection with the Site.		

5.1.3 General Vicinity Database Findings

EDR's report identified multiple off-site facilities within applicable ASTM search radii. NV5 considered all of the listed sites unlikely to impact the subject site, based upon factors including (but not limited to):

- The nature of the listing;
- The use of the site;
- When the site was listed and its current listed status;
- The developmental density of the setting;
- The distance between the listed and subject sites as related to the distance that releases are likely to migrate based on local surface and subsurface drainage conditions;
- The presence of intervening drainage divides; and/or
- The inferred groundwater movement.

One facility of note is further discussed below.

Facility Name & Address	**Uniform Rental Service 730 East 139th Street Compton, California**	**Located 1,145 Feet North-Northwest of Site**
Database(s) Listed: CPS-SLIC		
According to information published on the Geotracker website: *"Historic investigations of the subject site (Site) indicate that the Site was developed in 1960 and was occupied by a ceramic lamp manufacturer between 1960 and 1962. An air conditioning manufacturer occupied the Site between 1962 and 1972. Uniform Rental Service operated an industrial laundry at the Site from 1972 to 2000. According to information provided to the Regional Board, the building on Site was destroyed by a fire in January 1981 and an unknown number of aboveground polyethylene tanks containing tetrachloroethene (PCE) melted during the fire. Subsurface investigation at the Site indicates that soil, soil vapor, and groundwater have been impacted by releases at the Site. An investigation to determine the lateral and vertical limits of impacted groundwater is currently underway, and soil vapor extraction continues to operate."*		

Facility Name & Address	**Uniform Rental Service 730 East 139th Street Compton, California**	**Located 1,145 Feet North-Northwest of Site**
The most recent groundwater monitoring report indicated that the boundary of the impacted groundwater plume is over 500 feet north of the Site boundary and that groundwater flow is relatively to the east (cross-gradient with respect to the Site). Based on available data, this listing is not considered to represent a REC or VEC.		

5.2 Regional Agency Offices

NV5 submitted information requests to the various county and regional agencies that may have records with regard to environmentally-oriented concerns affecting the Site, in accordance with ASTM E1527-13 requirements. Should significant records be identified at a later date, an addendum to this report will be issued. Documentation obtained from regulatory agency requests is presented in Appendix C.

Agency	**Records Summary**
Division of Oil, Gas, and Geothermal Resources – DOGGR	Site No oil or gas wells were identified. Adjoining A plugged dry hole (API 0403714370) is mapped on one of the eastern adjoining residential properties, across S. Cahita Avenue.
Regional Water Quality Control Board – GEOTRACKER	Site No records identified. Adjoining Property Northern Adjoining Property -2509 Rosecrans Ave. This facility was identified as a closed LUST site and is further discussed in Section 5.1.2.
Department of Toxic Substances Control – ENVIROSTOR	Site No records identified. Adjoining Property No records identified.
Los Angeles County Fire Department	No records identified.
Los Angeles City Fire Department	No records identified.
Los Angeles City Building and Safety Department	No records identified.
Los Angeles County Public Health Investigation	No records identified.

Agency	Records Summary
Los Angeles County Department of Public Works	No records identified.
South Coast Air Quality Management District (AQMD) FINDS	No records identified.

5.3 Historical Records

NV5 used USGS Topo maps, aerial photographs, fire insurance maps, and historical street directories to provide information about the history of the Site and its surroundings. The resources NV5 reviewed are tabulated below and presented in Appendix E.

Historical Resources		
Source Type	**Years Reviewed**	**Source**
USGS Topo Maps	1896, 1899,1902, 1923, 1924, 1930,1937,1942,1943,1947,1948,1949,1950,1952, 1964, 1972, 1981, 2012	USGS/EDR
Aerial Photograph(s)	1923, 1928, 1938, 1947, 1952, 1963, 1970, 1979, 1981, 1989,1994, 2002, 2005, 2009, 2012, 2016	EDR
Fire Insurance (Sanborn) Maps	Unmapped property	EDR
Street Directories	1920-2014 (at approximate 5-year intervals)	EDR

5.4 Past Uses – Site

Our interpretation of past uses of the property, based on the historical data sources listed above, are tabulated below.

Date	Interpreted Property Use
1894 to 1938	USGS Topo maps and aerial photographs depict the Site to be undeveloped and cultivated for agricultural purposes.
1947 to 1952	USGS Topo maps and aerial photographs depict several small structures along the northern portion of the site.
1963 to 1970	USGS Topo maps and aerial photographs indicated that the several small structures along the northern portion of the Site have been demolished and the land left vacant. The present-day fellowship hall is present on the eastern portion of the Site.
1976 to 2016	Aerial photographs depict the Site to be developed with the present-day church and school structures. <u>Historic city directories identified the tenant of the property as</u>: • 1976-2004 Redeemer Alternative School

5.5 Past Uses – Adjoining Properties

Our interpretation of past uses of the adjoining properties, based on the historical data sources listed above, are tabulated below.

Date	Description
Northern Adjoining Property	
1923 to 1952	USGS Topo maps and aerial photographs depict the property, across Rosecrans Avenue, to be undeveloped vacant land.
1963 to 1979	USGS Topo maps and aerial photographs depict the property to be developed with small structures and what appears to be a car lot or junk yard.
1981 to 2012	Aerial photographs depict the eastern portion of the property to be developed with the present-day waste transfer facility. The western portion of the property appears developed with a trucking yard. The property addresses were not identified in the city directories.
2016	Aerial photographs depict the properties to be developed with the present-day warehouse building and waste transfer facility.
Southern Adjoining Property	
1923 to 1952	USGS Topo maps and Aerial Photographs depict the property to be undeveloped vacant land.
1963 to 2016	USGS Topo maps and Aerial Photographs depict the property to be developed with the present-day residential properties. Historic city directories identified the tenants of the property as various residential tenants.
Eastern Adjoining Property	
1923 to 1947	USGS Topo maps and Aerial Photographs depict the property to be undeveloped vacant land.
1952 to 2016	USGS Topo maps and Aerial Photographs depict the property to be developed with the present-day residential properties. Historic city directories identified the tenants of the property as various residential tenants.
Western Adjoining Property	
1923 to 1952	USGS Topo maps and Aerial Photographs depict the property to be undeveloped vacant land.
1963 to 2016	USGS Topo maps and Aerial Photographs depict the property to be developed with the present-day residential properties. Historic city directories identified the tenants of the property as various residential tenants.

5.6 Interviews

NV5 interviewed parties potentially having information about current and/or former conditions at the Site. The parties and their affiliation are tabulated on the following page.

Interviews		
Name	**Affiliation**	**Role**
Pastor Kelly Allison	Church of the Redeemer	Owner/Occupant
Mishelle Oun	Pacific Charter School Development	Project Manager

No evidence of a REC in connection with the Site was disclosed during the abovementioned interviews. Pertinent information collected during these interviews has been incorporated throughout the report where appropriate. Interview records are presented in Appendix F.

6 NON-SCOPE CONSIDERATIONS

Per the authorized scope of work, items beyond the scope of ASTM E-1527-13 were not addressed as part of this assessment.

7 VAPOR ENCROACHMENT SCREENING

ASTM E1527-13 requires the Environmental Professional to evaluate the potential for vapor encroachment of chemicals of concern (COC) onto the Site, and to determine if such vapor encroachment constitutes evidence of a REC on the Site. The E1527-13 Standard Practice does not specifically state the methods that must be used to screen for potential vapor encroachment issues. However, ASTM has developed a separate Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions (ASTM E2600-15), which outlines an ASTM E1527-13-compliant methodology to conduct vapor encroachment screening.

7.1 VES Methodology

The goal of conducting Vapor Encroachment Screening (VES) is to identify a vapor encroachment condition (VEC), which is defined as the presence or likely presence of chemicals of concern (COC) vapors in the vadose zone of the Site caused by the release of vapors from contaminated soil and/or groundwater either on or near the Site. If a VEC is identified, the environmental professional must determine whether the VEC represents evidence of a REC on the Site under the context of the Phase I ESA Standard Practice. It should be noted that the identification of a VEC on the Site does not necessarily indicate that a potential for migration of vapors into existing or proposed structures on the Site is likely. The environmental professional will identify the VEC as a REC where the potential for vapor migration into structures is considered likely, or where the contaminant concentrations in the soil, groundwater, or soil vapors on the Site are significant and likely to result in enforcement against on-site or off-site responsible parties.

The VES utilizes information regarding the potential presence of releases on or near the Site that were collected as a normal part of the Phase I ESA process, such as governmental database records, review of governmental files, historical data sources, etc. The VES Standard Guide requires the environmental professional to search for potential sites of concern within specific search radii. The area of concern

search radius is 1,760 feet (1/3 mile) for non-petroleum contaminated sites and 528 feet (1/10 miles) for petroleum contaminated sites. The default search distances may be expanded or reduced in the upgradient, downgradient, or cross-gradient directions by the environmental professional based on experience in the local area and applying professional judgment to factors such as where a well-defined regional groundwater flow direction is identified, or whether other geologic features such as low permeability soils or hydrogeologic boundaries such as rivers or streams exist which would tend to limit the potential for migration of groundwater or vapors in a particular direction.

7.2 VES Search Results

NV5 identified several sites of potential concern within the VES search radii, based on our review of governmental database records, regulatory agency files, and historical resources referenced in Section 5.3. However, based on our review of available information, none of these sites appear to represent a VEC in connection with the Site.

8 FINDINGS

Based on the site reconnaissance, review of historical and available documents, and interviews, NV5 finds the following:

8.1 Current Site Activities

At the time of our site reconnaissance, the property was developed with five church and classroom structures (totaling approximately 21,767 square feet) and occupied by a church (The Church of the Redeemer) and a school.

8.2 Historical Site Activities

The Site was originally cultivated for agricultural use as early as 1923. In the early 1960's the present-day fellowship hall was constructed on the eastern portion of the Site. In the mid-1970's the remainder of the current day church and school structures were constructed on the Site.

8.3 Off-Site Activities

The Site is located within an area primarily mixed for residential and commercial use. Current uses of adjoining properties include Rosecrans Avenue followed by a distribution warehouse and waste transfer facility to the north and residential homes to the south, east, and west.

8.4 Data-Gaps

The ASTM Standard defines a data gap as "a lack of or inability to obtain information required by the practice despite good faith efforts by the environmental professional to gather such information." A data gap is only significant if other information obtained during the ESA, or professional experience, raises reasonable concerns and affects the ability of the environmental professional to identify whether a given issue is a REC. The ASTM Standard requires that the ESA report identify and comment on significant data gaps. No data gaps were identified by NV5 during this assessment.

9 CONCLUSIONS AND RECOMMENDATIONS

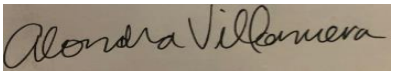
NV5 completed a Phase I ESA of the Site located at 1612 W. Pico Boulevard in Los Angeles, California. The ESA was performed in conformance with the scope and limitations of ASTM E1527-13 standards. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. The assessment was performed to identify conditions indicative of releases and threatened releases of hazardous substances, pollutants, contaminants, petroleum and petroleum products, and controlled substances on, at, in, or to the Site.

No evidence of a REC, Controlled REC, or historic REC in connection with the Site was identified during this assessment.

Based on the conclusions of this Phase I ESA, no further assessment is recommended.

10 QUALIFICATIONS AND SIGNATURE

Ms. Alondra Villanueva gathered the information presented in this report and conducted the Site reconnaissance under the supervision of the Environmental Professionals listed below.



ALONDRA VILLANUEAVA
SPECIALIST I

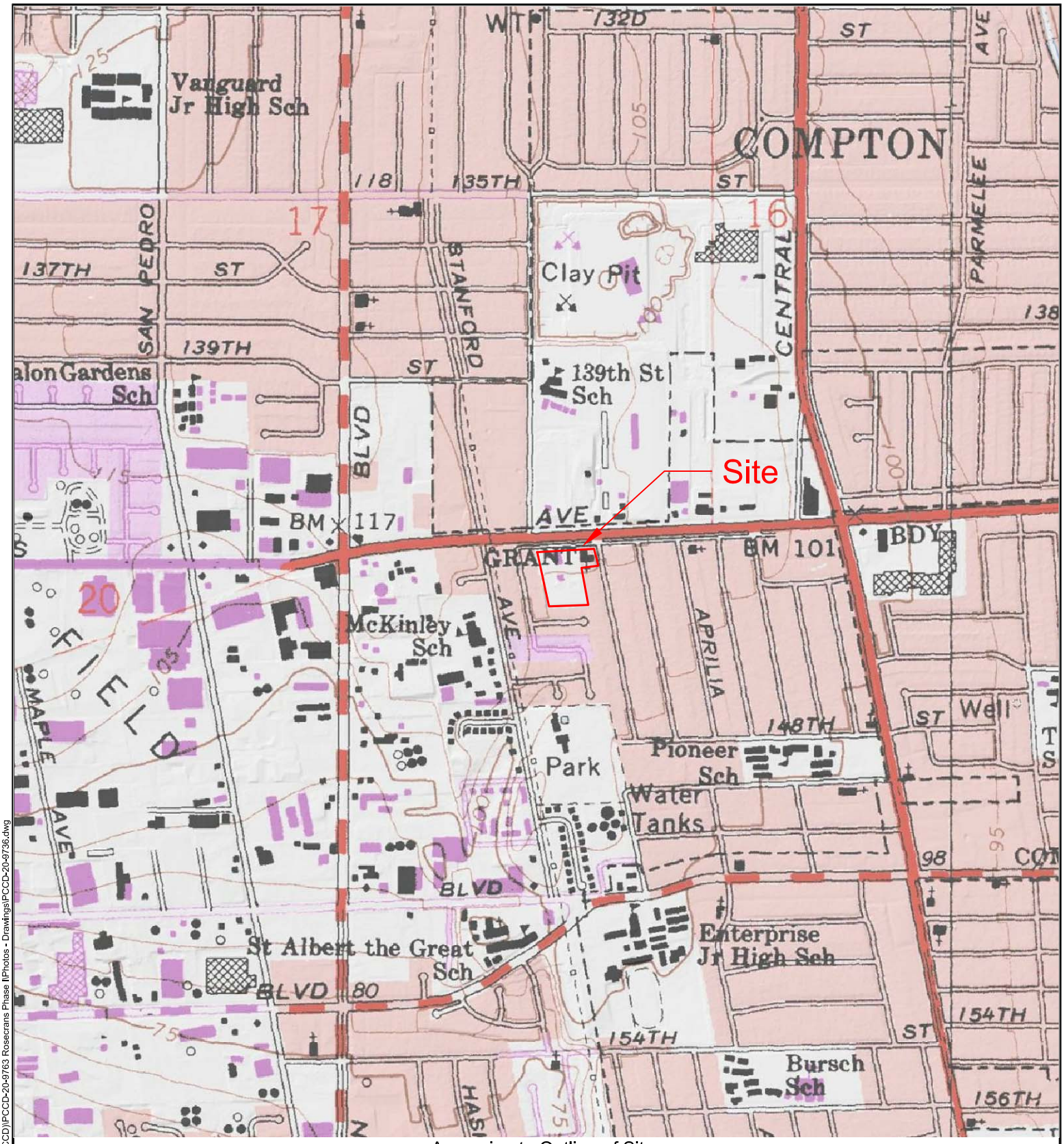
I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental professional as defined in 40 CFR 312.10. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

REID SHIGENO, EIT
PROJECT MANAGER
STAFF I

ERIC FRASKE, PE
SENIOR TECHNICAL REVIEWER
SENIOR ENGINEER

Resume and other supporting documentation are maintained on file at NV5

Figures



Approximate Outline of Site

FIGURE 1: Site Vicinity Map

CLIENT: Pacific Charter School Development	SITE LOCATION: Green Dot Public School, 900 E. Rosecrans Avenue, Los Angeles, California 90059
PROJECT #: PCCD-20-9763	

NV5 ALTA ENVIRONMENTAL
3777 Long Beach Blvd., Annex Bldg.
Long Beach, CA 90807
(562) 495-5777 www.altaenviron.com

DRAWN: BP	APPROVED: EF	NORTH
SCALE: None	DATE: Aug. 2020	

W:\Clients N-S\Pacific Charter School Development (PCCD)\PCCD-20-9763 Rosecrans Phase II\Photos - Drawings\PCCD-20-9736.dwg

FIGURE 2: Site Layout Map

CLIENT: Pacific Charter School Development

SITE LOCATION: Green Dot Public School
900 E. Rosecrans Avenue
Los Angeles, California 90059

DRAWN: BP	APPROVED: EF
SCALE: None	DATE: 8/17/20
PROJECT #: PCCD-20-9763	
SOURCE: Google Earth Professional, 2020	

NORTH

NV5
ALTA ENVIRONMENTAL
3777 Long Beach Blvd. Annex Bldg. Long Beach, California 90807
P: (562) 495-5777 ♦ F: (562) 495-5877 ♦ www.altaenviron.com

W:\Clients N-S\Pacific Charter School Development (PCCD)\PCCD-20-9763 Rosecrans Phase II\Photos - Drawings\PCCD-20-9736.dwg

Appendix A

Representative Site Photographs

Photo 1: Site Location Facing South 900 E Rosecrans Avenue

Photo 2: Chapel and Church Offices building Facing North

Photo 3: Church Offices connected to Chapel Facing East.

Photo 4: Interior of Fellowship Hall Building Facing East

Photo 5: Interior Kitchen of Fellowship Hall Building

Photo 6: Janitorial Closet in Fellowship Hall Building

Photo 7: Classroom Building Adjoining Parking Lot Facing Southwest

Photo 8: Interior of Classroom Building

Photo 9: Storage Shed Building Facing Northeast

Photo 10: Smaller Storage Shed Facing East

Photo 11: Classroom Bungalow on Southern portion of Site Facing Northwest

Photo 12: Playground Facing Southwest

Photo 13: Playground Structure in Center of Site Adjoint to Classroom Building Facing West

Photo 14: Parking lot Facing South

Photo 15: Southern Paved Athletic Fields Facing Southwest

Photo 16: 2917 Rosecrans Ave Northern Adjoining Properties, CTSI Logistics & Air and World Transport Warehouse Facilities

Photo 17: Eastern Adjoining Residential Properties

Photo 18: 2509 W Rosecrans Ave Northern Adjoining Property (Compton Transfer Station)

Photo 19: Southern Adjoining Residential Properties

Photo 20: Western Adjoining Residential Properties

Appendix B

EDR Radius Report with GeoCheck

Green Dot Public School
□□□ Rosecrans
Compton, CA □□□□□

In□uiry □um□er□□□□□□□□.□s
□uly □□, □□□□

The EDR Radius Map™ Report with GeoCheck®

□ Armstrong Road, □th floor
□helton, CT □□□□□
Toll Free□□□□.□□□.□□□□
www.edrnet.com

TABLE OF CONTENTS

Thank you for your business.
Please contact R at
with any questions or comments.

EXECUTIVE SUMMARY

A search of availa□le environmental records was conducted □y □nvironmental □ata Resources, Inc □□□R□. The report was designed to assist parties seeking to meet the search re□uirements of □□A's □tandards and □ractices for All Appropriate In□uiries □□□ CFR □art □□□□, the A□TM □tandard □ractice for □nvironmental □ite Assessments □□ □□□□□□□□, the A□TM □tandard □ractice for □nvironmental □ite Assessments for Forestland or Rural □roperty □□ □□□□□□□□□, the A□TM □tandard □ractice for □imited □nvironmental □ue □iligence□Transaction □creen □rocess □□ □□□□□□□□□□or custom re□uirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

□□□ R□ □□CRA□□
C□ M□T□ □, CA □□□□□

COORDINATES

□atitude □□orth□□	□□.□□□□□□□ □□□□□□□° □.□□"
□ongitude □□ est□□	□□□.□□□□□□□ □□□□□□□° □□.□□"
Universal Tranverse Mercator□ □one □□	
UTM □ □Meters□□	□□□□□□.□
UTM □ □Meters□□	□□□□□□□.□
□levation□	□□□ ft. a□ove sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target □roperty Map□	□□□□□□□ I□□□□□ □□□, CA
□ersion □ate□	□□□□
□ortheast Map□	□□□□□□□ □□UTH □AT□, CA
□ersion □ate□	□□□□

AERIAL PHOTOGRAPHY IN THIS REPORT

□ortions of □hoto from□	□□□□□□□□
□ource□	U□□A

MA□□□□ □IT□□ □UMMAR□

Target □roperty Address□
□□□□ R□ □□CRA□ □
C□ M□T□ □, CA □□□□□

Click on Map I□ to see full detail.

MA□ I□	□IT□ □AM□	A□□R□□□	□ATA□A□□ ACR□ □□M□	R□□ATI□□ □□□□ATI□ □	□I□T □ft. □ mi.□ □IR□CTI□ □
A□	□□M □I□ C□	□□□ □ R□ □□CRA□□ A□□	□□□ A□ □ □□□□ C□. HM□		T□
A□	□□TR□ MA□	□□□ □ R□ □□CRA□□ A□□	U□T, □□ □ A□ □ □□□□ C□. HM□		T□
A□	CA□IF TAR□ □T	□□□ □ R□ □□CRA□□	HA□□□T, H□ T□		T□
A□	□□M □□R□IC□ □TATI□ □□	□□□ □ R□ □□CRA□□ A□□	□□ □□□□ U□T, □□ □ A□ □ □□□□ C□. HM□		T□
A□	□□M □I□ C□	□□□ □ R□ □□CRA□□ A□□	□□I□□□ □□		T□
A□	□□□	□□□ □ R□ □□CRA□□	HI□T U□T		T□
A□	□□ TAR□ □T □□T□R□RI□□	□□□ □ R□ □□CRA□□	HA□□□T, H□ T□		T□
A□	□□I□□MA□ H□R□□RT M	□□□ □ R□ □□CRA□□ A□□	□□R Hist Auto		T□
A□	□ □ M	□□□ □ R□ □□CRA□□	HA□□□T, H□ T□		T□
A□□	□□M □I□ C□	□□□ R□ □□CRA□□ A□□. □	R□A □U□T		T□
A□□	□□M □I□ C□	□□□ □ R□ □□CRA□□ A□□	R□A □U□T		T□
A□□	□A□ □□□□ □AU□□R□MAT	□□□ □ R□ □□CRA□□ A□□	□□R Hist Cleaner	Higher	□□, □.□□□, □ □□
□□	CT□I □□ □I□TIC□ I□C.	□□□□ □ □□T R□ □□CRA□□	RCRA □on□en □□□R	□ower	□□□, □.□□□, □□□
□□□	A□R□ □R□□UCT□ C□	□□□ □ R□ □□CRA□□ A□□	C□R□ HA□ □ A□T□, HA□□□T, H□ T□	Higher	□□□, □.□□□, □□
□□□	A□R□ □R□□UCT□ C□	□□□ □ R□ □□CRA□□ A□□	RCRA □on□en □□□R	Higher	□□□, □.□□□, □□
□□□	U□IT□□ □ARC□□ □□R□IC	□□□□ □ MC□I□□□□ A□□	C□R□ HA□ □ A□T□, HA□□□T, □□□□□, CI□ □□, C□R□, H□ T□	Higher	□□□, □.□□□, □□□
□□□	U□IT□□ □ARC□□ □□R□IC	□□□□ □ MC□I□□□□ A□□	RCRA□□□	Higher	□□□, □.□□□, □□□
□□□	R□ □□ C□□A□□R□	□□□ □ R□ □□CRA□□	□□R Hist Cleaner	Higher	□□□, □.□□□, □ □□
□□□	□□□□ □□ RTH MC□I□□□□	□□□□ □□ RTH MC□I□□□□	U□ □R□ □ □FI□□□□	Higher	□□□, □.□□□, □□□
□□□	C□ □T□M□□ M□TA□ FUR□I	□□□ □ R□ □□CRA□□ A□□	RCRA□□□□, FI□□□, □CH□	Higher	□□□, □.□□□, □ □□
C□□	□FI C□ M□T□ □ □□□I□ □ A	□□□□ □ R□ □□CRA□□ A□□	RCRA □on□en □□□R	Higher	□□□, □.□□□, □□□
C□□	C□□ H□A□TH	□□□□ □ R□ □□CRA□□ A□□	RCRA □on□en □□□R	Higher	□□□, □.□□□, □□□
C□□	C□ M□T□□ TRA□□F□R □TA	□□□□ □ R□ □□CRA□□ A□□	C□R□ HA□ □ A□T□, C□R□ TA□□□, □□□□□, CI□ □□, C□R□	Higher	□□□, □.□□□, □□□
C□□	TH□ T□□ C□ M□A□I□□, I	□□□□ □ . R□ □□CRA□□ A□	RCRA □on□en □□□R	Higher	□□□, □.□□□, □□□
C□□	TH□ T□□ C□ M□A□I□□, I	□□□□ R□ □□CRA□□ A□□.	RCRA □on□en □□□R	Higher	□□□, □.□□□, □□□
C□□	□R□ □ □□F□RRI□ I□□ □□F	□□□□ □ □□T R□ □□CRA□□	□□ F□□F, □U□T, Cortese, C□R□	Higher	□□□, □.□□□, □□□
C□□	□R□ □ □I□□□F□RRI□ I□□	□□□□ □ R□ □□CRA□□ A□□	U□T	Higher	□□□, □.□□□, □□□
□□□	T□□TR□ □ C□ATI□□ I□C	□□□□ □ □TA□F□R□	RCRA□□□□, FI□□□, □MI	Higher	□□□, □.□□□, □ □□
□□□	M □TAR □A□ □TATI□ □	□□□□ □ R□ □□CRA□□ A□□	□□R Hist Auto	□ower	□□□, □.□□□, □ast
□□□	□T□ □ □A□□	□□□□ □.R□ □□CRA□□	HI□T U□T	□ower	□□□, □.□□□, □ast
□□□	A □ M FA□T□□□R □□R□I	□□□□ □ MC□I□□□□ A□□	RCRA □on□en □□□R	Higher	□□□, □.□□□, □□□
□□□	A □ M FA□T□□□R □□R□I	□□□□ □ MC□I□□□□ A□□	C□R□ HA□ □ A□T□, HA□□□T, C□R□, H□ T□	Higher	□□□, □.□□□, □□□
□□□	□□R□IC□ □TATI□□ □□A	□□□□ □ R□ □□CRA□□□C□□	RCRA □on□en □□□R	□ower	□□□, □.□□□, □ast
□□□	CA□IF□R□IA FRAM□□, I	□□□□□ MC□I□□□□ A□□	□U□T, Cortese, HI□T C□RT□□□, C□R□	Higher	□□□, □.□□□, □□□
F□□	□ □□T R□ □□CRA□□ A□□	□□□□ □ R□ □□CRA□□ A□□	□□ □□□□ U□T, □□ □ A□ □ □□□□ C□. HM□, CI□ □□	□ower	□□□, □.□□□, □□
F□□	C C □ □□A□TIC □AC□A□	□□□□ □ R□ □□CRA□□ A□□	RCRA□□□□	□ower	□□□, □.□□□, □□
F□□	A□□ F□ □ □ □R□ U□	□□□□ □ R□ □□CRA□□ A□□	RCRA □on□en □□□R	□ower	□□□, □.□□□, □□
F□□	A□A□□ □ C□□□ □T□RA□□,	□□□□ □ R□ □□CRA□□ A□□	RCRA □on□en □□□R	□ower	□□□, □.□□□, □□
F□□	□□ □ A□ □□□□ TRA□□□□R	□□□□ □ R□ □□CRA□□	RCRA □on□en □□□R	□ower	□□□, □.□□□, □□

□□□□□□□.□s □age □

MA□□□□ □IT□□ □UMMAR□

Target □roperty Address□
□□□□ R□ □□CRA□□
C□ M□T□ □, CA □□□□□

Click on Map I□ to see full detail.

MA□ I□	□IT□ □AM□	A□□R□□□	□ATA□A□□ ACR□ □□M□	R□□ATI□□ □□□□ATI□ □	□I□T □ft. □ mi.□ □IR□CTI□ □
□ □□	TR□□CH □H□RI□□ C□	□□□ □ R□ □□CRA□□ A□□	U□T	Higher	□□□, □.□□□, □ est
□ □□	TR□□CH □H□RI□□	□□□ R□ □□CRA□□ A□□. □	□U□T, Cortese	Higher	□□□, □.□□□, □ est
□ □□	TR□□CH □H□RI□□ C□M□A	□□□ □ R□ □□CRA□□ A□□	C□R□ TA□□□, HA□□□T, □□ □ A□ □□□□□ C□. HM□, C□R□,...	Higher	□□□, □.□□□, □ est
□ □□	TRA□□□□□	□□□ R□ □□CRA□□ A□□	RCRA □on□en □□□R	Higher	□□□, □.□□□, □ est
□ □□	TR□□CH □H□RI□□ C□M□A	□□□ □ R□ □□CRA□□ A□□	RCRA □on□en □□□R	Higher	□□□, □.□□□, □ est
H□□	MI□□□R'□ C□□A□□R□	□□□□ □ R□ □□CRA□□ A□□	RCRA □on□en □□□R	□ower	□□□, □.□□□, □□□
H□□	MI□□□R□ C□□A□□R□	□□□□ □ R□ □□CRA□□ A□□	□R□C□□A□□R□	□ower	□□□, □.□□□, □□□
H□□	MI□□□R'□ C□□A□□R□, □	□□□□ □ R□ □□CRA□□ A□□	□R□C□□A□□R□	□ower	□□□, □.□□□, □□□
H□□	MI□□□R'□ C□□A□□R□	□□□□ □ R□ □□CRA□□ A□□	C□R□ HA□ □ A□T□, □R□C□□A□□R□, □MI	□ower	□□□, □.□□□, □□□
H□□	MI□□□R'□ C□□A□□R□	□□□□ □ R□ □□CRA□□ A□□	□R□C□□A□□R□	□ower	□□□, □.□□□, □□□
H□□	MI□□□R□ C□□A□□R□	□□□□ □ R□ □□CRA□□	RCRA□□□□, FI□□□, □CH□, HA□□□T, H□ T□	□ower	□□□, □.□□□, □□□
□ □□	T□M MA□□□ □ C□R□ □□A	□□□ □ R□ □□CRA□□ A□□	RCRA □on□en □□□R	Higher	□□□, □.□□□, □ est
□ □□	CHI□F □□□□ □I□□ C□	□□□ □ R□ □□CRA□□ A□□	RCRA□□□□, C□R□ HA□ □ A□T□, FI□□□, □CH□, □MI,...	Higher	□□□, □.□□□, □ est
□ □□	F□R□T□R □I□ C□M□A□□	□□□ □ R□ □□CRA□□ A□□	A□T	Higher	□□□, □.□□□, □ est
□□	□AR□□□□ FRA□□□I□	□□□□□ □□UTH CAIRI□ A	RCRA □on□en □□□R	□ower	□□□□, □.□□□, □□□
I□□	U□IF□RM R□□TA□ □□R□I	□□□ □. □□□TH □T.	□□□IR□□T□R	Higher	□□□□, □.□□□, □□□
I□□	U□IF□RM R□□TA□ □□R□I	□□□ □□□TH	C□□□□IC, □A Co. □ite Mitigation, C□R□	Higher	□□□□, □.□□□, □□□
I□□	U□IF□RM R□□TA□ □□R□I	□□□ □A□T □□□TH □TR□□	HI□T U□T	Higher	□□□□, □.□□□, □□□
□□	AT□I□□□□ □IT II □R□	□□□□ □. C□□TRA□ A□□□	MI□□□	□ower	□□□□, □.□□□, □□□
□□□	THRIFT□ □I□ C□ □□□□	□□□ □ R□ □□CRA□□ A□□	C□R□ HA□ □ A□T□, C□R□ TA□□□, HA□□□T, C□R□, H□ T□	Higher	□□□□, □.□□□, □ est
□□□	T□□□R□ U□A □□□□□	□□□ □ R□ □□CRA□□ A□□	RCRA □on□en □□□R	Higher	□□□□, □.□□□, □ est
□□□	ARC□ □T□ □□□	□□□ □ R□ □□CRA□□	HI□T U□T	Higher	□□□□, □.□□□, □ est
□□□	CIRC□□ □ □□□□□□THRIF	□□□ R□ □□CRA□□	HI□T C□RT□□□	Higher	□□□□, □.□□□, □ est
□□□	THRIFT□ □I□ C□M□A□□	□□□ □A□T R□ □□CRA□□ A	RCRA □on□en □□□R	Higher	□□□□, □.□□□, □ est
□□□	CIRC□□ □ □□□□□□THRIF	□□□ R□ □□CRA□□ A□□ □	□U□T, Cortese, C□R□	Higher	□□□□, □.□□□, □ est
□□□	T□□□R□ □U□A□□□□□□	□□□ □ R□ □□CRA□□ A□□	U□T	Higher	□□□□, □.□□□, □ est
□□□	T□□C□ □.□. □□□□□	□□□□□ A□A□□ □ □□□□ □	□U□T, Cortese, HI□T C□RT□□□, C□R□	Higher	□□□□, □.□□□, □ est
□□□	□ □ M □□RCI□I□□ □RI□	□□□□□ A□A□□ □	HI□T C□RT□□□	Higher	□□□□, □.□□□, □ □□
□□□	□ □ M □□RCI□I□□ □RI□	□□□□□ A□A□□ □ □□□□ □	□U□T, C□R□	Higher	□□□□, □.□□□, □ □□
□□□	□ □ M □R□CI□I□□ □RI□	□□□□□ □ A□A□□ □ □□□□	□U□T, □□ □□□□ U□T, HI□T U□T, RCRA □on□en □□□R,...	Higher	□□□□, □.□□□, □ □□
□□□	□A□□ M □□ATI□□ C□M□	□□□□□ □ A□A□□ □ □□□□	C□□□□IC, C□R□ HA□ □ A□T□, HI□T U□T, □□□□□, CI□ □□,...	Higher	□□□□, □.□□□, □ □□
□□□	□ □ M A□R□□□AC□ □□C	□□□□□ A□A□□ □ □□□□	□□□IR□□T□R, HI□T U□T, FI□□□, □CH□, □□□□□, □ □□,...	Higher	□□□□, □.□□□, □ □□
□□□	□□M □□ATI□□ C□	□□□□□ □ A□A□□ □ □□□□	□□M□□ARCHI□□, RCRA□□□□	Higher	□□□□, □.□□□, □ □□
□□□	R□T□□R□□□RT□, I□C.	□□□ □ R□ □□CRA□□ A□□	C□□□□IC, □MI, HA□□□T, C□R□, H□ T□	Higher	□□□□, □.□□□, □ est
M□□	□□□□□R□ M□TA□ R□FI□	□□□□□ □□UTH A□A□□ □ □	□□□IR□□T□R	□ower	□□□□, □.□□□, □□
M□□	CH□MTRA□□	□□□□□ □ A□A□□ □ □□□□	□□□IR□□T□R, □□ □ A□ □□□□□ C□. HM□, □ □□	□ower	□□□□, □.□□□, □□
M□□	C□M□□□T□ CHART□R □I□	□□□□□ A□A□□ □ □□□□ □	□U□T, Cortese, C□R□	□ower	□□□□, □.□□□, □ □□
M□□	C□M□□□T□ CHART□R □I□	□□□□□ A□A□□ □	HI□T C□RT□□□	□ower	□□□□, □.□□□, □ □□
□□	□ACIFIC □I□T□R□□ M□T	□□□□□ A□A□□ □ □□	□□□IR□□T□R	Higher	□□□□, □.□□□, □ □□

□□□□□□□.□s □age □

MA□□□□ □IT□□ □UMMAR□

Target □roperty Address□
□□□□ R□ □□CRA□ □
C□ M□T□ □, CA □□□□□

Click on Map I□ to see full detail.

MA□ I□	□IT□ □AM□	A□□R□□□	□ATA□A□□ ACR□ □□M□	R□□ATI□□ □□□□ATI□ □	□I□T □ft. □ mi.□ □IR□CTI□ □
□□□	F□RM□R AC□ M□□ICA□ C	□□□□□ □. A□A□□ □ □□U□	C□□□□□IC, C□R□	Higher	□□□□, □.□□□, □ est
□□□	AC□ M□□ICA□ C□ M□A□□	□□□□□ A□A□□ □ □□□□	□□IR□□T□R, □C□	Higher	□□□□, □.□□□, □ est
□□□	□AI□□A□ TRA□□IT □AR□	□□□□□ □ A□A□□ □ □□□□	Cortese, □□ □ A□ □□□□□ C□. HM□, C□R□	□ower	□□□□, □.□□□, □□
□□□	FIR□T □TU□□□T I□C □□	□□□□□ □ A□A□□ □ □□□□	□U□T, C□□□□IC, FI□□□, □CH□, C□R□	□ower	□□□□, □.□□□, □□
□□	□□□□AR□□ □□UI□M□□T R	□□□□□ C□□TRA□ A□□ □	□U□T, Cortese, HI□T C□RT□□□, C□R□	□ower	□□□□, □.□□□, □□□
□□□	□AR□□□A □I□ C□.	□□□□□ A□A□□ □	C□□□□IC, □MI, C□R□	□ower	□□□□, □.□□□, □□
□□	I□A□ HA□□□RI□	□□□□□ □□UTH A□A□□ □ □	□U□T, Cortese, C□R□	□ower	□□□□, □.□□□, □□
□□	MICR□□□TCH C□.	□□□ □. R□□□CRA□□	□□IR□□T□R	□ower	□□□□, □.□□□, □ est
□□□	C□ M□T□□ R□C□C□I□□ C□	□□□□ □ R□□□CRA□□ A□□	□□ RC□	□ower	□□□□, □.□□□, □ast
□□	AT□I□□ □RIC□ C□M□A□□	□□□□□ C□□TRA□ A□□ □	□U□T, Cortese, C□R□	□ower	□□□□, □.□□□, □orth
□□	FR□□MA□ □R□□UCT□	□□□□□ □ □A□ □□□R□ □T	□□IR□□T□R, RCRA □on□en □□□R, FI□□□, □CH□, □MI,...	□ower	□□□□, □.□□□, □ □□
□□□	□ARR□ □MITH C□□A□□R□	□□□□ □ R□□□CRA□□ A□	□□IR□□T□R, □R□C□□A□□R□, □MI	□ower	□□□□, □.□□□, □ast
□□□	□□ACH □I□ C□, I□C	□□□ □ C□M□T□□ □□□□	C□RRACT□, HI□T U□T, U□ FI□ A□□UR, Financial...	□ower	□□□□, □.□□□, □□□
□□□	□□ACH □I□ C□M□A□□ I□	□□□ □ C□M□T□□ □□□□	□□IR□□T□R, H□ □, C□R□	□ower	□□□□, □.□□□, □□□
□□□	□□ACH □I□ C□ I□C	□□□ □A□T C□M□T□□ □□□	C□□□□IC, □MI, C□R□	□ower	□□□□, □.□□□, □□□
□□□	C□ □UM□IA MA□UFACTURI	□□□□□ □A□ □□□R□	HI□T C□RT□□□	□ower	□□□□, □.□□□, □ est
□□□	□□□CTRUM □A□□RAT□R□	□□□□□ □□UTH □A□ □□□R	RCRA□□□, □□□IR□□T□R, HI□T U□T, FTT□, HI□T FTT□,...	□ower	□□□□, □.□□□, □ □□
□□	□□THA□□ C□MMU□IT□ CH	□□□□□ □. □A□ □□□R□ □	□□IR□□T□R	□ower	□□□□, □.□□□, □ □□
□□□	C□ □UM□IA MA□UFACTURI	□□□□□ □A□ □□□R□ □T □	□U□T, Cortese, C□R□	□ower	□□□□, □.□□□, □ est
□□□	M□UR□□ □AUR□□□ □I□ C	□□□ □□□□ □A□T C□M□T	C□□□□IC, C□R□	□ower	□□□□, □.□□□, □□□
□□□	M□UR□□□□AUR□□□ □I□ C	□□□ □. C□M□T□□ □□□□.	□otify □□	□ower	□□□□, □.□□□, □□□
R□□□	□I□I□□ FR□I□HT □□□T□	□□□□□ □A□ □□□R□	HI□T C□RT□□□	□ower	□□□□, □.□□□, □ □□
R□□□	□I□I□□ FR□I□HT □□□T□	□□□□□ □A□ □□□R□ □T □	□U□T, Cortese, C□R□	□ower	□□□□, □.□□□, □ □□
□□□	AT□I□□□□ □RIC□ C□M□A	□□□□□ □□UTH C□□TRA□	□□ F□□F, □ MU□□□□□ AT, HI□T C□RT□□□, CI□ □□, C□R□	□ower	□□□□, □.□□□, □□
□□□□	C□□TRA□ AIR□□RT		□□IR□□T□R	□ower	□□□□, □.□□□, □□
□□□□	C□□TRA□ AIR□□RT		FU□□	□ower	□□□□, □.□□□, □□
T□□□	□□R□□, □□C.	□□□□□ □. MA□□□ A□□.	□□IR□□T□R	□ower	□□□□, □.□□□, □ □□
□□□	R□□ □R□CI□I□□ □R□□UC	□□□□□ MA□□□ A□□	□□IR□□T□R, HI□T U□T, □MI, □A Co. □ite Mitigation,...	□ower	□□□□, □.□□□, □ □□
T□□□	CA□IF□R□IA RA□CH□ □AR	□□□□□ □. MAI□ □TR□□T	□□IR□□T□R	□ower	□□□□, □.□□□, □ □□
□□□	A□C□A C□M□□□IT□	□□□□□ MAI□	□□IR□□T□R, C□□□□IC, HI□T C□RT□□□	Higher	□□□□, □.□□□, □□

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page of the attached R Radius Map report

ite	ata ase s	A I
M I C R CRA A C M T , CA	A C. HM Facility I	A
TR MA R CRA A C M T , CA	U T ata ase U T, ate of overnment ersion Facility Id A C. HM Facility I	A
CA IF TAR T R CRA C M T , CA	HA T AI CAC H T	A
M R IC TATI R CRA A C M T , CA	U T tatus A Tank tatus A Comp um er A C. HM Facility I	A
M I C R CRA A C M T , CA	I tatus IT A M T ite Id T	A
 R CRA C M T , CA	HI T U T Facility Id	A
TAR T T R RI R CRA C M T , CA	HA T AI CA H T	A
I MA H R RT M R CRA A C M T , CA	R Hist Auto	A
M R CRA C M T , CA	HA T	A

EXECUTIVE SUMMARY

AI CAC

H T

M I C
R A U T A
R CRA A .
C M T , CA

M I C
R A U T A
R CRA A
C M T , CA

DATABASES WITH NO MAPPED SITES

o mapped sites were found in R's search of availa le reasona ly ascertaina le government records either on the target property or within the search radius around the target property for the following data ases

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

ational riority ist
roposed ational riority ist ites
Federal uperfund iens

Federal Delisted NPL site list

elisted ational riority ist eletions

Federal CERCLIS list

RA FACI IT Federal Facility ite Information listing
M uperfund nterprise Management ystem

Federal RCRA non-CORRACTS TSD facilities list

RCRA T F RCRA Treatment, torage and isposal

Federal RCRA generators list

RCRA RCRA ery mall uantity enerators Formerly Conditionally empt mall uantity enerators

Federal institutional controls / engineering controls registries

UCI and Use Control Information ystem

EXECUTIVE SUMMARY

U□ □□□ C□□TR□□□-------- □ngineering Controls □ites □ist
U□ I□□T C□□TR□□□-------- Institutional Controls □ites □ist

Federal ERNS list

□R□□---------- □mergency Response □otification □ystem

State- and tribal - equivalent NPL

R□□□□□□□□---------- □tate Response □ites

State and tribal leaking storage tank lists

I□□IA□ □U□T---------- □eaking Underground □torage Tanks on Indian □and

State and tribal registered storage tank lists

F□MA U□T---------- Underground □torage Tank □isting
I□□IA□ U□T---------- Underground □torage Tanks on Indian □and

State and tribal voluntary cleanup sites

I□□IA□ □C□---------- □oluntary Cleanup □riority □isting

State and tribal Brownfields sites

□R□ □FI□□□□---------- Considered □rownfieds □ites □isting

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

HAU□□R□---------- Registered □ aste Tire Haulers □isting
I□□IA□ □□I---------- Report on the □tatus of □ pen □umps on Indian □ands
□□□RI□ R□□I□□ □---------- Torres Martine□ Reservation Illegal □ump □ite □ocations
□□I---------- □ pen □ump Inventory
IH□ □□□□ □UM□□---------- □ pen □umps on Indian □and

Local Lists of Hazardous waste / Contaminated Sites

A□ C□□C□R□---------- □ey Areas of Concerns in □os Angeles County
U□ HI□T C□□---------- □elisted □ational Clandestine □a□oratory Register
HI□T Cal□□ites---------- Historical Calsites □ata□ase
□CH---------- □chool □roperty □valuation □rogram
C□□---------- Clandestine □rug □a□s
To□ic □its---------- To□ic □its Cleanup Act □ites
U□ C□□---------- □ational Clandestine □a□oratory Register
□FA□---------- □FA□ Contamination □ite □ocation □isting

Local Lists of Registered Storage Tanks

CA FI□ U□T---------- Facility Inventory □ata□ase

Local Land Records

□I□□---------- □nvironmental □iens □isting

EXECUTIVE SUMMARY

□I□□□ □ ---------- C□RC□A □ien Information
□□□□ ---------- □eed Restriction □isting

Records of Emergency Release Reports

HMIR□ ---------- Ha□ardous Materials Information Reporting □ystem
CHMIR□ ---------- California Ha□ardous Material Incident Report □ystem
□□□ ---------- □and □isposal □ites □isting
MC□ ---------- Military Cleanup □ites □isting

Other Ascertainable Records

□□□ ---------- □epartment of □efense □ites
□CR□ □R□C□□A□□R□ ---------- □tate Coalition for Remediation of □rycleaners □isting
U□ FI□ A□□UR ---------- Financial Assurance Information
□□A □ ATCH □I□T ---------- □□A □ ATCH □I□T
□□□□ C□ R ACTI□ □ ---------- □□□□ Corrective Action □rogram □ist
T□CA ---------- To□ic □u□stances Control Act
TRI□ ---------- To□ic Chemical Release Inventory □ystem
□□T□ ---------- □ection □ Tracking □ystems
R□ □ ---------- Records □f □ecision
RM□ ---------- Risk Management □lans
RAAT□ ---------- RCRA Administrative Action Tracking □ystem
□R□ ---------- □otentially Responsi□le □arties
□A□□ ---------- □C□ Activity □ata□ase □ystem
ICI□ ---------- Integrated Compliance Information □ystem
FTT□ ---------- FIFRA□T□CA Tracking □ystem □FIFRA □Federal Insecticide, Fungicide, □ Rodenticide Act□□T□CA □To□ic □u□stances Control Act□
M□T□ ---------- Material □icensing Tracking □ystem
C□ A□ A□H □□□ ---------- □team□□lectric □lant □peration □ata
C□ A□ A□H □□A ---------- Coal Com□ustion Residues □urface Impoundments □ist
□C□ TRA□□F□RM□R ---------- □C□ Transformer Registration □ata□ase
RA□I□F□ ---------- Radiation Information □ata□ase
HI□T FTT□ ---------- FIFRA□T□CA Tracking □ystem Administrative Case □isting
□□T □□□ ---------- Incident and Accident □ata
C□□□□□T ---------- □uperfund □C□RC□A□Consent □ecrees
I□□IA□ R□□□R□ ---------- Indian Reservations
FU□RA□ ---------- Formerly Utili□ed □ites Remedial Action □rogram
UMTRA ---------- Uranium Mill Tailings □ites
□□A□ □M□□T□R□ ---------- □ead □melter □ites
U□ AIR□ ---------- Aerometric Information Retrieval □ystem Facility □u□system
U□ MI□□□ ---------- Mines Master Inde□ File
A□A□□□□□□ MI□□□ ---------- A□andoned Mines
FI□□□ ---------- Facility Inde□ □ystem□Facility Registry □ystem
U□□ ---------- Une□ploded □rdnance □ites
□CH□ ---------- □nforcement □ Compliance History Information
□□C□□T H□ C ---------- Ha□ardous □ aste Compliance □ocket □isting
FU□□□ □R□ □RAM ---------- □□A Fuels □rogram Registered □isting
CA □□□□ □□□. □□A□ ---------- □ond □□penditure □lan
CU□A □istings ---------- CU□A Resources □ist
□MI ---------- □missions Inventory □ata
□□F ---------- □nforcement Action □isting
Financial Assurance ---------- Financial Assurance Information □isting
IC□ ---------- IC□
H□ T ---------- Registered Ha□ardous □ aste Transporter □ata□ase

EXECUTIVE SUMMARY

M[M[	Medical [aste Management [rogram [isting
[[[[[	[[[[[[ermits [isting
[[[T [IC	[esticide Regulation [icenses [isting
[R[C	Certified [rocessors [ata[ase
[A Co. [ite Mitigation	[ite Mitigation [ist
UIC	UIC [isting
UIC [[[	UIC [[[[[[[TRAC[[R[
[A[T[[AT[R [IT[	[il [astewater [its [isting
[[[	[aste [ischarge [ystem
[I[	[ell Investigation [rogram Case [ist
MI[ITAR[[RI[[IT[[	MI[ITAR[[RI[[IT[[[[[[TRAC[[R[
[R[[[CT	[R[[[CT [[[[TRAC[[R[
[[R	[aste [ischarge Re[uirements [isting
CI[[[	California Integrated [ater [uality [ystem
C[R[	C[R[
[[[[CA[[I[F[	[[[[CA[[I[F[[[[[TRAC[[R[
[TH[R [I[[A[	[TH[R [I[[A[[[[[TRAC[[R[
[R[[AT[R [[[[[	[R[[AT[R [[[[[[[[[TRAC[[R[
[AM[[I[[[I[T	[AM[[I[[[I[T [[[[TRAC[[R[
[[[[[TIM [R[[	[ell [timulation [ro[ect [[[[TRAC[[R[
[[[A[[[[[[C[[F M[THA[	Methane [roducing [andfills
MI[[[MR[[	Mineral Resources [ata [ystem

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

[[R M[[	[[R [roprietary Manufactured [as [lants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

R[A [F	Recovered [overnment Archive [olid [aste Facilities [ist

SURROUNDING SITES: SEARCH RESULTS

[urrounding sites were identified in the following data[ases.

[levations have [een determined from the U[[[[igital [levation Model and should [e evaluated on a relative [not an a[solute[[asis. Relative elevation information [etween sites of close pro[imity should [e field verified. [ites with an elevation e[ual to or higher than the target property have [een differentiated [elow from sites with an elevation lower than the target property.
[age num[ers and map identification num[ers refer to the [[R Radius Map report where detailed data on individual sites can [e reviewed.

[ites listed in ***bold italics*** are in multiple data[ases.

Unmappa[le [orphan[sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

□□M□ARCHI□□□□M□ARCHI□□ □□uperfund □nterprise Management □ystem Archive□tracks sites that have no further interest under the Federal □uperfund □rogram □ased on availa□le information. The list was formerly known as the C□RC□I□□FRA□, renamed to □□M□ ARCHI□□ □y the □□A in □□□□. □□A may perform a minimal level of assessment work at a site while it is archived if site conditions change and□or new information □ecomes availa□le. Archived sites have □een removed and archived from the inventory of □□M□ sites. Archived status indicates that, to the □est of □□A's knowledge, assessment at a site has □een completed and that □□A has determined no further steps will □e taken to list the site on the □ational □riorities □ist □□□□, unless information indicates this decision was not appropriate or other considerations re□uire a recommendation for listing at a later time. The decision does not necessarily mean that there is no ha□ard associated with a given site□it only means that. □ased upon availa□le information, the location is not □udged to □e potential □□□ site.

A review of the □□M□□ARCHI□□ list, as provided □y □□R, and dated □□□□□□□□□□ has revealed that there is □ □□M□□ARCHI□□ site within appro□imately □.□ miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
V&M PLATING CO	***14024 S AVALON BLVD***	***WNW 1/4 - 1/2 (0.268 mi.)***	***L72***	***309***
□ite I□ □□□□□□□□□				
□□A Id□CA□ □□□□□□□□□□				

Federal RCRA CORRACTS facilities list

C□RRACT□□C□RRACT□ is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally□defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the C□RRACT□ list, as provided □y □□R, and dated □□□□□□□□□□ has revealed that there is □ C□RRACT□ site within appro□imately □ mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LEACH OIL CO, INC	***625 E COMPTON BLVD***	***SSW 1/4 - 1/2 (0.440 mi.)***	***P91***	***364***

Federal RCRA generators list

RCRA□□□ □□RCRAInfo is □□A's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act □RCRA□of □□□□ and the Ha□ardous and □olid □aste Amendments □H□□ A□ of □□□□. The data□ase includes selective information on sites which generate, transport, store, treat and□or dispose of ha□ardous waste as defined □y the Resource Conservation and Recovery Act □RCRA□. □arge □uantity generators □□□ □s□generate over □,□□□ kilograms □kg□of ha□ardous waste, or over □ kg of acutely ha□ardous waste per month.

A review of the RCRA□□□ □ list, as provided □y □□R, and dated □□□□□□□□□□ has revealed that there is □ RCRA□□□ □ site within appro□imately □.□□ miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
U IT AR RIC A I CAR	MC I A	mi.		

RCRA RCRAInfo is A's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act RCRA of and the Ha ardous and olid aste Amendments H A of . The data ase includes selective information on sites which generate, transport, store, treat and or dispose of ha ardous waste as defined y the Resource Conservation and Recovery Act RCRA. mall uantity generators s generate etween kg and , kg of ha ardous waste per month.

A review of the RCRA list, as provided y R, and dated has revealed that there are RCRA sites within appro imately . miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CONTEMPO METAL FURNI A I CA	***777 E ROSECRANS AVE***	***WNW 0 - 1/8 (0.064 mi.)***	***B20***	***51***
TEXTRON COATING INC A I CAR	***1123 N STANFORD***	***WNW 0 - 1/8 (0.102 mi.)***	***B28***	***79***
CHIEF NEON SIGN CO A I CA	***707 E ROSECRANS AVE***	***W 1/8 - 1/4 (0.184 mi.)***	***G52***	***235***

Lower Elevation	Address	Direction / Distance	Map ID	Page
C C A TIC AC A A I CA	R CRA A	mi.	F	
MILLERS CLEANERS A I CA	***2339 W ROSECRANS***	***ENE 1/8 - 1/4 (0.181 mi.)***	***H50***	***190***

State- and tribal - equivalent CERCLIS

IR T R The epartment of To ic u stances Control's T C's ite Mitigation and rownfields Reuse rogram's M R 's nviro tor data ase identifes sites that have known contamination or sites for which there may e reasons to investigate further. The data ase includes the following site types Federal uperfund sites ational riorities ist tate Response, including Military Facilities and tate uperfund oluntary Cleanup and chool sites. nviro tor provides similar information to the information that was availa le in Cal ites, and provides additional site information, including, ut not limited to, identification of formerly contaminated properties that have een released for reuse, properties where environmental deed restrictions have een recorded to prevent inappropriate land uses, and risk characteri ation information that is used to assess potential impacts to pu lic health and the environment at contaminated sites.

A review of the IR T R list, as provided y R, and dated has revealed that there are IR T R sites within appro imately mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
U IF RM R TA R I Facility Id tatus Refer ocal Agency	. TH T.	mi.	I	
V & M AEROSPACE LLC	***14024 AVALON BLVD***	***WNW 1/4 - 1/2 (0.268 mi.)***	***L71***	***300***

Facility Id□□□□□□□□□□
□tatus□Inactive □Action Re□uired

□ACIFIC □I□T□R□□ M□T — □□□□□□ A□A□□ □ □□ — □ □□ □□□ □□□□ □□.□□□ mi.□ — □□ — □□□□
Facility Id□□□□□□□□□□
□tatus□□o Action Re□uired

ACE MEDICAL COMPANY — ***14131 AVALON BLVD*** — ***W 1/4 - 1/2 (0.308 mi.)*** — ***K80*** — ***330***
Facility Id□□□□□□□□□□
□tatus□□o Further Action

ALCOA COMPOSITE — ***13344 MAIN*** — ***NW 1/2 - 1 (0.896 mi.)*** — ***108*** — ***411***
Facility Id□□□□□□□□□□
Facility Id□□□□□□□□□□
□tatus□Refer□□ther Agency
□tatus□Refer□R□ □C□

Lower Elevation	Address	Direction / Distance	Map ID	Page
□□□□□R□ M□TA□ R□FI□	□□□□□ □□UTH A□A□□ □ □	□□ □□□ □□□□ □□.□□□ mi.□	M□□	□□□
Facility Id□□□□□□□□□□				
□tatus□□o Action Re□uired				
CHEMTRANS	***14700 S AVALON BLVD***	***SW 1/4 - 1/2 (0.293 mi.)***	***M75***	***322***
Facility Id□□□□□□□□□□				
□tatus□Refer□□ther Agency				
MICR□ □□TCH C□.	□□□ □. R□ □□CRA□□	□ □□□ □□□□ □□.□□□ mi.□	□□	□□□
Facility Id□□□□□□□□□□				
□tatus□Refer□□ther Agency				
FREEMAN PRODUCTS	***14700 S SAN PEDRO ST***	***WSW 1/4 - 1/2 (0.415 mi.)***	***89***	***351***
Facility Id□□□□□□□□□□				
□tatus□Refer□□ther Agency				
LARRY SMITH CLEANERS	***1904 W ROSECRANS AV***	***E 1/4 - 1/2 (0.437 mi.)***	***O90***	***362***
Facility Id□□□□□□□□□□				
□tatus□Refer□□□□□ □ocal Agency				
LEACH OIL COMPANY IN	***625 E COMPTON BLVD***	***SSW 1/4 - 1/2 (0.440 mi.)***	***P92***	***366***
Facility Id□□□□□□□□□□				
□tatus□Refer□R□ □C□				
SPECTRUM LABORATORY	***14422 SOUTH SAN PEDR***	***WSW 1/4 - 1/2 (0.451 mi.)***	***Q95***	***372***
Facility Id□□□□□□□□□□				
□tatus□Active				
□□THA□□ C□MMU□IT□ CH	□□□□□ □. □A□ □□□R□ □	□ □□ □□□ □□□□ □□.□□□ mi.□	□□	□□□
Facility Id□□□□□□□□□□				
□tatus□Refer□□□□□ □ocal Agency				
C□□TRA□ AIR□□RT		□□ □□□ □□ □□.□□□ mi.□	□□□□	□□□
Facility Id□□□□□□□□□□				
□tatus□Inactive □□eeds □valuation				
□□R□□, □□C.	□□□□□ □. MA□□□ A□□.	□ □□ □□□ □□ □□.□□□ mi.□	T□□□	□□□
Facility Id□□□□□□□□□□				
□tatus□Refer□□□□□ □ocal Agency				
REX PRECISION PRODUC	***14831 MAPLE AVE***	***WSW 1/2 - 1 (0.732 mi.)***	***106***	***403***
Facility Id□□□□□□□□□□				
Facility Id□□□□□□□□□□				
□tatus□Refer□□ther Agency				

□tatus□Refer□□□□□ □ocal Agency

CA□IF□ R□IA RA□CH□ □AR □□□□□ □. MAI□ □TR□□T □ □□ □□□ □□ □□.□□□ mi.□ T□□□ □□□
Facility Id□□□□□□□□□
□tatus□Refer□□□□□ □ocal Agency

State and tribal landfill and/or solid waste disposal site lists

□□ F□□F□The □olid □aste Facilities□□andfill □ites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated □aste Management □oard's □olid □aste Information □ystem □□□ I□□data□ase.

A review of the □□ F□□F list, as provided □y □□R, has revealed that there are □ □□ F□□F sites within appro□imately □.□ miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BROWN-FERRIS IND (BF	***2509 WEST ROSECRANS***	***NNE 0 - 1/8 (0.093 mi.)***	***C26***	***74***
□ata□ase□□□ F□□F □□□ I□□, □ate of □overnment □ersion□□□□□□□□□□				
□ata□ase□□□ □ A□□ □□□□ C□. □F, □ate of □overnment □ersion□□□□□□□□□□				
Facility I□ □□□□AA□□□□□				
□ite I□ □□□□□				
□tatus□Active				
□perational □tatus□Active				
Regulation □tatus□□ermitted				

Lower Elevation	Address	Direction / Distance	Map ID	Page
ATKINSON BRICK COMPA	***13633 SOUTH CENTRAL***	***NE 1/4 - 1/2 (0.497 mi.)***	***102***	***397***
□ata□ase□□□ □ A□□ □□□□ C□. □F, □ate of □overnment □ersion□□□□□□□□□□				
□ite I□ □□□□□				
□tatus□Closed				

State and tribal leaking storage tank lists

□U□T□□eaking Underground □torage Tank □□U□T□□ites included in □eoTracker. □eoTracker is the □ater □oards data management system for sites that impact, or have the potential to impact, water □uality in California, with emphasis on groundwater.

A review of the □U□T list, as provided □y □□R, has revealed that there are □□ □U□T sites within appro□imately □.□ miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BROWN-FERRIS IND (BF	***2509 WEST ROSECRANS***	***NNE 0 - 1/8 (0.093 mi.)***	***C26***	***74***
□ata□ase□□U□T, □ate of □overnment □ersion□□□□□□□□□□				
□lo□al Id□T□□□□□□□□□□□				
□tatus□Completed □Case Closed				
CALIFORNIA FRAMES, I	***13945 MCKINLEY AVE***	***NNW 1/8 - 1/4 (0.154 mi.)***	***E34***	***96***
□ata□ase□□U□T R□□ □, □ate of □overnment □ersion□□□□□□□□□□				
□ata□ase□□U□T, □ate of □overnment □ersion□□□□□□□□□□				

□lo□al Id□T□□□□□□□□□□□
□lo□al I□□T□□□□□□□□□□□
□tatus□Completed □Case Closed
Facility Id□□□□□□□□□□
□tatus□□eak □eing confirmed

TRENCH SHORING ***636 ROSECRANS AVE. E*** ***W 1/8 - 1/4 (0.168 mi.)*** ***G41*** ***106***
□ata□ase□□U□T, □ate of □overnment □ersion□□□□□□□□□□□
□lo□al Id□T□□□□□□□□□□□
□lo□al Id□T□□□□□□□□□□□□
□tatus□Completed □Case Closed

CIRCLE K #7889/THRIF ***600 ROSECRANS AVE E*** ***W 1/8 - 1/4 (0.234 mi.)*** ***J64*** ***265***
□ata□ase□□U□T R□□ □, □ate of □overnment □ersion□□□□□□□□□□□
□ata□ase□□U□T, □ate of □overnment □ersion□□□□□□□□□□□
□lo□al Id□T□□□□□□□□□□□
□lo□al I□□T□□□□□□□□□□□
□tatus□Completed □Case Closed
Facility Id□R□□□□□□□
□tatus□□ollution Characteri□ation

TOSCO S.S. #3327 ***14216 AVALON BLVD S*** ***W 1/4 - 1/2 (0.255 mi.)*** ***K66*** ***272***
□ata□ase□□U□T R□□ □, □ate of □overnment □ersion□□□□□□□□□□□
□ata□ase□□U□T, □ate of □overnment □ersion□□□□□□□□□□□
□lo□al Id□T□□□□□□□□□□□
□lo□al I□□T□□□□□□□□□□□
□tatus□Completed □Case Closed
Facility Id□R□□□□□□□
□tatus□□eak □eing confirmed

V & M PERCISION GRIN ***14032 AVALON BLVD S*** ***WNW 1/4 - 1/2 (0.262 mi.)*** ***K68*** ***276***
□ata□ase□□U□T, □ate of □overnment □ersion□□□□□□□□□□□
□lo□al Id□T□□□□□□□□□□□
□tatus□Completed □Case Closed

V & M PRECISION GRIN ***14032 S AVALON BLVD*** ***WNW 1/4 - 1/2 (0.262 mi.)*** ***K69*** ***278***
□ata□ase□□U□T R□□ □, □ate of □overnment □ersion□□□□□□□□□□□
□lo□al I□□T□□□□□□□□□□□
Facility Id□I□□□□□□□
□tatus□Case Closed

Lower Elevation **Address** **Direction / Distance** **Map ID** **Page**

COMPLETE CHARTER LIN ***14531 AVALON BLVD S*** ***WSW 1/4 - 1/2 (0.296 mi.)*** ***M76*** ***324***
□ata□ase□□U□T R□□ □, □ate of □overnment □ersion□□□□□□□□□□□
□ata□ase□□U□T, □ate of □overnment □ersion□□□□□□□□□□□
□lo□al Id□T□□□□□□□□□□□
□lo□al I□□T□□□□□□□□□□□
□tatus□Completed □Case Closed
Facility Id□I□□□□□□□
□tatus□Case Closed

FIRST STUDENT INC 12 ***14800 S AVALON BLVD*** ***SW 1/4 - 1/2 (0.330 mi.)*** ***N82*** ***334***
□ata□ase□□U□T, □ate of □overnment □ersion□□□□□□□□□□□
□lo□al Id□T□□□□□□□□□□□□
□tatus□Completed □Case Closed

DONGAREY EQUIPMENT R ***14011 CENTRAL AVE N*** ***ENE 1/4 - 1/2 (0.334 mi.)*** ***83*** ***339***
□ata□ase□□U□T R□□ □, □ate of □overnment □ersion□□□□□□□□□□□
□ata□ase□□U□T, □ate of □overnment □ersion□□□□□□□□□□□

lo al Id T
lo al I T
tatus Completed Case Closed
Facility Id I
tatus Case Closed

IVAN HALPERIN ***14900 SOUTH AVALON B*** ***SW 1/4 - 1/2 (0.371 mi.)*** ***85*** ***344***
ata ase U T, ate of overnment ersion
lo al Id T
tatus Completed Case Closed

ATKINS BRICK COMPANY ***13633 CENTRAL AVE N*** ***N 1/4 - 1/2 (0.415 mi.)*** ***88*** ***348***
ata ase U T R , ate of overnment ersion
ata ase U T, ate of overnment ersion
lo al Id T
lo al I T
tatus Completed Case Closed
Facility Id R
tatus Case Closed

COLUMBIA MANUFACTURI ***14400 SAN PEDRO ST S*** ***W 1/4 - 1/2 (0.453 mi.)*** ***Q97*** ***388***
ata ase U T R , ate of overnment ersion
ata ase U T, ate of overnment ersion
lo al Id T
lo al I T
tatus Completed Case Closed
Facility Id I
tatus Case Closed

VIKING FREIGHT SYSTE ***14719 SAN PEDRO ST S*** ***WSW 1/4 - 1/2 (0.485 mi.)*** ***R101*** ***393***
ata ase U T R , ate of overnment ersion
ata ase U T, ate of overnment ersion
lo al Id T
lo al I T
tatus Completed Case Closed
Facility Id R
tatus eak eing confirmed

C IC Cleanup rogram ites C also known as ite Cleanups C and formerly known as pills, eaks, Investigations, and Cleanups IC sites included in eoTracker. eoTracker is the ater oards data management system for sites that impact, or have the potential to impact, water uality in California, with emphasis on groundwater.

A review of the C IC list, as provided y R, has revealed that there are C IC sites within appro imately . miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNIFORM RENTAL SERVI	***730 139TH***	***NNW 1/8 - 1/4 (0.217 mi.)***	***I56***	***249***
ata ase IC R , ate of overnment ersion				
ata ase C IC, ate of overnment ersion				
Facility tatus pen Assessment Interim Remedial Action				
lo al Id				
Facility tatus ite Assessment				
V AND M PLATING COMP	***14024 S AVALON BLVD***	***WNW 1/4 - 1/2 (0.268 mi.)***	***L70***	***283***
ata ase C IC, ate of overnment ersion				

Facility □tatus□□ pen □□ite Assessment
□lo□al Id□T□□□□□□□□□□□□

ROTO-PROPERTY, INC.	***540 E ROSECRANS AVE***	***W 1/4 - 1/2 (0.270 mi.)***	***J73***	***318***

□ata□ase□□□IC R□□ □, □ate of □overnment □ersion□□□□□□□□□□
□ata□ase□C□□□□□IC, □ate of □overnment □ersion□□□□□□□□□□
Facility □tatus□□ pen □Remediation
□lo□al Id□□ □□□□□U□□□□
Facility □tatus□Remediation

FORMER ACE MEDICAL C	***14131 S. AVALON BOUL***	***W 1/4 - 1/2 (0.308 mi.)***	***K79***	***329***

□ata□ase□C□□□□□IC, □ate of □overnment □ersion□□□□□□□□□□
Facility □tatus□□ pen □□ite Assessment
□lo□al Id□T□□□□□□□□□□□□

Lower Elevation	Address	Direction / Distance	Map ID	Page
FIRST STUDENT INC 12	***14800 S AVALON BLVD***	***SW 1/4 - 1/2 (0.330 mi.)***	***N82***	***334***

□ata□ase□C□□□□□IC, □ate of □overnment □ersion□□□□□□□□□□
Facility □tatus□Completed □Case Closed
□lo□al Id□□□T□□□□□□□

GARDENA OIL CO.	***14800 AVALON***	***SW 1/4 - 1/2 (0.340 mi.)***	***N84***	***343***

□ata□ase□□□IC R□□ □, □ate of □overnment □ersion□□□□□□□□□□
Facility □tatus□□o further action re□uired

LEACH OIL CO INC	***625 EAST COMPTON BLV***	***SSW 1/4 - 1/2 (0.440 mi.)***	***P93***	***370***

□ata□ase□C□□□□□IC, □ate of □overnment □ersion□□□□□□□□□□
Facility □tatus□□ pen □Inactive
□lo□al Id□T□□□□□□□□□□□□

MOUREN LAURENS OIL C	***641 - 719 EAST COMPT***	***SSW 1/4 - 1/2 (0.457 mi.)***	***P98***	***391***

□ata□ase□C□□□□□IC, □ate of □overnment □ersion□□□□□□□□□□
Facility □tatus□□ pen □□ite Assessment
□lo□al Id□□ □□□□□□C□□□□

State and tribal registered storage tank lists

U□T□The Underground □torage Tank data□ase contains registered U□Ts. U□Ts are regulated under □u□title I of the Resource Conservation and Recovery Act □RCRA□. The data come from the □tate □ ater Resources Control □oard's Ha□ardous □u□stance □torage Container □ata□ase.

A review of the U□T list, as provided □y □□R, has revealed that there are □ U□T sites within appro□imately □.□□ miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
□R□□ □I□□□F□RRI□ I□□	□□□□ □ R□ □□CRA□□ A□□	□□□ □ □□□□ □□.□□□ mi.□	C□□	□□

□ata□ase□U□T, □ate of □overnment □ersion□□□□□□□□□□
Facility Id□□□□□□
Facility Id□□ACoFA□□□□□□□

TR□□CH □H□RI□□ C□	□□□ □ R□ □□CRA□□ A□□	□ □□□ □□□□ □□.□□□ mi.□	□ □□	□□□

□ata□ase□U□T, □ate of □overnment □ersion□□□□□□□□□□
Facility Id□□□□□□
Facility Id□□ACoFA□□□□□□□

T□□□R□ □U□A□□□□□	□□□ □ R□ □□CRA□□ A□□	□ □□□ □□□□ □□.□□□ mi.□	□□□	□□□

□ata□ase□U□T, □ate of □overnment □ersion□□□□□□□□□□

Facility Id
Facility Id ACoFA

A T A listing of a oveground storage tank petroleum storage tank locations.

A review of the A T list, as provided y R, has revealed that there is A T site within appro imately . miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
F R T R I C M A	R CRA A	mi.		

ata ase A T, ate of overnment ersion

State and tribal voluntary cleanup sites

C Contains low threat level properties with either confirmed or unconfirmed releases and the pro ect proponents have re uest that T C oversee investigation and or cleanup activities and have agreed to provide coverage for T C's costs.

A review of the C list, as provided y R, and dated has revealed that there is C site within appro imately . miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ACE MEDICAL COMPANY	***14131 AVALON BLVD***	***W 1/4 - 1/2 (0.308 mi.)***	***K80***	***330***

tatus o Further Action
Facility Id

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

U R FI The A's listing of rownfields properties from the Cleanups in My Community program, which provides information on rownfields properties for which information is reported ack to A, as well as areas served y rownfields grant programs.

A review of the U R FI list, as provided y R, and dated has revealed that there is U R FI site within appro imately . miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RTH MC I	RTH MC I	mi.		

ACR property I
Cleanup Completion ate

Local Lists of Landfill / Solid Waste Disposal Sites

□ MU□□/]□ AT: The □ aste Management Unit □ata□ase □ystem is used for program tracking and inventory of waste management units. The source is the □tate □ ater Resources Control □oard.

A review of the □ MU□□/]□ AT list, as provided □y ED R, and dated 04/01/2000 has revealed that there is 1 □ MU□□/]□ AT site within appro□imately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ATKINSON BRICK COMPA	*13633 SOUTH CENTRAL*	*NE 1/4 - 1/2 (0.497 mi.)*	*102*	*397*

SW RCY: A listing of recycling facilities in California.

A review of the SW RCY list, as provided □y ED R, and dated 03/09/2020 has revealed that there is 1 SW RCY site within appro□imately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
C□ M□T□□ R□C□C□I□□ C□ Cert Id: RC13308	1900 W R□□□CRA□□ AVE	E 1/4 - 1/2 (0.406 mi.)	O87	347

Local Lists of Hazardous waste / Contaminated Sites

C□R□ HA□ W ASTE: □ist of sites in the California □nvironmental □rotection Agency □Cal□□A) Regulated □ite □ortal which fall under the Ha□ardous Chemical Management, Ha□ardous □ aste □nsite Treatment, Household Ha□ardous □ aste Collection, Ha□ardous □ aste □enerator, and RCRA LQ H□ □enerator programs.

A review of the C□R□ HA□ W ASTE list, as provided □y ED R, and dated 04/20/2020 has revealed that there are 7 C□R□ HA□ W ASTE sites within appro□imately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AERO PRODUCTS CO	*815 E ROSECRANS AVE*	*NW 0 - 1/8 (0.057 mi.)*	*B14*	*20*
UNITED PARCEL SERVIC	*1430 N MCKINLEY AVE*	*NNW 0 - 1/8 (0.057 mi.)*	*B16*	*27*
COMPTON TRANSFER STA	*2509 W ROSECRANS AVE*	*NNE 0 - 1/8 (0.093 mi.)*	*C23*	*55*
A & M FASTENER SERVI	*1135 N MCKINLEY AVE*	*NNW 1/8 - 1/4 (0.126 mi.)*	*E32*	*85*
CHIEF NEON SIGN CO	*707 E ROSECRANS AVE*	*W 1/8 - 1/4 (0.184 mi.)*	*G52*	*235*
THRIFTY OIL CO #130	*600 E ROSECRANS AVE*	*W 1/8 - 1/4 (0.234 mi.)*	*J59*	*252*

Lower Elevation	Address	Direction / Distance	Map ID	Page
MILLER'S CLEANERS	*2339 W ROSECRANS AVE*	*ENE 1/8 - 1/4 (0.181 mi.)*	*H48*	*184*

Local Lists of Registered Storage Tanks

SWEEPS U□T: □tatewide □nvironmental □valuation and □lanning □ystem. This underground storage tank listing was updated and maintained □y a company contacted □y the SW RCB 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 U□T list, as provided □y ED R, and dated 06/01/1994 has revealed that there is

[illegible] U[illegible]T site within approximately [illegible] miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST ROSECRANS AVE	***2501 W ROSECRANS AVE***	***NE 1/8 - 1/4 (0.165 mi.)***	***F35***	***99***
[illegible]tatus[illegible]A				
Comp [illegible]um[illegible]er[illegible]				

HI[illegible]T U[illegible]T[illegible]Historical U[illegible]T Registered [illegible]ata[illegible]ase.

A review of the HI[illegible]T U[illegible]T list, as provided [illegible]y [illegible]R, and dated [illegible] has revealed that there are [illegible] HI[illegible]T U[illegible]T sites within approximately [illegible] miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
U[illegible]IF[illegible]RM R[illegible]TA[illegible][illegible]R[illegible]I Facility Id[illegible]	[illegible][illegible]A[illegible]T [illegible]TH [illegible]TR[illegible]	[illegible] [illegible] [illegible] mi.[illegible]	I[illegible]	[illegible]
ARC[illegible]T[illegible] [illegible] Facility Id[illegible]	[illegible][illegible] R[illegible][illegible]CRA[illegible]	[illegible] [illegible] [illegible] mi.[illegible]	[illegible]	[illegible]

Lower Elevation	Address	Direction / Distance	Map ID	Page
[illegible]T[illegible][illegible][illegible]A[illegible] Facility Id[illegible]	[illegible][illegible].R[illegible][illegible]CRA[illegible]	[illegible] [illegible] mi.[illegible]	[illegible]	[illegible]

C[illegible]R[illegible]TA[illegible][illegible]ist of sites in the California [illegible]nvironmental [illegible]rotection Agency [illegible]Cal[illegible]A[illegible]Regulated [illegible]ite [illegible]ortal which fall under the A[illegible]oveground [illegible]etroleum [illegible]torage and Underground [illegible]torage Tank regulatory programs.

A review of the C[illegible]R[illegible]TA[illegible] list, as provided [illegible]y [illegible]R, and dated [illegible] has revealed that there are [illegible] C[illegible]R[illegible]TA[illegible] sites within approximately [illegible] miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COMPTON TRANSFER STA	***2509 W ROSECRANS AVE***	***NNE 0 - 1/8 (0.093 mi.)***	***C23***	***55***
TRENCH SHORING COMPA	***636 E ROSECRANS AVE***	***W 1/8 - 1/4 (0.168 mi.)***	***G42***	***111***
THRIFTY OIL CO #130	***600 E ROSECRANS AVE***	***W 1/8 - 1/4 (0.234 mi.)***	***J59***	***252***

Other Ascertainable Records

RCRA [illegible]on[illegible]en [illegible]R[illegible]RCRAInfo is [illegible]A's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act [illegible]RCRA[illegible]of [illegible] and the Ha[illegible]ardous and [illegible]olid [illegible]aste Amendments [illegible]H[illegible] A[illegible] of [illegible]. The data[illegible]ase includes selective information on sites which generate, transport, store, treat and[illegible]or dispose of ha[illegible]ardous waste as defined [illegible]y the Resource Conservation and Recovery Act [illegible]RCRA[illegible] [illegible]on[illegible] enerators do not presently generate ha[illegible]ardous waste.

A review of the RCRA [illegible]on[illegible]en [illegible]R list, as provided [illegible]y [illegible]R, and dated [illegible] has revealed that there are [illegible] RCRA [illegible]on[illegible]en [illegible]R sites within approximately [illegible] miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
A[illegible]R[illegible]R[illegible]UCT[illegible] C[illegible] [illegible]A I[illegible]CA[illegible]	[illegible][illegible] R[illegible][illegible]CRA[illegible][illegible] A[illegible]	[illegible] [illegible] [illegible] mi.[illegible]	[illegible]	[illegible]
[illegible]FI C[illegible]M[illegible]T[illegible][illegible] [illegible]I[illegible] [illegible]A	[illegible][illegible] R[illegible][illegible]CRA[illegible][illegible] A[illegible]	[illegible] [illegible] [illegible] mi.[illegible]	C[illegible]	[illegible]

A I CA				
C H A TH A I CAC	R CRA A	mi.	C	
TH T C M A I, I A I CAC	. R CRA A	mi.	C	
TH T C M A I, I A I CAC	R CRA A .	mi.	C	
A M FA T R RI A I CA	MC I A	mi.		
TRA A I CAC	R CRA A	mi.		
TR CH H RI C M A A I CA	R CRA A	mi.		
T M MA C R A A I CA	R CRA A	mi.		
T R U A A I CAC	R CRA A	mi.		
THRIFT I C M A A I CA	A T R CRA A	mi.		

Lower Elevation	Address	Direction / Distance	Map ID	Page
CT I I TIC I C. A I CAC	T R CRA	mi.		
R IC TATI A A I CAR	R CRA C	mi.		
A F R U A I CAC	R CRA A	mi.	F	
A A C T RA , A I CAC	R CRA A	mi.	F	
A TRA R A I CA	R CRA	mi.	F	
MI R' C A R A I CA	R CRA A	mi.	H	
AR FRA I A I CAC	UTH CAIRI A	mi.		

FU The isting includes locations of Formerly Used efense ites roperties where the U Army Corps f ngineers is actively working or will take necessary cleanup actions.

A review of the FU list, as provided y R, and dated has revealed that there is FU site within appro imately mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
C TRA AIR RT		mi.		

EXECUTIVE SUMMARY

Cortese The sites for the list are designated by the State Water Resource Control Board (SWRCB), the Integrated Waste Board (IWMB) Formerly, and the Department of Toxic Substances Control (Calsites).

A review of the Cortese list, as provided by EDR, and dated [illegible] has revealed that there are [illegible] Cortese sites within approximately [illegible] miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BROWN-FERRIS IND (BF	**2509 WEST ROSECRANS**	**NNE 0 - 1/8 (0.093 mi.)**	**C26**	**74**
Cleanup Status: CLOSED, Status Date: [illegible], CA Cortese				
CALIFORNIA FRAMES, I	**13945 MCKINLEY AVE**	**NNW 1/8 - 1/4 (0.154 mi.)**	**E34**	**96**
Cleanup Status: CLOSED, Status Date: [illegible], CA Cortese				
TRENCH SHORING	**636 ROSECRANS AVE. E**	**W 1/8 - 1/4 (0.168 mi.)**	**G41**	**106**
Cleanup Status: CLOSED, Status Date: [illegible], CA Cortese				
CIRCLE K #7889/THRIF	**600 ROSECRANS AVE E**	**W 1/8 - 1/4 (0.234 mi.)**	**J64**	**265**
Cleanup Status: CLOSED, Status Date: [illegible], CA Cortese				
TOSCO S.S. #3327	**14216 AVALON BLVD S**	**W 1/4 - 1/2 (0.255 mi.)**	**K66**	**272**
Cleanup Status: CLOSED, Status Date: [illegible], CA Cortese				
V & M PRECISION GRIN	**14032 S AVALON BLVD**	**WNW 1/4 - 1/2 (0.262 mi.)**	**K69**	**278**
Cleanup Status: CLOSED, Status Date: [illegible], CA Cortese				

Lower Elevation	Address	Direction / Distance	Map ID	Page
COMPLETE CHARTER LIN	**14531 AVALON BLVD S**	**WSW 1/4 - 1/2 (0.296 mi.)**	**M76**	**324**
Cleanup Status: CLOSED, Status Date: [illegible], CA Cortese				
LAIDLAW TRANSIT GARD	**14800 S AVALON BLVD**	**SW 1/4 - 1/2 (0.330 mi.)**	**N81**	**332**
Cleanup Status: CLOSED, Status Date: [illegible], CA Cortese				
DONGAREY EQUIPMENT R	**14011 CENTRAL AVE N**	**ENE 1/4 - 1/2 (0.334 mi.)**	**83**	**339**
Cleanup Status: CLOSED, Status Date: [illegible], CA Cortese				
IVAN HALPERIN	**14900 SOUTH AVALON B**	**SW 1/4 - 1/2 (0.371 mi.)**	**85**	**344**
Cleanup Status: CLOSED, Status Date: [illegible], CA Cortese				
ATKINS BRICK COMPANY	**13633 CENTRAL AVE N**	**N 1/4 - 1/2 (0.415 mi.)**	**88**	**348**
Cleanup Status: CLOSED, Status Date: [illegible], CA Cortese				
COLUMBIA MANUFACTURI	**14400 SAN PEDRO ST S**	**W 1/4 - 1/2 (0.453 mi.)**	**Q97**	**388**
Cleanup Status: CLOSED, Status Date: [illegible], CA Cortese				
VIKING FREIGHT SYSTE	**14719 SAN PEDRO ST S**	**WSW 1/4 - 1/2 (0.485 mi.)**	**R101**	**393**
Cleanup Status: CLOSED, Status Date: [illegible], CA Cortese				

RCRA RCRA 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 cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the RCRA list, as provided by EDR, has revealed that there are [illegible] RCRA sites within approximately [illegible] miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MI[illegible] RCRA	[illegible] RD[illegible] CRA[illegible]	[illegible] mi.	H[illegible]	[illegible]
Database: RCRA[illegible], Date of Government Version[illegible]				
EPA Id: CA[illegible]				
MI[illegible] R' CRA[illegible],	[illegible] RD[illegible] CRA[illegible]	[illegible] mi.	H[illegible]	[illegible]
Database: RCRA[illegible] UTH CA T, Date of Government Version[illegible]				

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
MILLER'S CLEANERS	***2339 W ROSECRANS AVE***	***ENE 1/8 - 1/4 (0.181 mi.)***	***H48***	***184***
Database: RCRA, Date of Government Version:				
EPA Id: CA				
MILLER'S CLEANERS	2339 W ROSECRANS	ENE 1/8 - 1/4 (0.181 mi.)	H48	184
Database: RCRA, Date of Government Version:				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board (SWRCB), the Integrated Waste Board (IWMB) Formerly, and the Department of Toxic Substances Control (CALEPA). This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated has revealed that there are HIST CORTESE sites within approximately .0 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CALIFORNIA FRAMES, I	***13945 MCKINLEY AVE***	***NNW 1/8 - 1/4 (0.154 mi.)***	***E34***	***96***
Reg Id:				
CIRC THRIF	R CRA	mi.		
Reg Id: R				
TOSCO S.S. #3327	***14216 AVALON BLVD S***	***W 1/4 - 1/2 (0.255 mi.)***	***K66***	***272***
Reg Id:				
M RCI I RI	A A	mi.		
Reg Id: I				

Lower Elevation	Address	Direction / Distance	Map ID	Page
C M T CHART R I	A A	mi.	M	
Reg Id: I				
DONGAREY EQUIPMENT R	***14011 CENTRAL AVE N***	***ENE 1/4 - 1/2 (0.334 mi.)***	***83***	***339***
Reg Id: I				
C UM IA MA UFACTURI	A R	mi.		
Reg Id: I				
I I FR I HT T	A R	mi.	R	
Reg Id: R				
ATKINSON BRICK COMPA	***13633 SOUTH CENTRAL***	***NE 1/4 - 1/2 (0.497 mi.)***	***102***	***397***
Reg Id: R				

HIST : Detailed information on permitted hazardous waste facilities and corrective action cleanups tracked in Envirostor.

A review of the HIST list, as provided by EDR, and dated has revealed that there is HIST site within approximately mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LEACH OIL COMPANY IN	***625 E COMPTON BLVD***	***SSW 1/4 - 1/2 (0.440 mi.)***	***P92***	***366***
EPA Id: CA				
Cleanup Status: U R I C UR				

EXECUTIVE SUMMARY

MI[illegible] A listing of mine site locations from the [illegible]ffice of Mine Reclamation.

A review of the MI[illegible] list, as provided [illegible]y [illegible]R, and dated [illegible] has revealed that there is [illegible] MI[illegible] site within appro[illegible]imately [illegible].[illegible] miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
AT[illegible]I[illegible] [illegible]IT II [illegible]R[illegible]	[illegible]. C[illegible]TRA[illegible] A[illegible]	[illegible] mi.	[illegible]	[illegible]

[illegible]otify [illegible]listings of all [illegible]roposition [illegible] incidents reported to counties [illegible]y the [illegible]tate [illegible]ater Resources Control [illegible]oard and the Regional [illegible]ater [illegible]uality Control [illegible]oard. This data[illegible]ase is no longer updated [illegible]y the reporting agency.

A review of the [illegible]otify [illegible] list, as provided [illegible]y [illegible]R, and dated [illegible] has revealed that there is [illegible] [illegible]otify [illegible] site within appro[illegible]imately [illegible] mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
M[illegible]UR[illegible]AUR[illegible] [illegible]I[illegible]C	[illegible]. C[illegible]M[illegible]T[illegible] [illegible].	[illegible] mi.	[illegible]	[illegible]

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

[illegible]R Hist Auto[illegible]R has searched selected national collections of [illegible]usiness directories and has collected listings of potential gas station[illegible]filling station[illegible]service station sites that were availa[illegible]le to [illegible]R researchers. [illegible]R's review was limited to those categories of sources that might, in [illegible]R's opinion, include gas station[illegible]filling station[illegible]service station esta[illegible]lishments. The categories reviewed included, [illegible]ut were not limited to gas, gas station, gasoline station, filling station, auto, automo[illegible]ile repair, auto service station, service station, etc. This data[illegible]ase falls within a category of information [illegible]R classifies as [illegible]High Risk Historical Records[illegible] or HRHR. [illegible]R's HRHR effort presents uni[illegible]ue and sometimes proprietary data a[illegible]out past sites and operations that typically create environmental concerns, [illegible]ut may not show up in current government records searches.

A review of the [illegible]R Hist Auto list, as provided [illegible]y [illegible]R, has revealed that there is [illegible] [illegible]R Hist Auto site within appro[illegible]imately [illegible].[illegible] miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
M[illegible]TAR[illegible]A[illegible]TATI[illegible]	[illegible] R[illegible]CRA[illegible] A[illegible]	[illegible] mi.	[illegible]	[illegible]

[illegible]R Hist Cleaner[illegible]R has searched selected national collections of [illegible]usiness directories and has collected listings of potential dry cleaner sites that were availa[illegible]le to [illegible]R researchers. [illegible]R's review was limited to those categories of sources that might, in [illegible]R's opinion, include dry cleaning esta[illegible]lishments. The categories reviewed included, [illegible]ut were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning[illegible]laundry, wash [illegible] dry etc. This data[illegible]ase falls within a category of information [illegible]R classifies as [illegible]High Risk Historical Records[illegible] or HRHR. [illegible]R's HRHR effort presents uni[illegible]ue and sometimes proprietary data a[illegible]out past sites and operations that typically create environmental concerns, [illegible]ut may not show up in current government records searches.

A review of the [illegible]R Hist Cleaner list, as provided [illegible]y [illegible]R, has revealed that there are [illegible] [illegible]R Hist

EXECUTIVE SUMMARY

Cleaner sites within approximately 0.000 miles of the target property.

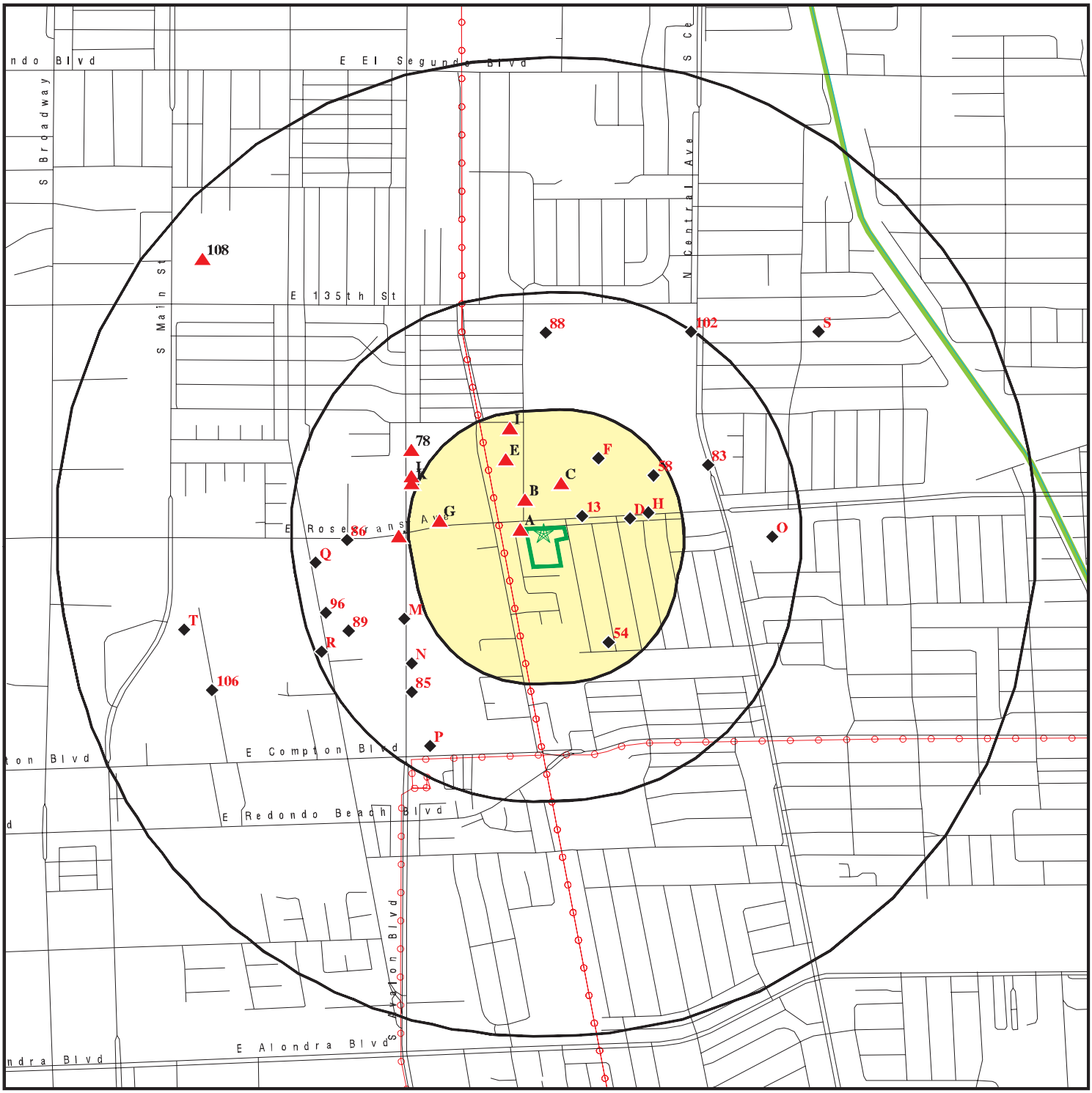
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AU RMAT	R CRA A	0.000 mi.	A	
R C AR	R CRA	0.000 mi.		

EXECUTIVE SUMMARY

ue to poor or inade uate address information, the following sites were not mapped. Count records.

ite ame	ata ase(s)
I R M ICA MA T	U T, HI T C RT C
C CA R A H MA A TA F ACIFIC I I U CA R CRA A	C IC C IC C IC

OVERVIEW MAP - 6132121.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

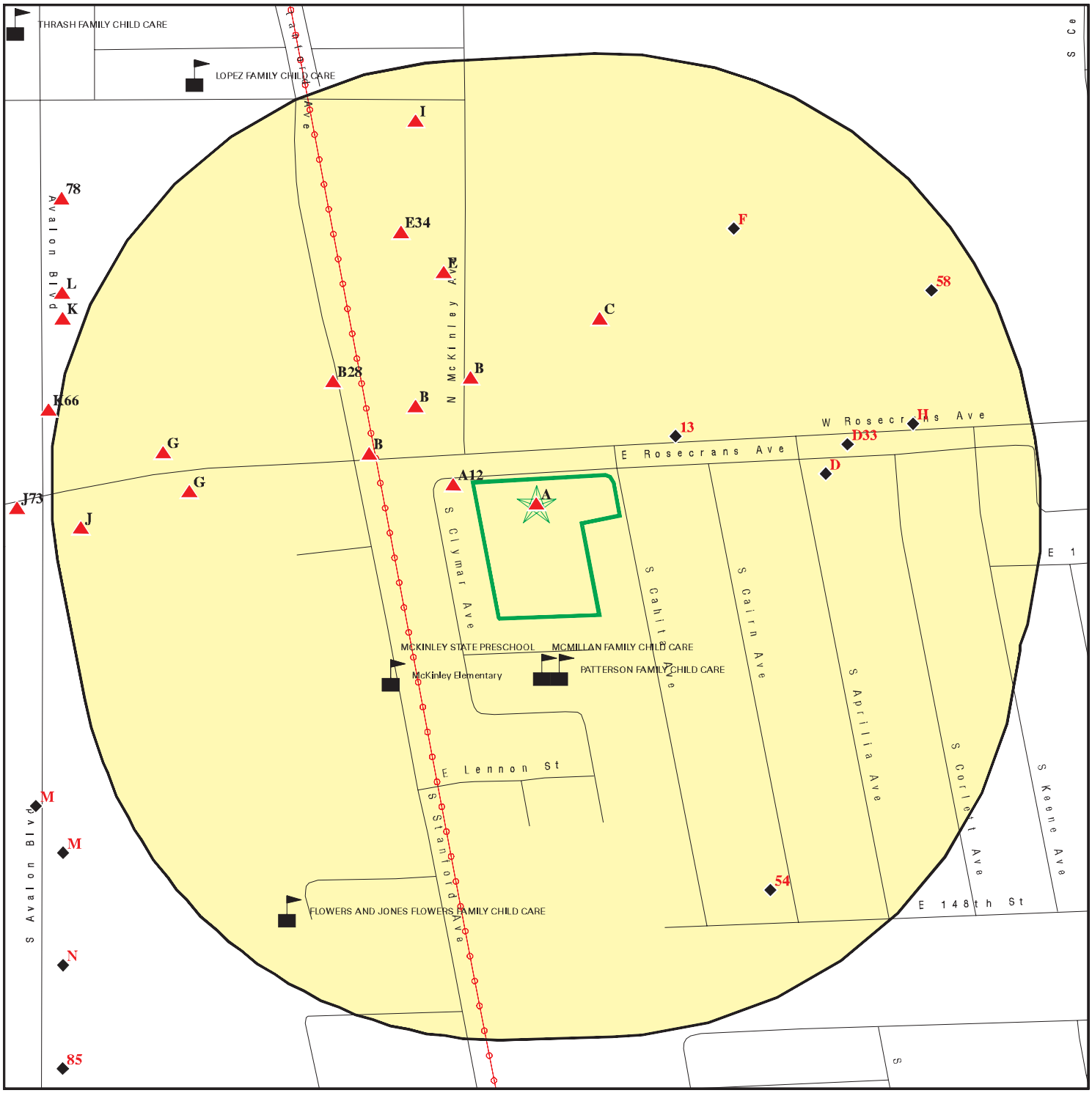
Areas of Concern

N

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:	Green Dot Public School	CLIENT:	Alta Environmental
ADDRESS:	900 Rosecrans Compton CA 90220	CONTACT:	Alondra Villanueva
LAT/LONG:	33.902058 / 118.260185	INQUIRY #:	6132121.2s
		DATE:	July 23, 2020 5:54 pm

DETAIL MAP - 6132121.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Green Dot Public School	CLIENT: Alta Environmental
ADDRESS: 900 Rosecrans	CONTACT: Alondra Villanueva
Compton CA 90220	INQUIRY #: 6132121.2s
LAT/LONG: 33.902058 / 118.260185	DATE: July 23, 2020 5:56 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]R	[illegible]
[illegible]roposed [illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]R	[illegible]
[illegible] [illegible]I[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]R	[illegible]
Federal Delisted NPL site list								
[illegible]elisted [illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]R	[illegible]
Federal CERCLIS list								
F[illegible]RA[illegible] FACI[illegible]IT[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]R	[illegible]R	[illegible]
[illegible]M[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]R	[illegible]R	[illegible]
Federal CERCLIS NFRAP site list								
[illegible]M[illegible]ARCHI[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]R	[illegible]R	[illegible]
Federal RCRA CORRACTS facilities list								
C[illegible]RRACT[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]R	[illegible]
Federal RCRA non-CORRACTS TSD facilities list								
RCRA[illegible]T[illegible]F	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]R	[illegible]R	[illegible]
Federal RCRA generators list								
RCRA[illegible]	[illegible]		[illegible]	[illegible]	[illegible]R	[illegible]R	[illegible]R	[illegible]
RCRA[illegible]	[illegible]		[illegible]	[illegible]	[illegible]R	[illegible]R	[illegible]R	[illegible]
RCRA[illegible]	[illegible]		[illegible]	[illegible]	[illegible]R	[illegible]R	[illegible]R	[illegible]
Federal institutional controls / engineering controls registries								
[illegible]UCI[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]R	[illegible]R	[illegible]
U[illegible] [illegible] C[illegible]TR[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]R	[illegible]R	[illegible]
U[illegible] I[illegible]T C[illegible]TR[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]R	[illegible]R	[illegible]
Federal ERNS list								
[illegible]R[illegible]	[illegible]		[illegible]	[illegible]R	[illegible]R	[illegible]R	[illegible]R	[illegible]
State- and tribal - equivalent NPL								
R[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]R	[illegible]
State- and tribal - equivalent CERCLIS								
[illegible]IR[illegible]T[illegible]R	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]R	[illegible]
State and tribal landfill and/or solid waste disposal site lists								
[illegible] F[illegible]F	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]R	[illegible]R	[illegible]
State and tribal leaking storage tank lists								
[illegible]U[illegible]T	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]R	[illegible]R	[illegible]

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property						Total Plotted
FEDERAL USTS	0.250		0	0	0	0	0	0
CERCLIS LIENS	0.250		0	0	0	0	0	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	0	0	0	0
UST	0.250		0	0	0	0	0	0
AST	0.250		0	0	0	0	0	0
INDIAN UST	0.250		0	0	0	0	0	0
State and tribal voluntary cleanup sites								
VCP	0.250		0	0	0	0	0	0
INDIAN VCP	0.250		0	0	0	0	0	0
State and tribal Brownfields sites								
BROWNFIELDS	0.250		0	0	0	0	0	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.250		0	0	0	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	0	0	0
ODI	0.500		0	0	0	0	0	0
HAULED	0.500		0	0	0	0	0	0
INDIAN ODI	0.500		0	0	0	0	0	0
SWRCY	0.500		0	0	0	0	0	0
HIST LF	0.500		0	0	0	0	0	0
SWF/LF	0.500		0	0	0	0	0	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	0.500		0	0	0	0	0	0
US HIST CDL	0.500		0	0	0	0	0	0
HIST Cal-Sites	0.500		0	0	0	0	0	0
SCH	0.500		0	0	0	0	0	0
CDL	0.500		0	0	0	0	0	0
CDL HAZ SITE	0.500		0	0	0	0	0	0
Toxic Pits	0.500		0	0	0	0	0	0
US CDL	0.500		0	0	0	0	0	0
SAA	0.500		0	0	0	0	0	0
Local Lists of Registered Storage Tanks								
CA UST	0.250		0	0	0	0	0	0
HIST UST	0.250		0	0	0	0	0	0
CERS TANK	0.250		0	0	0	0	0	0
CA FID UST	0.250		0	0	0	0	0	0
Local Land Records								
LIENS	0.500		0	0	0	0	0	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property					Total Plotted
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Records of Emergency Release Reports							
HMIRS	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CHMIRS	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MCS	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Other Ascertainable Records							
RCRA [illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FUDS	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
US FIN [illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TSCA	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRIS	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RCRA	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RMP	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RAATS	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
PRP	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CERCLIS	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FTTS	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MLTS	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
COAL ASH DOE	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
COAL ASH EPA	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
PCB TRANSFORMER	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RADINFO	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
HIST FTTS	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DOT OPS	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CONSENT	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
INDIAN RESERV	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FUSRAP	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
UMTRA	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
LEAD SMELTER	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
US AIRS	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
US MINES	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ABANDONED MINES	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINDS	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
UXO	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ECHO	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DOCKET HWC	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FUELS PROGRAM	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CA [illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cortese	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CUPA Listings	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

MAP FINDINGS SUMMARY

□ata□ase	□earch □istance □Miles□	Target □roperty	□ □□□	□□□ □□□□	□□□ □□□□	□□□ □□□	□ □	Total □lotted
□R□C□□A□ □R□	□.□□□		□	□	□R	□R	□R	□
□MI	□.□□□		□	□R	□R	□R	□R	□
□□□F	□.□□□		□	□R	□R	□R	□R	□
Financial Assurance	□.□□□		□	□R	□R	□R	□R	□
HA□□□□T	□.□□□	□	□	□R	□R	□R	□R	□
IC□	□.□□□		□	□R	□R	□R	□R	□
HI□T C□ RT□□□	□.□□□		□	□	□	□R	□R	□
□□ □ A□□ □□□□ C□. HM□	□.□□□	□	□	□R	□R	□R	□R	□
H□ □	□.□□□		□	□	□	□	□R	□
H□ T	□.□□□		□	□	□R	□R	□R	□
MI□□□	□.□□□		□	□	□R	□R	□R	□
M□ M□	□.□□□		□	□	□R	□R	□R	□
□□□□□	□.□□□		□	□R	□R	□R	□R	□
□□□T □IC	□.□□□		□	□R	□R	□R	□R	□
□R□C	□.□□□		□	□	□	□R	□R	□
□otify □□	□.□□□		□	□	□	□	□R	□
□A Co. □ite Mitigation	□.□□□		□	□R	□R	□R	□R	□
UIC	□.□□□		□	□R	□R	□R	□R	□
UIC □□□	□.□□□		□	□R	□R	□R	□R	□
□ A□T□□ AT□R □IT□	□.□□□		□	□	□	□R	□R	□
□ □□	□.□□□		□	□R	□R	□R	□R	□
□ I□	□.□□□		□	□	□R	□R	□R	□
MI□ITAR□ □RI□ □IT□□	□.□□□		□	□R	□R	□R	□R	□
□R□ □□CT	□.□□□		□	□R	□R	□R	□R	□
□ □R	□.□□□		□	□R	□R	□R	□R	□
CI□ □□	□.□□□		□	□R	□R	□R	□R	□
C□R□	□.□□□		□	□R	□R	□R	□R	□
□□ □□CA□□ I□F□	□.□□□		□	□R	□R	□R	□R	□
□TH□R □I□ □A□	□.□□□		□	□R	□R	□R	□R	□
□R□□ □ AT□R □□□□□	□.□□□		□	□R	□R	□R	□R	□
□AM□□I□□ □□I□T	□.□□□		□	□R	□R	□R	□R	□
□ □□□ □TIM □R□□	□.□□□		□	□R	□R	□R	□R	□
□□ □ A□□ □□□□ C□ □F M□THA	□□□□		□	□	□	□R	□R	□
MI□□□ MR□□	□.□□□		□	□R	□R	□R	□R	□
H□ T□	T□	□	□R	□R	□R	□R	□R	□

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

□□R M□□	□.□□□		□	□	□	□	□R	□
□□R Hist Auto	□.□□□	□	□	□R	□R	□R	□R	□
□□R Hist Cleaner	□.□□□		□	□R	□R	□R	□R	□

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

R□A □F	□.□□□		□	□R	□R	□R	□R	□
R□A □U□T	□.□□□	□	□	□R	□R	□R	□R	□
□Totals □□		□□	□□	□□	□□	□	□	□□□

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Total Plotted

[illegible] TP[illegible]

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
A1	**G&M OIL CO**	**LOS ANGELES CO. HMS**	**S103489157**
Target	**900 W ROSECRANS AVE**		**N/A**
Property	**COMPTON, CA 90220**		

Site 1 of 12 in cluster A

Actual: 113 ft.

HAZARDOUS WASTE GEN. HMS

Name:	G&M OIL CO
Address:	900 W ROSECRANS AVE
City,State,Zip:	COMPTON, CA 90220
Region:	CA
Permit Category:	T
Facility Id:	19990000000000000
Facility Type:	0
Facility Status:	Removed
Area:	00
Permit Number:	00000000000
Permit Status:	Removed

A2	**PETROMAX**	**UST**	**U003778251**
Target	**900 W ROSECRANS AVE**	**LOS ANGELES CO. HMS**	**N/A**
Property	**COMPTON, CA 90222**		

Site 2 of 12 in cluster A

Actual: 113 ft.

UST

Name:	00TR MA
Address:	900 W ROSECRANS AVE
City,State,Zip:	COMPTON, CA 90220
Facility ID:	000000
Permitting Agency:	00 A000000 C UST
Latitude:	00.000000
Longitude:	0000.000000

HAZARDOUS WASTE GEN. HMS

Name:	00TR MA
Address:	900 W ROSECRANS AVE
City,State,Zip:	COMPTON, CA 90220
Region:	CA
Permit Category:	T
Facility Id:	19990000000000000
Facility Type:	0
Facility Status:	Removed
Area:	00
Permit Number:	00000000000
Permit Status:	Removed

A3	**CALIF TARGET**	**HAZNET**	**S112843586**
Target	**900 W ROSECRANS**	**HWTS**	**N/A**
Property	**COMPTON, CA 90222**		

Site 3 of 12 in cluster A

Actual: 113 ft.

HAZNET

Name:	CALIF TARGET
Address:	900 W ROSECRANS
Address 2:	Not reported
City,State,Zip:	COMPTON, CA 000000000

CALIF TARGET (Continued) **S112843586**

Contact□ □AR□ □□□□□□□□ M□R
Telephone□ □□□□□□□□□□
Mailing □ame□ □ot reported
Mailing Address□ □□□□□ □A□□□ □ □□ □□□□

□ear□ □□□□
□epaid□ CAC□□□□□□□□□□
T□□ □□A I□□ CAT□□□□□□□□□□
CA □ aste Code□ □□□ □Tank □ottom waste
□isposal Method□ R□□ □Recycler
Tons□ □.□□□□

Additional Info□
□ear□ □□□□
□en □□A I□□ CAC□□□□□□□□□□

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ CA□□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ CA□ □□□□□□□□□
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□
Trans □ame□ □ot reported
T□□F Alt □□A I□□ CAT□□□□□□□□□
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □Tank □ottom waste □□□ □till □ottoms with halogenated organics
RCRA Code□ □□□□
Meth Code□ R□□ □Recycler
□uantity Tons□ □.□□□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ CA□□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ CA□ □□□□□□□□□
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□
Trans □ame□ □ot reported
T□□F Alt □□A I□□ □ot reported
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □Tank □ottom waste □□□ □till □ottoms with halogenated organics
RCRA Code□ □□□□
Meth Code□ R□□ □Recycler
□uantity Tons□ □.□□□□

CALIF TARGET (Continued) **S112843586**

□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

H□ T□□

□ame□	CA□IF TAR□ □T
Address□	□□□ □ R□ □□CRA□ □
Address □□	□ot reported
City,□tate,□ip□	C□ M□T□ □, CA □□□□□□□□□□
□□A I□ □	CAC□□□□□□□□□□
Inactive □ate□	□□□□□□□□□□
Create □ate□	□□□□□□□□□□
□ast Act □ate□	□□□□□□□□□□
Mailing □ame□	□ot reported
Mailing Address□	□□□□□ □A□□ □ □ □ □□□□
Mailing Address □□	□ot reported
Mailing City,□tate,□ip□	□□□ □□□, CA □□□□□□□□□□
□wner □ame□	□AR□ □A□AR
□wner Address□	□□
□wner Address □□	□ot reported
□wner City,□tate,□ip□	□□, □□ □□
Contact □ame□	□AR□ □□□□□□□□□ M□R
Contact Address□	□□
Contact Address □□	□ot reported
City,□tate,□ip□	□□, □□ □□

A4 **P&M SERVICE STATIONS #904** **SWEEPS UST** **S102057064**
Target **900 W ROSECRANS AVE** **LOS ANGELES CO. HMS** **N/A**
Property **COMPTON, CA 90220**

Site 4 of 12 in cluster A

Actual: **113 ft.**

□□ □□□□ U□T□

□ame□	□□M □□R□IC□ □TATI□ □□ □□□□
Address□	□□□ □ R□ □□CRA□□ A□□
City□	C□ M□T□ □
□tatus□	Active
Comp □um□er□	□□□□□
□um□er□	□
□oard □f □□uali□ation□	□□□□□□□□□
Referral □ate□	□□□□□□□□
Action □ate□	□ot reported
Created □ate□	□□□□□□□□
□wner Tank Id□	□ot reported
□□ RC□ Tank Id□	□□□□□□□□□□□□□□□□□□□□□□□□
Tank □tatus□	A
Capacity□	□ot reported
Active □ate□	□□□□□□□□
Tank Use□	U□□□□□ □
□T□ □	□
Content□	□ot reported
□um□er □f Tanks□	□

P&M SERVICE STATIONS #904 (Continued) **S102057064**

□ame□	□□M □□R□IC□ □TATI□□□ □□□□
Address□	□□□ □ R□□□CRA□□ A□□
City□	C□M□T□□
□tatus□	Active
Comp □um□er□	□□□□□
□um□er□	□
□oard □f □□uali□ation□	□□□□□□□□□
Referral □ate□	□□□□□□□□
Action □ate□	□ot reported
Created □ate□	□□□□□□□□
□wner Tank Id□	□ot reported
□□ RC□ Tank Id□	□□□□□□□□□□□□□□□□□□□□□□□□
Tank □tatus□	A
Capacity□	□ot reported
Active □ate□	□□□□□□□□
Tank Use□	U□□□□□ □
□T□□	□
Content□	□ot reported
□um□er □f Tanks□	□ot reported

□ame□	□□M □□R□IC□ □TATI□□□ □□□□
Address□	□□□ □ R□□□CRA□□ A□□
City□	C□M□T□□
□tatus□	Active
Comp □um□er□	□□□□□
□um□er□	□
□oard □f □□uali□ation□	□□□□□□□□□
Referral □ate□	□□□□□□□□
Action □ate□	□ot reported
Created □ate□	□□□□□□□□
□wner Tank Id□	□ot reported
□□ RC□ Tank Id□	□□□□□□□□□□□□□□□□□□□□□□□□
Tank □tatus□	A
Capacity□	□ot reported
Active □ate□	□□□□□□□□
Tank Use□	U□□□□□ □
□T□□	□
Content□	□ot reported
□um□er □f Tanks□	□ot reported

□□ □ A□□□□□□ C□. HM□□

□ame□	□□M □□R□IC□ □TATI□□□ □□□□
Address□	□□□ □ R□□□CRA□□ A□□
City,□tate,□ip□	C□M□T□□, CA □□□□□
Region□	□A
□ermit Category□	T
Facility Id□	□□□□□□□□□□□□□□□
Facility Type□	□
Facility □tatus□	Closed
Area□	□□
□ermit □um□er□	□□□□□□□□T
□ermit □tatus□	Closed

A5 **G&M OIL CO** **SPILLS 90** **S112285309**
Target **900 W ROSECRANS AVE** **N/A**
Property **COMPTON, CA 90220**

Site 5 of 12 in cluster A

Actual: □pills□
113 ft.

□tatus□	□□□□ □□IT□ A□□□□□M□□T
Contact □ame□	□ot reported
Contact □hone□	□ot reported
□ite I□□	□□T□□□□□□□□□□□
□econdary I□□	□ot reported
Cross □treet□	□ot reported
County□	□□ □ A□□□□□□
□ongitude□	□□□□□□□□□□□
□atitude□	□□□□□□□□□
□levation□	□□
	□lease □ote That □ome □lic □ata □reviously □rovided □y The □tate □ ater Resources Control □oard □ia The Regional □oards Is □ot Currently □rovided □y The Agency In The □ew □eotracker Format. To □nsure That □ur □ata Is As Complete As □ossi□le □ e Have Retained The □riginal Regional □oards □lic Records As □ ell As □oaded All □eotracker □lic □istings. □eotracker Records Are □istinguished □y An Initial □ At The □tart □f The Id.
□ead Agency□	□□ □ A□□□□□□ C□U□T□
Regional □oard Case □um□er□	□ot reported
□ocal Agency□	□□ □ A□□□□□□ C□U□T□
□ocal Case □um□er□	□□□□□□
Case Type□	Cleanup □rogram □ite
□tatus□	□pen □□ite Assessment
□tatus □ate□	□□□□□□□□□□
□otential Media Affected□	□otential Contaminants □f Concern □asoline, □iesel Under Investigation
	□ite History □□lank If □ot Reported□ Action Type □□lank If □ot Reported□ R□M□□IATI□□
□ate □□lank If □ot Reported□□	□□□□□□□□□□ □□ □□ □□
Action □□lank If □ot Reported□□	□ot reported Action Type □□lank If □ot Reported□ □ther
□ate □□lank If □ot Reported□□	□□□□□□□□□□ □□ □□ □□
Action □□lank If □ot Reported□□	□eak Reported Action Type □□lank If □ot Reported□ □ther
□ate □□lank If □ot Reported□□	□□□□□□□□□□ □□ □□ □□
Action □□lank If □ot Reported□□	□eak □iscovery
Contact Type□	□ocal Agency Caseworker
Contact □ame□	TIM □MITH
□rgani□ation □ame□	□□ □ A□□□□□□ C□U□T□
Contact Address□	□□□ □. FR□M□□T A□□.
Contact City□	A□HAM□RA
Contact □mail□	tsmith□ dpw.lacounty.gov
Contact □hone □um□er□	□ot reported
Contact Type□	Regional □oard Caseworker
Contact □ame□	□U□ R□□□
□rgani□ation □ame□	□□ □ A□□□□□□ R□ □C□ □R□□ I□□ □□
Contact Address□	□□□ □ . □TH □T., □UIT□ □□□

G&M OIL CO (Continued) **S112285309**

Contact City□	□□□ A□□□□□□
Contact □mail□	yrong□ water□oards.ca.gov
Contact □hone □um□er□	□ot reported
	Release □ata From The California □tate □ ater Resources Control □oard
	□eotracker □lic □ata□ase

A6 **904** **HIST UST** **U001562563**
Target **900 W ROSECRANS** **N/A**
Property **COMPTON, CA 90200**

Site 6 of 12 in cluster A

Actual:
113 ft.

HI□T U□T□

□ame□	□□□
Address□	□□□ □ R□ □□CRA□ □
City,□tate,□ip□	C□ M□T□ □, CA □□□□□
File □um□er□	□□□□□A□□
UR□□	http□□□geotracker.water□oards.ca.gov□ustpdfs□pdf□□□□□□A□□.pdf
Region□	□TAT□
Facility I□ □	□□□□□□□□□□□□
Facility Type□	□as □tation
□ther Type□	□ot reported
Contact □ame□	□ot reported
Telephone□	□□□□□□□□□□
□wner □ame□	□ □ M □□R□IC□ □TATI□ □□
□wner Address□	□□□□□ □A□□ □ □□ □□□□.
□wner City,□t,□ip□	□□□ □□□, CA □□□□□
Total Tanks□	□□□□

Tank □um□	□□□
Container □um□	□□□□
□ear Installed□	□ot reported
Tank Capacity□	□□□□□□□□
Tank Used for□	□R□ □UCT
Type of Fuel□	R□□ U□AR
Container Construction Thickness□	□ot reported
□eak □etection□	□tock Inventor

Tank □um□	□□□
Container □um□	□□□□
□ear Installed□	□ot reported
Tank Capacity□	□□□□□□□□
Tank Used for□	□R□ □UCT
Type of Fuel□	□R□MIUM
Container Construction Thickness□	□ot reported
□eak □etection□	□tock Inventor

Tank □um□	□□□
Container □um□	□□□□
□ear Installed□	□ot reported
Tank Capacity□	□□□□□□□□
Tank Used for□	□R□ □UCT
Type of Fuel□	U□□□A□□□
Container Construction Thickness□	□ot reported
□eak □etection□	□tock Inventor

Click here for □eo Tracker □□F□

A7
Target
Property

1X TARGET ENTERPRISES
900 W ROSECRANS
COMPTON, CA 90222

Site 7 of 12 in cluster A

□ata□ase□s□	
HAZNET	**S123777645**
HWTS	**N/A**

Actual:
113 ft.

HA□□□T□

□ame□	□□ TAR□ □T □□T□R□RI□□□
Address□	□□□□ □ R□ □□CRA□ □
Address □□	□ot reported
City,□tate,□ip□	C□ M□T□ □, CA □□□□□□□□□□
Contact□	□UA□A□U□□ A□A□A
Telephone□	□□
Mailing □ame□	□ot reported
Mailing Address□	□□
□ear□	□□□□
□epaid□	CA□□□□□□□□□□
T□□ □□A I□□	CA□□□□□□□□□□
CA □ aste Code□	□□□ □□ il□water separation sludge
□isposal Method□	□ □□ □□isposal, □and Fill
Tons□	□.□□□
□ear□	□□□□
□epaid□	CA□□□□□□□□□□
T□□ □□A I□□	CA□□□□□□□□□□
CA □ aste Code□	□□□ □□ il□water separation sludge
□isposal Method□	□□ □
Tons□	□.□□□

H□ T□□

□ame□	□□ TAR□ □T □□T□R□RI□□□
Address□	□□□□ □ R□ □□CRA□ □
Address □□	□ot reported
City,□tate,□ip□	C□ M□T□ □, CA □□□□□□□□□□
□□A I□□	CA□□□□□□□□□□
Inactive □ate□	□□□□□□□□□□
Create □ate□	□□□□□□□□□□
□ast Act □ate□	□□□□□□□□□□
Mailing □ame□	□ot reported
Mailing Address□	□□
Mailing Address □□	□ot reported
Mailing City,□tate,□ip□	C□ M□T□ □, CA □□□□□□□□□□
□wner □ame□	□□
□wner Address□	□□
□wner Address □□	□ot reported
□wner City,□tate,□ip□	□□, □□ □□
Contact □ame□	□UA□A□U□□ A□A□A
Contact Address□	I□ACT □□R □□□□ FI□A□ □□TIC□
Contact Address □□	□□ATCH □□□□
City,□tate,□ip□	□□, □□ □□

Map I
irection
istance
levation | ite | ata ase $ | R I um er / A I um er

A8 **SPIELMAN HERBERT M** **EDR Hist Auto** **1020419776**
Target **900 W ROSECRANS AVE** **N/A**
Property **COMPTON, CA 90242**

Site 8 of 12 in cluster A

Actual: R Hist Auto
113 ft.

ear	ame	Type
	I MA H R RT M	asoline ervice tations
	I MA H R RT M	asoline ervice tations
	I MA H R RT M	asoline ervice tations
	I MA H R RT M	asoline ervice tations
	I MA H R RT M	asoline ervice tations
	I MA H R RT M	asoline ervice tations
	I MA H R RT M	asoline ervice tations
	I MA H R RT M	asoline ervice tations
		Automotive Transmission Repair hops
		Automotive Transmission Repair hops
		Automotive Transmission Repair hops
		Automotive Transmission Repair hops
		Automotive Transmission Repair hops
		Automotive Transmission Repair hops
		Automotive Transmission Repair hops
		Automotive Transmission Repair hops
		Automotive Transmission Repair hops
		Automotive Transmission Repair hops
		Automotive Transmission Repair hops

A9 **G & M** **HAZNET** **S112891287**
Target **900 W ROSECRANS** **HWTS** **N/A**
Property **COMPTON, CA 90220**

Site 9 of 12 in cluster A

Actual: HA T
113 ft.

ame	M
Address	R CRA
Address	ot reported
City,tate,ip	C M T , CA
Contact	IF R TA RT
Telephone	
Mailing ame	ot reported
Mailing Address	A T
ear	
epaid	CAC
T A I	CAT
CA aste Code	aste oil and mi ed oil
isposal Method	Recycler
Tons	.

Additional Info

ear	
en A I	CAC
hipment ate	
Creation ate	

G & M (Continued) **S112891287**

Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ aste oil and mi□ed oil
RCRA Code□	□ot reported
Meth Code□	R□□ □Recycler
□uantity Tons□	□.□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

H□ T□□

□ame□	□ □M
Address□	□□□ □ R□ □□CRA□□
Address □□	□ot reported
City,□tate,□ip□	C□ M□T□ □, CA □□□□□□□□□□
□□A I□□	CAC□□□□□□□□□□
Inactive □ate□	□□□□□□□□□□
Create □ate□	□□□□□□□□□□
□ast Act □ate□	□□□□□□□□□□
Mailing □ame□	□ot reported
Mailing Address□	□□□□□□ A □T
Mailing Address □□	□ot reported
Mailing City,□tate,□ip□	HU□TI□□T□□ □□ACH, CA □□□□□□□□□□
□wner □ame□	□□□R□□ A □□AR□□□
□wner Address□	□□□□□□ A □T
□wner Address □□	□ot reported
□wner City,□tate,□ip□	HU□TI□□T□□ □□ACH, CA □□□□□□□□□□
Contact □ame□	□□□□IF□R TA□□□RT
Contact Address□	□□□□□□ A □T
Contact Address □□	□ot reported
City,□tate,□ip□	HU□TI□□T□□ □□ACH, CA □□□□□□□□□□

A10 **G&M OIL CO** **RGA LUST** **S114625205**
Target **900 ROSECRANS AVE. W.** **N/A**
Property **COMPTON, CA**

Site 10 of 12 in cluster A

Actual: **113 ft.**

R□A □U□T□

□ame□	□□M □I□ C□
Address□	□□□ R□ □□CRA□□ A□□. □ .
City□	C□ M□T□□
□tate□	C□ M□T□□
	□□□□ □□M □I□ C□ □□□ R□ □□CRA□□ A□□. □ .
□ame□	□□M □I□ C□

G&M OIL CO (Continued) **S114625205**

Address: [illegible] RCRA Gen. .
City: COMPTON
State: COMPTON [illegible] RCRA Gen. .

A11 **G&M OIL CO** **RGA LUST** **S114625206**
Target Property **900 W ROSECRANS AVE** **N/A**
COMPTON, CA

Site 11 of 12 in cluster A

Actual: 113 ft.

RGA LUST
Name: [illegible]
Address: [illegible] RCRA Gen
City: COMPTON
State: COMPTON
[illegible] [illegible] RCRA Gen
Name: [illegible]
Address: [illegible] RCRA Gen
City: COMPTON
State: COMPTON
[illegible] [illegible] RCRA Gen
Name: [illegible]
Address: [illegible] RCRA Gen
City: COMPTON
State: COMPTON
[illegible] [illegible] RCRA Gen
Name: [illegible]
Address: [illegible] RCRA Gen
City: COMPTON
State: COMPTON
[illegible] [illegible] RCRA Gen

A12 **PAY LESS LAUNDROMAT** **EDR Hist Cleaner** **1009125876**
WNW **904 E ROSECRANS AVE** **N/A**
< 1/8 **COMPTON, CA 90220**
0.011 mi.
60 ft.

Site 12 of 12 in cluster A

Relative: Higher

EDR Hist Cleaner

Actual: 115 ft.

Year	Name	Type
[illegible]	[illegible]A [illegible] [illegible]AU [illegible]R MAT	Not reported

---

13 **CTSI LOGISTICS INC.** **RCRA NonGen / NLR** **1024755738**
ENE **2517 WEST ROSECRANS AVENUE** **CAC002975563**
< 1/8 **LOS ANGELES, CA 90059**
0.046 mi.
241 ft.

Relative: Lower

RCRA Non-Gen [illegible]R
Date form received by agency [illegible].
Facility name: CTSI [illegible] LOGISTICS INC.
Facility address: [illegible] T RCRA Gen [illegible] U
[illegible] A [illegible], CA [illegible]

Actual: 112 ft.

CTSI LOGISTICS INC. (Continued) **1024755738**

□□A I□□ CAC□□□□□□□□□□
Contact□ H□RMI□I□ H□RAMIA □R.
Contact address□ □□□□ □ □□T R□ □□CRA□□ A□□□U□
□□ □ A□□□□□□, CA □□□□□□
Contact country□ □ot reported
Contact telephone□ □□□□□□□□□□□□
Contact email□ □U□□H□RAMIA□ CT□I□□□ □ I□TIC□.C□M
□□A Region□ □□
Classification□ □on□□enerator
□escription□ Handler□□on□□enerators do not presently generate ha□ardous waste

□wner□□perator □ummary□

□wner□operator name□ CT□I □□ □ I□TIC□ I□C.
□wner□operator address□ □□□□ □ □□T R□ □□CRA□□ A□□□U□
□□ □ A□□□□□□, CA □□□□□□
□wner□operator country□ □ot reported
□wner□operator telephone□ □□□□□□□□□□□□
□wner□operator email□ □ot reported
□wner□operator fa□□ □ot reported
□wner□operator e□tension□ □ot reported
□egal status□ □ther
□wner□□perator Type□ □wner
□wner□□p start date□ □ot reported
□wner□□p end date□ □ot reported

□wner□operator name□ H□RMI□I□ H□RAMIA □R.
□wner□operator address□ □□□□ □ □□T R□ □□CRA□□ A□□□U□
□□ □ A□□□□□□, CA □□□□□□
□wner□operator country□ □ot reported
□wner□operator telephone□ □□□□□□□□□□□□
□wner□operator email□ □ot reported
□wner□operator fa□□ □ot reported
□wner□operator e□tension□ □ot reported
□egal status□ □ther
□wner□□perator Type□ □perator
□wner□□p start date□ □ot reported
□wner□□p end date□ □ot reported

Handler Activities □ummary□

U.□. importer of ha□ardous waste□ □o
Mi□ed waste □ha□. and radioactive□□ □o
Recycler of ha□ardous waste□ □o
Transporter of ha□ardous waste□ □o
Treater, storer or disposer of H□ □ □o
Underground in□ection activity□ □o
□n□site □urner e□emption□ □o
Furnace e□emption□ □o
Used oil fuel □urner□ □o
Used oil processor□ □o
User oil refiner□ □o
Used oil fuel marketer to □urner□ □o
Used oil □pecification marketer□ □o
Used oil transfer facility□ □o
Used oil transporter□ □o

□iolation □tatus□ □o violations found

B14 **AERO PRODUCTS CO** **CERS HAZ WASTE** **S113092265**
NW **815 E ROSECRANS AVE** **HAZNET** **N/A**
< 1/8 **LOS ANGELES, CA 90059** **HWTS**
0.057 mi.
299 ft. **Site 1 of 8 in cluster B**

Relative:
Higher

Actual:
116 ft.

C□R□ HA□ □ A□T□□

□ame□	A□R□ □R□□UCT□ C□M□A□□
Address□	□□□ □ R□□□CRA□□ A□□
City,□tate,□ip□	□□ □ A□□□□□□, CA □□□□□
□ite I□□	□□□□
C□R□ I□□	□□□□□□□□□
C□R□ □escription□	Ha□ardous □ aste □enerator

□iolations□

□ite I□□	□□□□
□ite □ame□	A□R□ □R□□UCT□ C□M□A□□
□iolation □ate□	□□□□□□□□□□
Citation□	□□ CFR □ □□□.□□□ □U.□. Code of Federal Regulations, Title □□, Chapter □, □ection□s□□□□.□□□
□iolation □escription□	Failure to properly close ha□ardous waste containers when not in active use.
□iolation □otes□	FAI□□□ T□ □□□□ H□ C□□TAI□□R□ C□□ □□□ □ H□□ □□T I□ ACTI□□ U□□.
□iolation □ivision□	□os Angeles County Fire □epartment
□iolation □rogram□	H□
□iolation □ource□	C□R□

□ite I□□	□□□□
□ite □ame□	A□R□ □R□□UCT□ C□M□A□□
□iolation □ate□	□□□□□□□□□□
Citation□	H□C □.□ □□□□□.□□a□□California Health and □afety Code, Chapter □.□, □ection□s□□□□□□.□□a□
□iolation □escription□	Failure to properly dispose of ha□ardous waste at an authori□ed location.
□iolation □otes□	FAI□□□ T□ □I□□□□□ □F H□ □R□□□R□□. H□ MU□T □□ □R□□□R□□ □I□□□□□□. □□□ □ □A□□□ C□□ATI□□R □ ITH □TA□□□□C□□□□ A□H□□I□□ □ A□ F□U□□ TH□ MU□ICI□A□ TRA□H □I□.
□iolation □ivision□	□os Angeles County Fire □epartment
□iolation □rogram□	H□
□iolation □ource□	C□R□

□ite I□□	□□□□
□ite □ame□	A□R□ □R□□UCT□ C□M□A□□
□iolation □ate□	□□□□□□□□□□
Citation□	H□C □.□□ Multiple □California Health and □afety Code, Chapter □.□□, □ection□s□Multiple
□iolation □escription□	Ha□□ aste □enerator □rogram □Administration□□ ocumentation □□ eneral
□iolation □otes□	FAI□□□ T□ □U□MIT HM□□ I□T□ C□R□.
□iolation □ivision□	□os Angeles County Fire □epartment
□iolation □rogram□	H□
□iolation □ource□	C□R□

□ite I□□	□□□□
□ite □ame□	A□R□ □R□□UCT□ C□M□A□□
□iolation □ate□	□□□□□□□□□□
Citation□	□□ CCR □□ □□□□□.□□□f□□California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□.□□□f□
□iolation □escription□	Failure to properly la□el ha□ardous waste accumulation containers with the following re□uirements□□Ha□ardous □ aste□ name and address of the generator, physical and chemical characteristics of the Ha□ardous

AERO PRODUCTS CO (Continued) **S113092265**

□ aste, and starting accumulation date.

□iolation □otes□ FAI□□□ T□ □R□□□R□□ □A□□□ A□□ H□ C□□TAI□□R□ □ ITH R□□UIR□□ I□F□RMATI□□.
□iolation □ivision□ □os Angeles County Fire □epartment
□iolation □rogram□ H□
□iolation □ource□ C□R□

□ite I□□ □□□□
□ite □ame□ A□R□ □R□□UCT□ C□M□A□□
□iolation □ate□ □□□□□□□□□□□
Citation□ H□C □.□□ Multiple □California Health and □afety Code, Chapter □.□□,
□ection□s□Multiple
□iolation □escription□ Ha□□ aste □enerator □rogram □□ perations□Maintenance □□eneral
□iolation □otes□ FAI□□□ T□ □A□□□ HM. HA□AR□□U□ MAT□RIA□□ MU□T □□ □R□□□R□□ □A□□□□□ □MA□□
C□□ATI□□R□ □ ITH □□□□□□T A□□ A□H□□I□□ MI□TUR□□ AR□ □□ □A□□□□□.
□iolation □ivision□ □os Angeles County Fire □epartment
□iolation □rogram□ H□
□iolation □ource□ C□R□

□valuation□
□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□
□iolations Found□ □es
□val Type□ Routine done □y local agency
□val □otes□ I□□□□CT□□ □□ M. C□R□A□T□□ C□□□□□T □I□□□ □□ □H□RR□ □I□□A□□AC□
□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ H□
□val □ource□ C□R□

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□
□iolations Found□ □o
□val Type□ Routine done □y local agency
□val □otes□ □herry □illal□a□o, □roduction Manager
□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ H□
□val □ource□ C□R□

□nforcement Action□
□ite I□□ □□□□
□ite □ame□ A□R□ □R□□UCT□ C□M□A□□
□ite Address□ □□□ □ R□□□CRA□□ A□□
□ite City□ □□ □ A□□□□□□
□ite □ip□ □□□□□
□nf Action □ate□ □□□□□□□□□□□
□nf Action Type□ □otice of □iolation □Unified □rogram□
□nf Action □escription□ □otice of □iolation Issued □y the Inspector at the Time of Inspection
□nf Action □otes□ □ot reported
□nf Action □ivision□ □os Angeles County Fire □epartment
□nf Action □rogram□ H□
□nf Action □ource□ C□R□

Coordinates□
□ite I□□ □□□□
Facility □ame□ A□R□ □R□□UCT□ C□M□A□□
□nv Int Type Code□ H□ □
□rogram I□□ □□□□□□□□

AERO PRODUCTS CO (Continued) **S113092265**

Coord □ame□ □ot reported
Ref □oint Type □esc□ Center of a facility or station.
□atitude□ □□.□□□□□□□
□ongitude□ □□□□.□□□□□□□

Affiliation□
Affiliation Type □esc□ Facility Mailing Address
□ntity □ame□ Mailing Address
□ntity Title□ □ot reported
Affiliation Address□ □□□ □ R□□□CRA□□ A□
Affiliation City□ □□ □ A□□□□□□
Affiliation □tate□ CA
Affiliation Country□ □ot reported
Affiliation □ip□ □□□□□
Affiliation □hone□ □ot reported

Affiliation Type □esc□ □arent Corporation
□ntity □ame□ A□R□ □R□□UCT□ C□M□A□□
□ntity Title□ □ot reported
Affiliation Address□ □ot reported
Affiliation City□ □ot reported
Affiliation □tate□ □ot reported
Affiliation Country□ □ot reported
Affiliation □ip□ □ot reported
Affiliation □hone□ □ot reported

Affiliation Type □esc□ CU□A □istrict
□ntity □ame□ □os Angeles City Fire □epartment
□ntity Title□ □ot reported
Affiliation Address□ □□□ □orth Main □treet, Room □□□□
Affiliation City□ □os Angeles
Affiliation □tate□ CA
Affiliation Country□ □ot reported
Affiliation □ip□ □□□□□
Affiliation □hone□ □□□□□□□□□□□□□□

Affiliation Type □esc□ □egal □wner
□ntity □ame□ A□R□ □R□□UCT□ C□M□A□□ I□C
□ntity Title□ □ot reported
Affiliation Address□ □□□ □. Rosecrans Ave
Affiliation City□ □os Angeles
Affiliation □tate□ CA
Affiliation Country□ United □tates
Affiliation □ip□ □□□□□
Affiliation □hone□ □□□□□□□□□□□□□□

Affiliation Type □esc□ □perator
□ntity □ame□ Aero □roducts Co
□ntity Title□ □ot reported
Affiliation Address□ □ot reported
Affiliation City□ □ot reported
Affiliation □tate□ □ot reported
Affiliation Country□ □ot reported
Affiliation □ip□ □ot reported
Affiliation □hone□ □□□□□□□□□□□□□□

Affiliation Type □esc□ □nvironmental Contact

AERO PRODUCTS CO (Continued) **S113092265**

□ntity □ame□ □ illiam □allard
□ntity Title□ □ot reported
Affiliation Address□ □□□ □ R□ □□CRA□□ A□□
Affiliation City□ □□ □ A□□ □□□□
Affiliation □tate□ CA
Affiliation Country□ □ot reported
Affiliation □ip□ □□□□□
Affiliation □hone□ □ot reported

HA□□□T□
□ame□ A□R□ □R□ □UCT□ C□
Address□ □□□ □ R□ □□CRA□□ A□□
Address □□ □ot reported
City,□tate,□ip□ □□ □ A□□ □□□□, CA □□□□□□□□□
Contact□ □□ I□HT □AIR□
Telephone□ □□□□□□□□□□
Mailing □ame□ □ot reported
Mailing Address□ □□□ □ R□ □□CRA□□ A□□

□ear□ □□□□
□epaid□ CA□□□□□□□□□□□
T□□ □□A I□□ CA□□□□□□□□□□□
CA □ aste Code□ □□□ □Unspecified solvent mi□ture
□isposal Method□ H□□ □Transfer □tation
Tons□ □.□□

□ear□ □□□□
□epaid□ CA□□□□□□□□□□□
T□□ □□A I□□ CA□□□□□□□□□□□
CA □ aste Code□ □□□ □□aint sludge
□isposal Method□ H□□ □Transfer □tation
Tons□ □.□□□□

□ear□ □□□□
□epaid□ CA□□□□□□□□□□□
T□□ □□A I□□ CA□□□□□□□□□□□
CA □ aste Code□ □□□ □□ aste oil and mi□ed oil
□isposal Method□ R□□ □Recycler
Tons□ □.□□□

□ear□ □□□□
□epaid□ CA□□□□□□□□□□□
T□□ □□A I□□ CA□□□□□□□□□□□
CA □ aste Code□ □□□ □Unspecified solvent mi□ture
□isposal Method□ H□□ □Transfer □tation
Tons□ □.□□□

Additional Info□
□ear□ □□□□
□en □□A I□□ CA□□□□□□□□□□□

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□

AERO PRODUCTS CO (Continued) **S113092265**

Manifest I□□	□□□□□□□□
Trans □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	CA□ □□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified solvent mi□ture
RCRA Code□	□ □□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ aste oil and mi□ed oil
RCRA Code□	□ot reported
Meth Code□	R□□ □Recycler
□uantity Tons□	□.□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	CA□ □□□□□□□□□□
T□□F Alt □ame□	□ot reported

AERO PRODUCTS CO (Continued) **S113092265**

□ aste Code □escription□ □□□ □□aint sludge
RCRA Code□ □ot reported
Meth Code□ H□□ □Transfer □tation
□uantity Tons□ □.□□□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

Additional Info□
□ear□ □□□□
□en □□A I□□ CA□□□□□□□□□□□

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ CA□□□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CA□□□□□□□□□□□
Trans □ame□ □ot reported
T□□F Alt □□A I□□ CA□□□□□□□□□□□
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □Unspecified solvent mi□ture
RCRA Code□ □□□□
Meth Code□ H□□ □Transfer □tation
□uantity Tons□ □.□□
□ aste □uantity□ □□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

H□ T□□
□ame□ A□R□ □R□□UCT□ C□
Address□ □□□ □ R□□□CRA□□ A□□
Address □□ □ot reported
City,□tate,□ip□ □□ □ A□□□□□□, CA □□□□□□□□□□
□□A I□□ CA□□□□□□□□□□□
Inactive □ate□ □ot reported
Create □ate□ □□□□□□□□□□
□ast Act □ate□ □□□□□□□□□□
Mailing □ame□ □ot reported
Mailing Address□ □□□ □ R□□□CRA□□ A□□
Mailing Address □□ □ot reported
Mailing City,□tate,□ip□ □□ □ A□□□□□□, CA □□□□□□□□□□
□wner □ame□ A□R□ □R□□UCT□ C□M□A□□
□wner Address□ □□□ □ R□□□CRA□□ A□□
□wner Address □□ □ot reported

AERO PRODUCTS CO (Continued) **S113092265**

□wner City,□tate,□ip□	□□ □ A□□ □□□□, CA □□□□□□□□□□
Contact □ame□	□ I□□IAM □ □□H□□□□
Contact Address□	□□□ □ R□□□CRA□□ A□□
Contact Address □□	□ot reported
City,□tate,□ip□	□□ □ A□□ □□□□, CA □□□□□□

□AIC□□

□□A I□□	CA□□□□□□□□□□□□
Create □ate□	□□□□□□□□□□ □□□□□□□□
□AIC□ Code□	□□□□□□
□AIC□ □escription□	Fluid □ower □alve and Hose Fitting Manufacturing
Issued □□A I□ □ate□	□□□□□□□□□□ □□□□□□□□
Inactive □ate□	□ot reported
Facility □ame□	A□R□ □R□□UCT□ C□
Facility Address□	□□□ □ R□□□CRA□□ A□□
Facility Address □□	□ot reported
Facility City□	□□ □ A□□ □□□□
Facility County□	□□
Facility □tate□	CA
Facility □ip□	□□□□□□□□□

B15 **AERO PRODUCTS CO** **RCRA NonGen / NLR** **1024796372**
NW **815 E ROSECRANS AVE** **CAL000175199**
< 1/8 **LOS ANGELES, CA 90059**
0.057 mi.
299 ft. **Site 2 of 8 in cluster B**

Relative:
Higher

Actual:
116 ft.

RCRA □on□en □□□R□

□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□.□

Facility name□	A□R□ □R□□UCT□ C□
Facility address□	□□□ □ R□□□CRA□□ A□□
	□□ □ A□□ □□□□, CA □□□□□□□□□□
□□A I□□	CA□□□□□□□□□□□
Contact□	MARTHA TA□□□R
Contact address□	□□□ □ R□□□CRA□□ A□□
	□□ □ A□□ □□□□, CA □□□□□□
Contact country□	□ot reported
Contact telephone□	□□□□□□□□□□□□
Contact email□	A□MI□□ A□R□□R□□UCT□C□.C□M
□□A Region□	□□
Classification□	□on□□enerator
□escription□	Handler□□on□□enerators do not presently generate ha□ardous waste

□wner□□perator □ummary□

□wner□operator name□	A□R□ □R□□UCT□ C□M□A□□
□wner□operator address□	□□□ □ R□□□CRA□□ A□□
	□□ □ A□□ □□□□, CA □□□□□□
□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□ther
□wner□□perator Type□	□wner
□wner□□p start date□	□ot reported
□wner□□p end date□	□ot reported

AERO PRODUCTS CO (Continued) **1024796372**

□wner□operator name□	MARTHA TA□□□ R
□wner□operator address□	□□□ □ R□ □□CRA□□ A□□
	□□ □ A□ □□□□□, CA □□□□□
□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□ther
□wner□□□perator Type□	□perator
□wner□□□p start date□	□ot reported
□wner□□□p end date□	□ot reported

Handler Activities □ummary□

U.□. importer of ha□ardous waste□	□o
Mi□ed waste □ha□. and radioactive□□	□o
Recycler of ha□ardous waste□	□o
Transporter of ha□ardous waste□	□o
Treater, storer or disposer of H□ □	□o
Underground in□ection activity□	□o
□n□site □urner e□emption□	□o
Furnace e□emption□	□o
Used oil fuel □urner□	□o
Used oil processor□	□o
User oil refiner□	□o
Used oil fuel marketer to □urner□	□o
Used oil □pecification marketer□	□o
Used oil transfer facility□	□o
Used oil transporter□	□o

□iolation □tatus□ □o violations found

B16 **UNITED PARCEL SERVICE INC** **CERS HAZ WASTE** **S121452907**
NNW **1430 N MCKINLEY AVE** **HAZNET** **N/A**
< 1/8 **COMPTON, CA 90059** **NPDES**
0.057 mi. **CIWQS**
300 ft. **Site 3 of 8 in cluster B** **CERS**
HWTS

Relative:
Higher

Actual:
115 ft.

C□R□ HA□ □ A□T□□

□ame□	U□□□C□ M□T□□ HU□
Address□	□□□□ □ MC□I□□□□ A□□
City,□tate,□ip□	C□ M□T□□, CA □□□□□
□ite I□□	□□□□□□□
C□R□ I□□	□□□□□□□□□
C□R□ □escription□	Ha□ardous □ aste □enerator

HA□□□T□

□ame□	U□IT□□ □ARC□□ □□R□IC□ I□C
Address□	□□□□ □ MC□I□□□□ A□□
Address □□	□ot reported
City,□tate,□ip□	C□ M□T□□, CA □□□□□□□□□□
Contact□	□HA□□ □IM□□□□
Telephone□	□□□□□□□□□□□
Mailing □ame□	□ot reported
Mailing Address□	□□□□ □ □□R□□□ □T

□ear□ □□□□

UNITED PARCEL SERVICE INC (Continued) **S121452907**

□epaid□ CAR□□□□□□□□□□
T□□ □□A I□□ CA□ □□□□□□□□□□
CA □ aste Code□ □□□ □□ ff□specification, aged or surplus inorganics
□isposal Method□ H□□□ □□torage, □ulking, And□□ r Transfer □ ff □ite□□□ o
Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
Tons□ □.□□□□□

□ear□ □□□□
□epaid□ CAR□□□□□□□□□□
T□□ □□A I□□ CAT□□□□□□□□□□
CA □ aste Code□ □□□ □□ ff□specification, aged or surplus organics
□isposal Method□ H□□□ □□torage, □ulking, And□□ r Transfer □ ff □ite□□□ o
Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
Tons□ □.□□□□□

□ear□ □□□□
□epaid□ CAR□□□□□□□□□□
T□□ □□A I□□ CA□ □□□□□□□□□□
CA □ aste Code□ □□□ □□ther organic solids
□isposal Method□ H□□□ □□torage, □ulking, And□□ r Transfer □ ff □ite□□□ o
Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
Tons□ □.□□□□□

□ear□ □□□□
□epaid□ CAR□□□□□□□□□□
T□□ □□A I□□ CA□ □□□□□□□□□□
CA □ aste Code□ □□□ □Unspecified organic li□uid mi□ture
□isposal Method□ H□□□ □□olvents Recovery
Tons□ □.□□□□□

□ear□ □□□□
□epaid□ CAR□□□□□□□□□□
T□□ □□A I□□ CA□ □□□□□□□□□□
CA □ aste Code□ □□□ □□ ff□specification, aged or surplus organics
□isposal Method□ H□□□ □Fuel □lending □rior To □nergy Recovery At Another □ite
Tons□ □.□□□□□

□ear□ □□□□
□epaid□ CAR□□□□□□□□□□
T□□ □□A I□□ CA□ □□□□□□□□□□
CA □ aste Code□ □□□ □□ ff□specification, aged or surplus organics
□isposal Method□ H□□□ □□torage, □ulking, And□□ r Transfer □ ff □ite□□□ o
Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
Tons□ □.□□□□□

□ear□ □□□□
□epaid□ CAR□□□□□□□□□□
T□□ □□A I□□ CA□ □□□□□□□□□□
CA □ aste Code□ □□□ □Unspecified oil□containing waste
□isposal Method□ H□□□ □Fuel □lending □rior To □nergy Recovery At Another □ite
Tons□ □.□□□□□

□ear□ □□□□
□epaid□ CAR□□□□□□□□□□
T□□ □□A I□□ CA□ □□□□□□□□□□
CA □ aste Code□ □□□ □□ aste oil and mi□ed oil
□isposal Method□ H□□□ □Fuel □lending □rior To □nergy Recovery At Another □ite

UNITED PARCEL SERVICE INC (Continued) **S121452907**

Tons .

ear
epaid CAR
T A I CA
CA aste Code ff specification, aged or surplus inorganics
isposal Method H Fuel lending rior To nergy Recovery At Another ite
Tons .

ear
epaid CAR
T A I CA
CA aste Code iquids with pH
isposal Method H torage, ulking, And r Transfer ff ite o
Treatment Reovery H H r H H
Tons .

Click this hyperlink while viewing on your computer to access
additional CA HA T record s in the R ite Report.

Additional Info
ear
en A I

hipment ate
Creation ate
Receipt ate
Manifest I
Trans A I
Trans ame IA T CH ICA UTI
Trans A I ot reported
Trans ame ot reported
T F A I CA
Trans ame IA T CH ICA UTI C
T F Alt A I ot reported
T F Alt ame ot reported
aste Code escription ff specification, aged, or surplus organics
RCRA Code
Meth Code H torage, ulking, And r Transfer ff ite o
Treatment Reovery H H r H H
uantity Tons .
aste uantity
uantity Unit
Additional Code ot reported
Additional Code ot reported
Additional Code ot reported
Additional Code ot reported
Additional Code ot reported

hipment ate
Creation ate
Receipt ate
Manifest I
Trans A I
Trans ame IA T CH ICA UTI
Trans A I ot reported

UNITED PARCEL SERVICE INC (Continued) **S121452907**

Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□□
Trans □ame□	□□□□IA □□ T□CH□ICA□ □□□UTI□ □□□ □□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ ff□specification, aged, or surplus organics
RCRA Code□	□□□□
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ ff □ite□□□ o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□ot reported
Receipt □ate□	□ot reported
Manifest I□□	□□□□□□□□□□□□□□
Trans □□A I□□	□□□ □□□□□□□□□□
Trans □ame□	□□□□IA □□ T□CH□ICA□ □□□UTI□ □□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□□
Trans □ame□	□□□□IA □□ T□CH□ICA□ □□□UTI□ □□□ □□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ ff□specification, aged, or surplus organics
RCRA Code□	□ot reported
Meth Code□	H□□□ □Fuel □lending □rior To □nergy Recovery At Another □ite
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□ot reported
Receipt □ate□	□ot reported
Manifest I□□	□□□□□□□□□□□□□□
Trans □□A I□□	□□□ □□□□□□□□□□
Trans □ame□	□□□□IA □□ T□CH□ICA□ □□□UTI□ □□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□□
Trans □ame□	□□□□IA □□ T□CH□ICA□ □□□UTI□ □□□ □□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ ff□specification, aged, or surplus organics
RCRA Code□	□ot reported
Meth Code□	H□□□ □Fuel □lending □rior To □nergy Recovery At Another □ite

UNITED PARCEL SERVICE INC (Continued) **S121452907**

□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□ot reported
Receipt □ate□	□ot reported
Manifest I□□	□□□□□□□□□□□□□
Trans □□A I□□	□□□□□□□□□□□□
Trans □ame□	□□□□IA □□ T□CH□ICA□ □□□UTI□□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□□□□IA □□ T□CH□ICA□ □□□UTI□□□ □□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ ff□specification, aged, or surplus organics
RCRA Code□	□ot reported
Meth Code□	H□□□ □Fuel □lending □rior To □nergy Recovery At Another □ite
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□ot reported
Receipt □ate□	□ot reported
Manifest I□□	□□□□□□□□□□□□□
Trans □□A I□□	□□□□□□□□□□□□
Trans □ame□	□□□□IA □□ T□CH□ICA□ □□□UTI□□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□□□□IA □□ T□CH□ICA□ □□□UTI□□□ □□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ ff□specification, aged, or surplus organics
RCRA Code□	□ot reported
Meth Code□	H□□□ □Fuel □lending □rior To □nergy Recovery At Another □ite
□uantity Tons□	□.□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

UNITED PARCEL SERVICE INC (Continued) **S121452907**

□hipment □ate□	□□□□□□□□
Creation □ate□	□ot reported
Receipt □ate□	□ot reported
Manifest I□□	□□□□□□□□□□□□□
Trans □□A I□□	□□□ □□□□□□□□□□
Trans □ame□	□□□□IA □□ T□CH□ICA□ □□□UTI□ □□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□□□□IA □□ T□CH□ICA□ □□□UTI□ □□ □□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ff□specification, aged, or surplus inorganics
RCRA Code□	□ot reported
Meth Code□	H□□□ □Fuel □lending □rior To □nergy Recovery At Another □ite
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□ □□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□□
Trans □□A I□□	□□□ □□□□□□□□□□
Trans □ame□	□□□□IA □□ T□CH□ICA□ □□□UTI□ □□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□□□□IA □□ T□CH□ICA□ □□□UTI□ □□ □□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ff□specification, aged, or surplus organics
RCRA Code□	□□□□
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□ o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□ □□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□□
Trans □□A I□□	□□□ □□□□□□□□□□
Trans □ame□	□□□□IA □□ T□CH□ICA□ □□□UTI□ □□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported

UNITED PARCEL SERVICE INC (Continued) **S121452907**

T F A I	CA
Trans ame	IA T CH ICA UTI C
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	ff specification, aged, or surplus organics
RCRA Code	ot reported
Meth Code	H Fuel lending rior To nergy Recovery At Another ite
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	ot reported
Receipt ate	ot reported
Manifest I	
Trans A I	
Trans ame	IA T CH ICA UTI
Trans A I	ot reported
Trans ame	ot reported
T F A I	CA
Trans ame	IA T CH ICA UTI C
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	ff specification, aged, or surplus organics
RCRA Code	ot reported
Meth Code	H Fuel lending rior To nergy Recovery At Another ite
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported

ame	U C M T CAC T
Address	MC I A U
City, tate, ip	C M T , CA
Facility tatus	ot reported
um er	ot reported
Region	ot reported
Agency um er	ot reported
Regulatory Measure I	ot reported
lace I	ot reported
rder um er	ot reported
I	I
Regulatory Measure Type	Industrial
rogram Type	ot reported
Adoption ate f Regulatory Measure	ot reported
ffective ate f Regulatory Measure	ot reported
Termination ate f Regulatory Measure	ot reported

UNITED PARCEL SERVICE INC (Continued) **S121452907**

□□piration □ate □f Regulatory Measure□	□ot reported
□ischarge Address□	□ot reported
□ischarge □ame□	□ot reported
□ischarge City□	□ot reported
□ischarge □tate□	□ot reported
□ischarge □ip□	□ot reported
□tatus□	Active
□tatus □ate□	□□□□□□□□□□□□
□perator □ame□	United □arcel □ervice
□perator Address□	□□□□ □ □lympic □lvd
□perator City□	□os Angeles
□perator □tate□	California
□perator □ip□	□□□□□

□□□□ as of □□□□□□□□

□□□□ □um□er□	CA□□□□□□□
□tatus□	Active
Agency □um□er□	□
Region□	□
Regulatory Measure I□□	□□□□□□
□rder □um□er□	□□□□□□□□ □ □
Regulatory Measure Type□	□nrollee
□lace I□□	□ot reported
□ □I□□	□ □□I□□□□□□
□rogram Type□	Industrial
Adoption □ate □f Regulatory Measure□	□ot reported
□ffective □ate □f Regulatory Measure□	□□□□□□□□□□
□□piration □ate □f Regulatory Measure□	□ot reported
Termination □ate □f Regulatory Measure□	□ot reported
□ischarge □ame□	United □arcel □ervice
□ischarge Address□	□□□□ □ □lympic □lvd
□ischarge City□	□os Angeles
□ischarge □tate□	California
□ischarge □ip□	□□□□□
Received □ate□	□ot reported
□rocessed □ate□	□ot reported
□tatus□	□ot reported
□tatus □ate□	□ot reported
□lace □i□e□	□ot reported
□lace □i□e Unit□	□ot reported
Contact□	□ot reported
Contact Title□	□ot reported
Contact □hone□	□ot reported
Contact □hone □□t□	□ot reported
Contact □mail□	□ot reported
□perator □ame□	□ot reported
□perator Address□	□ot reported
□perator City□	□ot reported
□perator □tate□	□ot reported
□perator □ip□	□ot reported
□perator Contact□	□ot reported
□perator Contact Title□	□ot reported
□perator Contact □hone□	□ot reported
□perator Contact □hone □□t□	□ot reported
□perator Contact □mail□	□ot reported
□perator Type□	□ot reported
□eveloper□	□ot reported
□eveloper Address□	□ot reported

UNITED PARCEL SERVICE INC (Continued) **S121452907**

□eveloper City□	□ot reported
□eveloper □tate□	□ot reported
□eveloper □ip□	□ot reported
□eveloper Contact□	□ot reported
□eveloper Contact Title□	□ot reported
Constype □inear Utility Ind□	□ot reported
□mergency □hone□	□ot reported
□mergency □hone □□t□	□ot reported
Constype A□ove □round Ind□	□ot reported
Constype □elow □round Ind□	□ot reported
Constype Ca□le □ine Ind□	□ot reported
Constype Comm □ine Ind□	□ot reported
Constype Commertial Ind□	□ot reported
Constype □lectrical □ine Ind□	□ot reported
Constype □as □ine Ind□	□ot reported
Constype Industrial Ind□	□ot reported
Constype □ther □escription□	□ot reported
Constype □ther Ind□	□ot reported
Constype Recons Ind□	□ot reported
Constype Residential Ind□	□ot reported
Constype Transport Ind□	□ot reported
Constype Utility □escription□	□ot reported
Constype Utility Ind□	□ot reported
Constype □ ater □ewer Ind□	□ot reported
□ir □ischarge Uswater Ind□	□ot reported
Receiving □ ater □ame□	□ot reported
Certifier□	□ot reported
Certifier Title□	□ot reported
Certification □ate□	□ot reported
□rimary □ic□	□ot reported
□econdary □ic□	□ot reported
Tertiary □ic□	□ot reported

□ame□	U□□ C□ M□T□□ CAC□T
Address□	□□□□ □ MC□I□□□□ A□□□U□
City,□tate,□ip□	C□ M□T□□, CA □□□□□
Facility □tatus□	Active
□□□□□ □um□er□	CA□□□□□□□
Region□	□
Agency □um□er□	□
Regulatory Measure I□□	□□□□□□
□lace I□□	□ot reported
□rder □um□er□	□□□□□□□□□ □ □
□ □I□□	□ □□I□□□□□□
Regulatory Measure Type□	□nrollee
□rogram Type□	Industrial
Adoption □ate □f Regulatory Measure□	□ot reported
□ffective □ate □f Regulatory Measure□	□□□□□□□□□□
Termination □ate □f Regulatory Measure□	□ot reported
□□piration □ate □f Regulatory Measure□	□ot reported
□ischarge Address□	□□□□ □ □lympic □lvd
□ischarge □ame□	United □arcel □ervice
□ischarge City□	□os Angeles
□ischarge □tate□	California
□ischarge □ip□	□□□□□
□tatus□	□ot reported

UNITED PARCEL SERVICE INC (Continued) **S121452907**

□tatus □ate□	□ot reported
□perator □ame□	□ot reported
□perator Address□	□ot reported
□perator City□	□ot reported
□perator □tate□	□ot reported
□perator □ip□	□ot reported

□□□□□ as of □□□□□□□□

□□□□□ □um□er□	CA□□□□□□□□
□tatus□	Active
Agency □um□er□	□
Region□	□
Regulatory Measure I□□	□□□□□□□
□rder □um□er□	□□□□□□□□□□ □ □
Regulatory Measure Type□	□nrollee
□lace I□□	□ot reported
□ □I□□	□ □□I□□□□□□□
□rogram Type□	Industrial
Adoption □ate □f Regulatory Measure□	□ot reported
□ffective □ate □f Regulatory Measure□	□□□□□□□□□□□□
□□piration □ate □f Regulatory Measure□	□ot reported
Termination □ate □f Regulatory Measure□	□ot reported
□ischarge □ame□	United □arcel □ervice
□ischarge Address□	□□□□ □ □lympic □lvd
□ischarge City□	□os Angeles
□ischarge □tate□	California
□ischarge □ip□	□□□□□
Received □ate□	□ot reported
□rocessed □ate□	□ot reported
□tatus□	□ot reported
□tatus □ate□	□ot reported
□lace □i□e□	□ot reported
□lace □i□e Unit□	□ot reported
Contact□	□ot reported
Contact Title□	□ot reported
Contact □hone□	□ot reported
Contact □hone □□t□	□ot reported
Contact □mail□	□ot reported
□perator □ame□	□ot reported
□perator Address□	□ot reported
□perator City□	□ot reported
□perator □tate□	□ot reported
□perator □ip□	□ot reported
□perator Contact□	□ot reported
□perator Contact Title□	□ot reported
□perator Contact □hone□	□ot reported
□perator Contact □hone □□t□	□ot reported
□perator Contact □mail□	□ot reported
□perator Type□	□ot reported
□eveloper□	□ot reported
□eveloper Address□	□ot reported
□eveloper City□	□ot reported
□eveloper □tate□	□ot reported
□eveloper □ip□	□ot reported
□eveloper Contact□	□ot reported
□eveloper Contact Title□	□ot reported
Constype □inear Utility Ind□	□ot reported
□mergency □hone□	□ot reported

UNITED PARCEL SERVICE INC (Continued) **S121452907**

□mergency □hone □□t□	□ot reported
Constype A□ove □round Ind□	□ot reported
Constype □elow □round Ind□	□ot reported
Constype Ca□le □ine Ind□	□ot reported
Constype Comm □ine Ind□	□ot reported
Constype Commertial Ind□	□ot reported
Constype □lectrical □ine Ind□	□ot reported
Constype □as □ine Ind□	□ot reported
Constype Industrial Ind□	□ot reported
Constype □ther □escription□	□ot reported
Constype □ther Ind□	□ot reported
Constype Recons Ind□	□ot reported
Constype Residential Ind□	□ot reported
Constype Transport Ind□	□ot reported
Constype Utility □escription□	□ot reported
Constype Utility Ind□	□ot reported
Constype □ ater □ewer Ind□	□ot reported
□ir □ischarge Uswater Ind□	□ot reported
Receiving □ ater □ame□	□ot reported
Certifier□	□ot reported
Certifier Title□	□ot reported
Certification □ate□	□ot reported
□rimary □ic□	□ot reported
□econdary □ic□	□ot reported
Tertiary □ic□	□ot reported

CI□ □□□

□ame□	U□□ C□ M□T□□ CAC□T
Address□	□□□□ □ MC□I□□□□ A□□□U□
City,□tate,□ip□	C□ M□T□□, CA □□□□□
Agency□	United □arcel □ervice
Agency Address□	□□□□ □ □lympic □lvd, □os Angeles, CA □□□□□
□lace□□ro□ect Type□	Industrial □Courier □ervices □□cept □y Air
□IC□□AIC□□	□□□□
Region□	□
□rogram□	I□□□T□
Regulatory Measure □tatus□	Active
Regulatory Measure Type□	□torm water industrial
□rder □um□er□	□□□□□□□□□□□□□□
□ □I□□	□ □□I□□□□□□
□□□□□ □um□er□	CA□□□□□□□
Adoption □ate□	□ot reported
□ffective □ate□	□□□□□□□□□□□
Termination □ate□	□ot reported
□□piration□Review □ate□	□ot reported
□esign Flow□	□ot reported
Ma□or□Minor□	□ot reported
Comple□ity□	□ot reported
TT□ □□	□ot reported
□nforcement Actions within □ years□	□
□iolations within □ years□	□
□atitude□	□□.□□□□□□□
□ongitude□	□□□□.□□□□□□□

C□R□□

UNITED PARCEL SERVICE INC (Continued) **S121452907**

ame U C M T CAC T
Address MC I A U
City,tate,ip C M T , CA
ite I
C R I
C R escription Industrial Facility torm ater

Affiliation
Affiliation Type esc wner perator
ntity ame United arcel ervice
ntity Title perator
Affiliation Address lympic lvd
Affiliation City os Angeles
Affiliation tate CA
Affiliation Country ot reported
Affiliation ip
Affiliation hone ot reported

ame U C M T HU
Address MC I A
City,tate,ip C M T , CA
ite I
C R I
C R escription Chemical torage Facilities

iolations
ite I
ite ame U Compton Hu
iolation ate
Citation CCR California Code of Regulations, Title , Chapter , ection s .
iolation escription Failure to la el or mark each individual or container or the designated area of universal waste as re uired. aste atteries shall e marked with Universal aste attery es . Mercury containing e uipment shall e marked with Universal aste Mercury Containing uipment . amps shall e marked with Universal aste amp s . ach electronic devices or the container or the designated area shall e marked with Universal aste lectronic evice s . ach CRTs or the container or the designated area shall e marked with Universal aste CRT s . CRT glass or the designated area shall e marked with Universal aste CRT glass .
iolation otes Returned to compliance on . R ATI wner perator failed to properly la el universal waste. served used atteries stored on top of a pallet near the tank storage area without a U la el. C RR CTI ACTI roperly la el universal waste and su mit statement of compliance and or a photo of the waste la eled properly.
iolation ivision os Angeles County Fire epartment
iolation rogram H
iolation ource C R

ite I
ite ame U Compton Hu
iolation ate
Citation H C . California Health and afety Code, Chapter . , ection s .
iolation escription Failure to annually review and electronically certify that the

UNITED PARCEL SERVICE INC (Continued) **S121452907**

	□usiness plan is complete and accurate on or □efore the annual due date.
□iolation □otes□	Returned to compliance on □□□□□□□□□□. □□□□R□ATI□ □□The □usiness failed to electronically su□mit and certify that the □usiness plan is complete, accurate, and in compliance with □□CRA on or □efore the annual due date. □□□□ California □nvironmental Reporting □ystem □C□R□□ su□mittal was missing□ncomplete□Reviewed C□R□ su□mittals su□mitted on □□□□□□□ and found the following to □e updated on facility's Consolidated □mergency Response □Contingency □lan □C□R□C□□□□ot using the most up□to□date form to complete facility□ s Consolidated □mergency Response □Contingency □lan □C□R□C□□□□ld C□R□C□ form was used □please use attached Rev. □□□□□□□□ C□R□C□ form□□Missing local unified program agency □U□A□CU□A□phone num□er □□□□□□□□□□□□□□□□Info on Facility □ummary page on C□R□ was found not up□to□date□□Facility site map on C□R□ was found not up□to□date□□Inaccurate Ha□ardous Materials □HM□□uantities in the HM inventory□□Truncated□
□iolation □ivision□	□os Angeles County Fire □epartment
□iolation □rogram□	HMRR□
□iolation □ource□	C□R□
□ite I□□	□□□□□□□
□ite □ame□	U□□□Compton Hu□
□iolation □ate□	□□□□□□□□□□□
Citation□	□□ CCR □□ □□□□□□.□ □California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□.□
□iolation □escription□	Failure to manage empty containers greater than □ gallons in capacity that previously held a ha□ardous material□waste in accordance with □□ CCR □□ □□□□□□.□ including □ut not limited to the following□□e□□□□y reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value□or □□□□y reconditioning or re manufacturing the container or inner liner onsite for su□se□uent reuse, or shipping the container or inner liner to a person who reconditions or re□manufactures the container or inner liner□or □□□□y shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to su□sections □e□□□□or □e□□□□of □□ CCR □□ □□□□□□.□□or □□□□y shipping the container or inner liner □ack to the supplier for the purpose of □eing refilled. □f□A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to su□section □e□of □□ CCR □□ □□□□□□.□ shall □e marked with the date it has □een emptied and shall □e managed within one year of □eing emptied.
□iolation □otes□	Returned to compliance on □□□□□□□□□□. □□□□R□ATI□ □□□ne □□□gallon used and empty drum was o□served in the tank storage area without an empty la□el. C□RR□CTI□□ ACTI□ □□□u□mit photos□documentation to this department demonstrating that the empty containers listed a□ove have □een marked with the date they were emptied and are □eing properly managed pursuant to □□ CCR □□ □□□□□□.□.
□iolation □ivision□	□os Angeles County Fire □epartment
□iolation □rogram□	H□
□iolation □ource□	C□R□
□ite I□□	□□□□□□□
□ite □ame□	U□□□Compton Hu□
□iolation □ate□	□□□□□□□□□□□
Citation□	□□ CFR □ □□□□.□□ □U.□. Code of Federal Regulations, Title □□, Chapter

UNITED PARCEL SERVICE INC (Continued) **S121452907**

, ection s.

iolation escription	Failure to maintain aisle space to allow the uno structed movement of personnel, fire protection e uipment, spill control e uipment, and decontamination e uipment to any area of facility operation in an emergency, unless aisle space is not needed for any of these purposes.
iolation otes	Returned to compliance on . R ATI The ha ardous materials storage area storing many compressed gas cylinders located in the south maintenance shop did not have ade uate aisle space allowing for uno structed movement. C RR CTI ACTI u mit photos to the CU A demonstrating that ade uate aisle space has een provided.
iolation ivision	os Angeles County Fire epartment
iolation rogram	H
iolation ource	C R

valuation

val eneral Type	Compliance valuation Inspection
val ate	
iolations Found	es
val Type	Routine done y local agency
val otes	Art Flores, Facility ngineer The owner operator was advised of proper ha ardous waste management, ha ardous materials handling, record keeping, permit payment, and good usiness practices.
val ivision	os Angeles County Fire epartment
val rogram	H
val ource	C R

val eneral Type	Compliance valuation Inspection
val ate	
iolations Found	es
val Type	Routine done y local agency
val otes	Art Flores, Facility ngineer The owner operator was advised to update, review, and su mit any and all information missing in the California nvironmental Reporting ystem C R online system.
val ivision	os Angeles County Fire epartment
val rogram	HMRR
val ource	C R

val eneral Type	ther Unknown
val ate	
iolations Found	o
val Type	ther, not routine, done y local agency
val otes	ot reported
val ivision	os Angeles County Fire epartment
val rogram	HMRR
val ource	C R

val eneral Type	ther Unknown
val ate	
iolations Found	o
val Type	ther, not routine, done y local agency
val otes	ot reported
val ivision	os Angeles County Fire epartment
val rogram	H
val ource	C R

Affiliation

UNITED PARCEL SERVICE INC (Continued) **S121452907**

Affiliation Type □esc□	□nvironmental Contact
□ntity □ame□	□ddie Medina
□ntity Title□	□ot reported
Affiliation Address□	□□□□ □ . □lympic □□□□
Affiliation City□	□os Angeles
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□
Affiliation □hone□	□ot reported

Affiliation Type □esc□	□egal □wner
□ntity □ame□	United □arcel □ervice, Inc.
□ntity Title□	□ot reported
Affiliation Address□	□□ □lenlake □arkway, □□
Affiliation City□	Atlanta
Affiliation □tate□	□A
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□

Affiliation Type □esc□	□ocument □reparer
□ntity □ame□	□ddie Medina
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

Affiliation Type □esc□	Facility Mailing Address
□ntity □ame□	Mailing Address
□ntity Title□	□ot reported
Affiliation Address□	□□□□ □. Mckinley Avenue
Affiliation City□	Compton
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□
Affiliation □hone□	□ot reported

Affiliation Type □esc□	CU□A □istrict
□ntity □ame□	□os Angeles County Fire
□ntity Title□	□ot reported
Affiliation Address□	□□□□ Ricken□acker Road
Affiliation City□	Commerce
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□

Affiliation Type □esc□	Identification □igner
□ntity □ame□	□rinda □haw
□ntity Title□	□resident
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported

UNITED PARCEL SERVICE INC (Continued) **S121452907**

Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported
Affiliation Type □esc□	□roperty □wner
□ntity □ame□	□T□□ H, □□C
□ntity Title□	□ot reported
Affiliation Address□	□□ □lenlake □arkway, □□
Affiliation City□	Atlanta
Affiliation □tate□	□A
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	□perator
□ntity □ame□	United □arcel □ervice, Inc.
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	□arent Corporation
□ntity □ame□	United □arcel □ervice, Inc.
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

H□ T□□

□ame□	U□IT□□ □ARC□□ □□R□IC□ I□C
Address□	□□□□ □ MC□I□□□□ A□□
Address □□	□ot reported
City,□tate,□ip□	C□M□T□□, CA □□□□□
□□A I□□	CAR□□□□□□□□□
Inactive □ate□	□ot reported
Create □ate□	□□□□□□□□□□
□ast Act □ate□	□□□□□□□□□□
Mailing □ame□	TA□ □□□T
Mailing Address□	□□□□ □ □□R□□□ □T
Mailing Address □□	□ot reported
Mailing City,□tate,□ip□	A□AH□IM, CA □□□□□□□□□
□wner □ame□	U□IT□□ □ARC□□ □□R□IC□ I□C
□wner Address□	□□ □□□□□A□□ □□□ □ □□
□wner Address □□	□ot reported
□wner City,□tate,□ip□	AT□A□TA, □A □□□□□□□□□
Contact □ame□	□HA□□ □IM□□□□
Contact Address□	□□□□ □. □□R□□□ □TR□□T
Contact Address □□	□ot reported
City,□tate,□ip□	A□AH□IM, CA □□□□□

□AIC□□

UNITED PARCEL SERVICE INC (Continued) **S121452907**

□□A I□□	CAR□□□□□□□□□□
Create □ate□	□□□□□□□□□□ □□□□□□□□
□AIC□ Code□	□□□□□
□AIC□ □escription□	□ocal Messengers and □ocal □elivery
Issued □□A I□ □ate□	□□□□□□□□□□ □□□□□□□□
Inactive □ate□	□ot reported
Facility □ame□	U□IT□□ □ARC□□ □□R□IC□ I□C
Facility Address□	□□□□ □ MC□I□□□□ A□□
Facility Address □□	□ot reported
Facility City□	C□ M□T□□
Facility County□	□□
Facility □tate□	CA
Facility □ip□	□□□□□

B17 **UNITED PARCEL SERVICE INC** **RCRA-LQG** **1023966794**
NNW **1430 N MCKINLEY AVE** **CAR000274662**
< 1/8 **LOS ANGELES, CA 90059**
0.057 mi.
300 ft. **Site 4 of 8 in cluster B**

Relative:
Higher

Actual:
115 ft.

RCRA□□□ □□

□ate form received □y agency□	□□□□□□□□□□ □□□□□□□□.□
Facility name□	U□IT□□ □ARC□□ □□R□IC□ I□C
Facility address□	□□□□ □ MC□I□□□□ A□□ □□ □ A□□ □□□□, CA □□□□□
□□A I□□	CAR□□□□□□□□□□
Mailing address□	□A□□□ I□ □AR□ □□□□ □A□□□ I□ □AR□, CA □□□□□
Contact□	□IA□CA M MACHUCA
Contact address□	□A□□□ I□ □AR□ □□□□ □A□□□ I□ □AR□, CA □□□□□
Contact country□	U□
Contact telephone□	□□□□□□□□□□□□□
Contact email□	□MACHUCA□ U□□.C□M
□□A Region□	□□
Classification□	□arge □uantity □enerator
□escription□	Handler□generates □,□□□ kg or more of ha□ardous waste during any calendar month□or generates more than □ kg of acutely ha□ardous waste during any calendar month□or generates more than □□□ kg of any residue or contaminated soil, waste or other de□ris resulting from the cleanup of a spill, into or on any land or water, of acutely ha□ardous waste during any calendar month□or generates □ kg or less of acutely ha□ardous waste during any calendar month, and accumulates more than □ kg of acutely ha□ardous waste at any time□or generates □□□ kg or less of any residue or contaminated soil, waste or other de□ris resulting from the cleanup of a spill, into or on any land or water, of acutely ha□ardous waste during any calendar month, and accumulates more than □□□ kg of that material at any time

□wner□□ perator □ummary□

□wner□perator name□	□A □RIC□□AR□ □□C
□wner□perator address□	□ □A□□ A□□ □T□ □□□ □A□A□□□A, CA □□□□□
□wner□perator country□	U□
□wner□perator telephone□	□□□□□□□□□□□□
□wner□perator email□	□ot reported

UNITED PARCEL SERVICE INC (Continued) **1023966794**

□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□rivate
□wner□□perator Type□	□wner
□wner□□p start date□	□□□□□□□□□□□□ □□□□□□□□□□.
□wner□□p end date□	□ot reported
□wner□operator name□	U□□□U□IT□□ □ARC□□ □□R□IC□
□wner□operator address□	□ot reported
	□ot reported
□wner□operator country□	□ot reported
□wner□operator telephone□	□ot reported
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□rivate
□wner□□perator Type□	□perator
□wner□□p start date□	□□□□□□□□□□□□ □□□□□□□□□□.
□wner□□p end date□	□ot reported

Handler Activities □ummary□

U.□. importer of ha□ardous waste□	□o
Mi□ed waste □ha□. and radioactive□□	□o
Recycler of ha□ardous waste□	□o
Transporter of ha□ardous waste□	□o
Treater, storer or disposer of H□ □	□o
Underground in□ection activity□	□o
□n□site □urner e□emption□	□o
Furnace e□emption□	□o
Used oil fuel □urner□	□o
Used oil processor□	□o
User oil refiner□	□o
Used oil fuel marketer to □urner□	□o
Used oil □pecification marketer□	□o
Used oil transfer facility□	□o
Used oil transporter□	□o

Ha□ardous □ aste □ummary□

. □ aste code□ □□□
. □ aste name□ □ff□specification, aged, or surplus inorganics

. □ aste code□ □□□
. □ aste name□ □ther inorganic solid waste

. □ aste code□ □□□
. □ aste name□ □ate□ waste

. □ aste code□ □□□
. □ aste name□ □ff□specification, aged, or surplus organics

. □ aste code□ □□□
. □ aste name□ □ther organic solids

. □ aste code□ □□□
. □ aste name□ □etergent and soap

UNITED PARCEL SERVICE INC (Continued) **1023966794**

. □ aste code□ □□□□
. □ aste name□ I□□ITA□□□ □ A□T□

. □ aste code□ □□□□
. □ aste name□ C□RR□□I□□ □ A□T□

. □ aste code□ □□□□
. □ aste name□ R□ACTI□□ □ A□T□

. □ aste code□ □□□□
. □ aste name□ □ARIUM

. □ aste code□ □□□□
. □ aste name□ □□A□

. □ aste code□ □□□□
. □ aste name□ □I□□□R

. □ aste code□ □□□□
. □ aste name□ □□□□□□□

□iolation □tatus□ □o violations found

B18 **ROSE CLEANERS** **EDR Hist Cleaner** **1009162037**
WNW **812 E ROSECRANS** **N/A**
< 1/8 **COMPTON, CA**
0.061 mi.
323 ft. **Site 5 of 8 in cluster B**

Relative: □□R Hist Cleaner
Higher

Actual: □ear□ □ame□ Type□
116 ft. □□□□ R□□□ C□□A□□R□ C□□TH□□ C□□A□□R□ A□□ □R□□□□R□

B19 **1420 NORTH MCKINLEY AVENUE** **US BROWNFIELDS** **1018272967**
NNW **1420 NORTH MCKINLEY AVENUE** **N/A**
< 1/8 **COMPTON, CA 90059**
0.062 mi.
328 ft. **Site 6 of 8 in cluster B**

Relative: U□ □R□□ □FI□□□□□
Higher

Actual: □ame□ □□□□ □□RTH MC□I□□□□ A□□□U□
115 ft. Address□ □□□□ □□RTH MC□I□□□□ A□□□U□
City,□tate,□ip□ C□M□T□□, CA □□□□□
Recipient □ame□ California □epartment of To□ic □u□stances Control
□rant Type□ □ection □□□□a□□tate□Tri□al
□roperty □um□er□ □□□□□□□□□□□□
□arcel si□e□ □.□
□atitude□ □□.□□□□□□□□
□ongitude□ □□□□.□□□□□□□□
HCM □a□el□ Address Matching□House □um□er
Map □cale□ □
□oint of Reference□ □ntrance □oint of a Facility or □tation
Highlights□ The T□I was conducted to assist the City of Compton □uccessor Agency with assessing the site for redevelopment purposes, including Area □ ide properties. The site sits on □.□ acres of undeveloped□vacant land in a mi□ed residential and commercial □usiness area. The results

1420 NORTH MCKINLEY AVENUE (Continued) **1018272967**

	of the TI demonstrated that C contamination may pose an unacceptale risk to human health under hypothetical residential and or commercial industrial reuse situations, ut that ecause the concentrations are relatively low, continuation of site remediation measures at the adacent Uniform Rental property may reduce C concentrations to acceptale levels.
atum	orth American atum of
Acres roperty I	
IC ata Access	
tart ate	
Redev Completition ate	
Completed ate	
Acres Cleaned Up	
Cleanup Funding	
Cleanup Funding ource	
Assessment Funding	
Assessment Funding ource	A
Redevelopment Funding	
Redev. Funding ource	
Redev. Funding ntity ame	
Redevelopment tart ate	
Assessment Funding ntity	U A tate Tri al ection a Funding
Cleanup Funding ntity	
rant Type	
Accomplishment Type	hase II nvironmental Assessment
Accomplishment Count	
Cooperative Agreement um er	T
tart ate	
wnership ntity	overnment
Completion ate	
Current wner	City of Compton
id wner Change	
Cleanup Re uired	
ideo Availale	
hoto Availale	
Institutional Controls Re uired	
IC Category roprietary Controls	
IC Cat. Info. evices	
IC Cat. ov. Controls	
IC Cat. nforcement ermit Tools	
IC in place date	
IC in place	
tate ri al program date	
tate ri al program I	
tate ri al FA date	
Air cleaned	
As estos found	
As estos cleaned	
Controled su stance found	
Controled su stance cleaned	
rinking water affected	
rinking water cleaned	
roundwater affected	
roundwater cleaned	
ead contaminant found	
ead cleaned up	
o media affected	

ite

ata ase s

1420 NORTH MCKINLEY AVENUE (Continued) **1018272967**

Unknown media affected	
ther cleaned up	
ther metals found	
ther metals cleaned	
ther contaminants found	
ther contams found description	C
AHs found	
AHs cleaned up	
Cs found	
Cs cleaned up	
etro products found	
etro products cleaned	
ediments found	
ediments cleaned	
oil affected	
oil cleaned up	
urface water cleaned	
Cs found	
Cs cleaned	
Cleanup other description	
um. of cleanup and re dev. o s	
ast use greenspace acreage	
ast use residential acreage	
urface ater	
ast use commercial acreage	
ast use industrial acreage	
Future use greenspace acreage	
Future use residential acreage	
Future use commercial acreage	.
Future use industrial acreage	
uperfund Fed. landowner flag	
Arsenic cleaned up	
Cadmium cleaned up	
Chromium cleaned up	
Copper cleaned up	
Iron cleaned up	
mercury cleaned up	
ickel Cleaned Up	
o clean up	
esticides cleaned up	
elenium cleaned up	
Cs cleaned up	
Unknown clean up	
Arsenic contaminant found	
Cadmium contaminant found	
Chromium contaminant found	
Copper contaminant found	
Iron contaminant found	
Mercury contaminant found	
ickel contaminant found	
o contaminant found	
esticides contaminant found	
elenium contaminant found	
Cs contaminant found	
Unknown contaminant found	
Future Use Multistory	
Media affected luiding Material	

1420 NORTH MCKINLEY AVENUE (Continued) **1018272967**

Media affected indoor air	
uilding material media cleaned up	
Indoor air media cleaned up	
Unknown media cleaned up	
ast Use Multistory	
roperty escription	From the s to mid s, the site was vacant and undeveloped. y the mid s, a school was uilt on the site, and additional uildings were uilt in the s. These uildings were soon demolished etween and , and the site has appeared as an undeveloped vacant lot from .
elow overty um er	
elow overty ercent	..
Meidan Income	
Meidan Income um er	
Meidan Income ercent	..
acant Housing um er	
acant Housing ercent	.
Unemployed um er	
Unemployed ercent	..

ame	RTH MC I A U
Address	RTH MC I A U
City,tate,ip	C M T , CA
Recipient ame	California epartment of To ic u stances Control
rant Type	ection a tate Tri al
roperty um er	
arcel si e	.
atitude	..
ongitude	..
HCM a el	Address Matching House um er
Map cale	
oint of Reference	ntrance oint of a Facility or tation
Highlights	The T I was conducted to assist the City of Compton uccessor Agency with assessing the site for redevelopment purposes, including Area ide properties. The site sits on . acres of undeveloped vacant land in a mi ed residential and commercial usiness area. The results of the T I demonstrated that C contamination may pose an unaccepta le risk to human health under hypothetical residential and or commercial industrial re use situations, ut that ecause the concentrations are relatively low, continuation of site remediation measures at the ad acent Uniform Rental property may reduce C concentrations to accepta le levels.
atum	orth American atum of
Acres roperty I	
IC ata Access	
tart ate	
Redev Completition ate	
Completed ate	
Acres Cleaned Up	
Cleanup Funding	
Cleanup Funding ource	
Assessment Funding	
Assessment Funding ource	A
Redevelopment Funding	
Redev. Funding ource	
Redev. Funding ntity ame	
Redevelopment tart ate	

1420 NORTH MCKINLEY AVENUE (Continued) **1018272967**

Assessment Funding ntity	U A tate Tri al ection a Funding
Cleanup Funding ntity	
rant Type	
Accomplishment Type	hase II nvironmental Assessment
Accomplishment Count	
Cooperative Agreement um er	T
tart ate	
wnership ntity	overnment
Completion ate	
Current wner	City of Compton
id wner Change	
Cleanup Re uired	
ideo Availa le	
hoto Availa le	
Institutional Controls Re uired	
IC Category roprietary Controls	
IC Cat. Info. evices	
IC Cat. ov. Controls	
IC Cat. nforcement ermit Tools	
IC in place date	
IC in place	
tate ri al program date	
tate ri al program I	
tate ri al FA date	
Air cleaned	
As estos found	
As estos cleaned	
Controled su stance found	
Controled su stance cleaned	
rinking water affected	
rinking water cleaned	
roundwater affected	
roundwater cleaned	
ead contaminant found	
ead cleaned up	
o media affected	
Unknown media affected	
ther cleaned up	
ther metals found	
ther metals cleaned	
ther contaminants found	
ther contams found description	C
AHs found	
AHs cleaned up	
C s found	
C s cleaned up	
etro products found	
etro products cleaned	
ediments found	
ediments cleaned	
oil affected	
oil cleaned up	
urface water cleaned	
Cs found	
Cs cleaned	
Cleanup other description	
um. of cleanup and re dev. s	

1420 NORTH MCKINLEY AVENUE (Continued) **1018272967**

ast use greenspace acreage	
ast use residential acreage	
urface ater	
ast use commercial acreage	
ast use industrial acreage	
Future use greenspace acreage	
Future use residential acreage	
Future use commercial acreage	.
Future use industrial acreage	
uperfund Fed. landowner flag	
Arsenic cleaned up	
Cadmium cleaned up	
Chromium cleaned up	
Copper cleaned up	
Iron cleaned up	
mercury cleaned up	
ickel Cleaned Up	
o clean up	
esticides cleaned up	
elenium cleaned up	
Cs cleaned up	
Unknown clean up	
Arsenic contaminant found	
Cadmium contaminant found	
Chromium contaminant found	
Copper contaminant found	
Iron contaminant found	
Mercury contaminant found	
ickel contaminant found	
o contaminant found	
esticides contaminant found	
elenium contaminant found	
Cs contaminant found	
Unknown contaminant found	
Future Use Multistory	
Media affected luiding Material	
Media affected indoor air	
uilding material media cleaned up	
Indoor air media cleaned up	
Unknown media cleaned up	
ast Use Multistory	
roperty escription	From the s to mid s, the site was vacant and undeveloped. y the mid s, a school was uilt on the site, and additional uildings were uilt in the s. These uildings were soon demolished etween and , and the site has appeared as an undeveloped vacant lot from .
elow overty um er	
elow overty ercent	.
Meidan Income	
Meidan Income um er	
Meidan Income ercent	.
acant Housing um er	
acant Housing ercent	.
Unemployed um er	
Unemployed ercent	.

B20 **CONTEMPO METAL FURNITURE** **RCRA-SQG** **1000400273**
WNW **777 E ROSECRANS AVE** **FINDS** **CAD008331589**
< 1/8 **LOS ANGELES, CA 90059** **ECHO**
0.064 mi.
336 ft. **Site 7 of 8 in cluster B**

Relative:
Higher

Actual:
117 ft.

RCRA:

Date form received by agency: [illegible]

Facility name:	CONTEMPO METAL FURNITURE
Facility address:	[illegible] R [illegible] CRA [illegible] A [illegible] [illegible] A [illegible], CA [illegible]
EPA ID:	CA[illegible]
Mailing address:	[illegible] [illegible] A [illegible], CA [illegible]
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	[illegible]
Classification:	Small Small Quantity Generator
Description:	Handler generates more than [illegible] and less than [illegible] kg of hazardous waste during any calendar month and accumulates less than [illegible] kg of hazardous waste at any time; or generates [illegible] kg or less of hazardous waste during any calendar month, and accumulates more than [illegible] kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	[illegible] T R [illegible] UIR [illegible]
Owner/operator address:	[illegible] T R [illegible] UIR [illegible] [illegible] T R [illegible] UIR [illegible], M [illegible]
Owner/operator country:	Not reported
Owner/operator telephone:	[illegible]
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	MR [illegible] I [illegible] HU [illegible] T R
Owner/operator address:	[illegible] T R [illegible] UIR [illegible] [illegible] T R [illegible] UIR [illegible], M [illegible]
Owner/operator country:	Not reported
Owner/operator telephone:	[illegible]
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No

CONTEMPO METAL FURNITURE (Continued) **1000400273**

Recycler of ha□ardous waste□	□o
Transporter of ha□ardous waste□	□o
Treater, storer or disposer of H□ □	□o
Underground in□ection activity□	□o
□n□site □urner e□emption□	□o
Furnace e□emption□	□o
Used oil fuel □urner□	□o
Used oil processor□	□o
User oil refiner□	□o
Used oil fuel marketer to □urner□	□o
Used oil □pecification marketer□	□o
Used oil transfer facility□	□o
Used oil transporter□	□o

Historical □enerators□
□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□.□
□ite name□ C□□T□M□□ M□TA□ FUR□ITUR□
Classification□ □arge □uantity □enerator

□iolation □tatus□ □o violations found

FI□□□□
Registry I□□ □□□□□□□□□□□□

Click Here□

□nvironmental Interest□Information □ystem□
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 ha□ardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities re□uired under RCRA.

Click this hyperlink while viewing on your computer to access additional FI□□□□detail in the □□R □ite Report.

□CH□□
□nvid□ □□□□□□□□□□□
Registry I□□ □□□□□□□□□□□□□
□FR UR□□ http□□ll□echo.epa.gov□detailed□facility□report□fid□□□□□□□□□□□□□□□
□ame□ C□□T□M□□ M□TA□ FUR□ITUR□
Address□ □□□ □ R□□□CRA□□ A□□
City,□tate,□ip□ □□ □ A□□□□□□□, CA □□□□□

C21 **BFI COMPTON SOLID WASTE TRANSFER STATION** **RCRA NonGen / NLR** **1024783194**
NNE **2509 W ROSECRANS AVE** **CAD981653470**
< 1/8 **LOS ANGELES, CA 90059**
0.093 mi.
491 ft. **Site 1 of 7 in cluster C**

Relative: RCRA □on□en □□□R□
Higher □ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□.□
Actual: Facility name□ □FI C□M□T□□ □□□I□ □ A□T□ TRA□□F□R □TATI□□
113 ft. Facility address□ □□□□ □ R□□□CRA□□ A□□
□□ □ A□□□□□□, CA □□□□□□□□□□
□□A I□□ CA□□□□□□□□□□
Mailing address□ □□□□ □ R□□□CRA□□ A□□□U□
□AR□□□A, CA □□□□□□□□□□

BFI COMPTON SOLID WASTE TRANSFER STATION (Continued) **1024783194**

Contact□	□□□□□ □□□□□□
Contact address□	□□□□□ □A□ F□R□A□□□ R□A□ □□□MAR, CA □□□□□
Contact country□	□ot reported
Contact telephone□	□□□□□□□□□□□□
Contact email□	□□□□□□□□ R□□U□□IC□□R□IC□□.C□M
□□A Region□	□□
Classification□	□on□□ enerator
□escription□	Handler□□ on□□ enerators do not presently generate ha□ardous waste

□wner□□ perator □ummary□

□wner□perator name□	C□□□□□I□AT□□ □I□□□□A□□□C □□C
□wner□perator address□	□□□□□ A□□I□□ □ A□ □H□ □□I□, A□ □□□□□
□wner□perator country□	□ot reported
□wner□perator telephone□	□□□□□□□□□□□□
□wner□perator email□	□ot reported
□wner□perator fa□□	□ot reported
□wner□perator e□tension□	□ot reported
□egal status□	□ther
□wner□□ perator Type□	□wner
□wner□□ p start date□	□ot reported
□wner□□ p end date□	□ot reported

□wner□perator name□	□□□□□ □□□□□□
□wner□perator address□	□□□□□ □A□ F□R□A□□□ R□A□ □□□MAR, CA □□□□□
□wner□perator country□	□ot reported
□wner□perator telephone□	□□□□□□□□□□□□
□wner□perator email□	□ot reported
□wner□perator fa□□	□ot reported
□wner□perator e□tension□	□ot reported
□egal status□	□ther
□wner□□ perator Type□	□perator
□wner□□ p start date□	□ot reported
□wner□□ p end date□	□ot reported

Handler Activities □ummary□

U.□. importer of ha□ardous waste□	□o
Mi□ed waste □ha□. and radioactive□□	□o
Recycler of ha□ardous waste□	□o
Transporter of ha□ardous waste□	□o
Treater, storer or disposer of H□ □	□o
Underground in□ection activity□	□o
□n□site □urner e□emption□	□o
Furnace e□emption□	□o
Used oil fuel □urner□	□o
Used oil processor□	□o
User oil refiner□	□o
Used oil fuel marketer to □urner□	□o
Used oil □pecification marketer□	□o
Used oil transfer facility□	□o
Used oil transporter□	□o

□iolation □tatus□ □o violations found

C22 **CVS HEALTH** **RCRA NonGen / NLR** **1024768027**
NNE **2509 W ROSECRANS AVE** **CAC002987907**
< 1/8 **LOS ANGELES, CA 90059**
0.093 mi.
491 ft. **Site 2 of 7 in cluster C**

Relative:
Higher

Actual:
113 ft.

RCRA □on□en □□R□

□ate form received □y agency□□□□□□□□□□ □□□□□□□□.□

Facility name□	C□□ H□A□TH
Facility address□	□□□□ □ R□□□CRA□□ A□□ □□ □ A□□□□□□, CA □□□□□□
□□A I□□	CAC□□□□□□□□□□
Mailing address□	□ C□□ □RI□□ □ □□□□□□ C□□T, RI □□□□□□
Contact□	□IC□□□ □ I□□I□□□□
Contact address□	□ C□□ □RI□□ □ □□□□□□ C□□T, RI □□□□□□
Contact country□	□ot reported
Contact telephone□	□□□□□□□□□□□□□
Contact email□	□IC□□□.□ I□□I□□□□□ C□□H□A□TH.C□M
□□A Region□	□□
Classification□	□on□□enerator
□escription□	Handler□□ on□□enerators do not presently generate ha□ardous waste

□wner□□perator □ummary□

□wner□operator name□	□IC□□□ □ I□□I□□□□
□wner□operator address□	□ C□□ □RI□□ □ □□□□□□ C□□T, RI □□□□□□
□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□□
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□ther
□wner□□perator Type□	□perator
□wner□□p start date□	□ot reported
□wner□□p end date□	□ot reported

□wner□operator name□	C□□ H□A□TH
□wner□operator address□	□ C□□ □RI□□ □ □□□□□□ C□□T, RI □□□□□□
□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□□
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□ther
□wner□□perator Type□	□wner
□wner□□p start date□	□ot reported
□wner□□p end date□	□ot reported

Handler Activities □ummary□

U.□. importer of ha□ardous waste□	□o
Mi□ed waste □ha□. and radioactive□□	□o
Recycler of ha□ardous waste□	□o
Transporter of ha□ardous waste□	□o
Treater, storer or disposer of H□ □	□o
Underground in□ection activity□	□o

CVS HEALTH (Continued) **1024768027**

□n□site □urner e□emption□	□o
Furnace e□emption□	□o
Used oil fuel □urner□	□o
Used oil processor□	□o
User oil refiner□	□o
Used oil fuel marketer to □urner□	□o
Used oil □pecification marketer□	□o
Used oil transfer facility□	□o
Used oil transporter□	□o

□iolation □tatus□ □o violations found

C23 **COMPTON TRANSFER STATION** **CERS HAZ WASTE** **S104581392**
NNE **2509 W ROSECRANS AVE** **CERS TANKS** **N/A**
< 1/8 **LOS ANGELES, CA 90059** **NPDES**
0.093 mi. **CIWQS**
491 ft. **Site 3 of 7 in cluster C** **CERS**

Relative: **Higher**
Actual: **113 ft.**

C□R□ HA□ □ A□T□□

□ame□	A□□I□□ □ A□T□ □□R□IC□□
Address□	□□□□ □ R□ □□CRA□□ A□□
City,□tate,□ip□	C□ M□T□ □, CA □□□□□
□ite I□□	□□□□□
C□R□ I□□	□□□□□□□□
C□R□ □escription□	Ha□ardous □ aste □enerator

C□R□ TA□□□□

□ame□	A□□I□□ □ A□T□ □□R□IC□□
Address□	□□□□ □ R□ □□CRA□□ A□□
City,□tate,□ip□	C□ M□T□ □, CA □□□□□
□ite I□□	□□□□□
C□R□ I□□	□□□□□□□□
C□R□ □escription□	Underground □torage Tank

□□□□□□

□ame□	C□ M□T□ □ TRA□□F□R □TATI□□
Address□	□□□□ □ R□ □□CRA□□ A□□
City,□tate,□ip□	□□ □ A□□□□□□, CA □□□□□
Facility □tatus□	Active
□□□□□ □um□er□	CA□□□□□□□
Region□	□
Agency □um□er□	□
Regulatory Measure I□□	□□□□□□
□lace I□□	□ot reported
□rder □um□er□	□□□□□□□□□ □
□ □I□□	□ □□I□□□□□□
Regulatory Measure Type□	□nrollee
□rogram Type□	Industrial
Adoption □ate □f Regulatory Measure□	□ot reported
□ffective □ate □f Regulatory Measure□	□□□□□□□□□□
Termination □ate □f Regulatory Measure□	□ot reported
□□piration □ate □f Regulatory Measure□	□ot reported
□ischarge Address□	□□□□ □ Rosecrans Ave
□ischarge □ame□	Allied □ aste Transfer □ervices □f California □□C
□ischarge City□	□os Angeles
□ischarge □tate□	California
□ischarge □ip□	□□□□□
□tatus□	□ot reported

COMPTON TRANSFER STATION (Continued) **S104581392**

□tatus □ate□	□ot reported
□perator □ame□	□ot reported
□perator Address□	□ot reported
□perator City□	□ot reported
□perator □tate□	□ot reported
□perator □ip□	□ot reported

□□□□□ as of □□□□□□□□

□□□□□ □um□er□	□ot reported
□tatus□	□ot reported
Agency □um□er□	□ot reported
Region□	□
Regulatory Measure I□□	□□□□□□
□rder □um□er□	□ot reported
Regulatory Measure Type□	Industrial
□lace I□□	□ot reported
□ □I□□	□ □□I□□□□□□
□rogram Type□	□ot reported
Adoption □ate □f Regulatory Measure□	□ot reported
□ffective □ate □f Regulatory Measure□	□ot reported
□□piration □ate □f Regulatory Measure□	□ot reported
Termination □ate □f Regulatory Measure□	□ot reported
□ischarge □ame□	□ot reported
□ischarge Address□	□ot reported
□ischarge City□	□ot reported
□ischarge □tate□	□ot reported
□ischarge □ip□	□ot reported
Received □ate□	□□□□□□□□□□
□rocessed □ate□	□□□□□□□□□□
□tatus□	Active
□tatus □ate□	□□□□□□□□□□
□lace □i□e□	□
□lace □i□e Unit□	Acres
Contact□	□uis Aguilar
Contact Title□	□perations □upervisor
Contact □hone□	□□□□□□□□□□□□
Contact □hone □□t□	□ot reported
Contact □mail□	□Aguilar□ repu□licservices.com
□perator □ame□	Allied □ aste Transfer □ervices □f California □□C
□perator Address□	□□□□ □ Rosecrans Ave
□perator City□	□os Angeles
□perator □tate□	California
□perator □ip□	□□□□□
□perator Contact□	Margaret □atrick
□perator Contact Title□	□nvironmental Manager
□perator Contact □hone□	□□□□□□□□□□□□
□perator Contact □hone □□t□	□ot reported
□perator Contact □mail□	mpatrick□ repu□licservices.com
□perator Type□	□tate Agency
□eveloper□	□ot reported
□eveloper Address□	□ot reported
□eveloper City□	□ot reported
□eveloper □tate□	California
□eveloper □ip□	□ot reported
□eveloper Contact□	□ot reported
□eveloper Contact Title□	□ot reported
Constype □inear Utility Ind□	□ot reported
□mergency □hone□	□□□□□□□□□□□□

COMPTON TRANSFER STATION (Continued) **S104581392**

□mergency □hone □□t□	□ot reported
Constype A□ove □round Ind□	□ot reported
Constype □elow □round Ind□	□ot reported
Constype Ca□le □ine Ind□	□ot reported
Constype Comm □ine Ind□	□ot reported
Constype Commertial Ind□	□ot reported
Constype □lectrical □ine Ind□	□ot reported
Constype □as □ine Ind□	□ot reported
Constype Industrial Ind□	□ot reported
Constype □ther □escription□	□ot reported
Constype □ther Ind□	□ot reported
Constype Recons Ind□	□ot reported
Constype Residential Ind□	□ot reported
Constype Transport Ind□	□ot reported
Constype Utility □escription□	□ot reported
Constype Utility Ind□	□ot reported
Constype □ ater □ewer Ind□	□ot reported
□ir □ischarge Uswater Ind□	□
Receiving □ ater □ame□	Compton Creek
Certifier□	Margaret □atrick
Certifier Title□	□ivision Manager
Certification □ate□	□□□A□R□□□
□rimary □ic□	□□□□□□local Trucking □ ithout □torage
□econdary □ic□	□□□□□□crap and □ aste Materials
Tertiary □ic□	□ot reported
□□□□□ □um□er□	CA□□□□□□□
□tatus□	Active
Agency □um□er□	□
Region□	□
Regulatory Measure I□□	□□□□□□
□rder □um□er□	□□□□□□□□□ □
Regulatory Measure Type□	□nrollee
□lace I□□	□ot reported
□ □I□□	□ □□I□□□□□□
□rogram Type□	Industrial
Adoption □ate □f Regulatory Measure□	□ot reported
□ffective □ate □f Regulatory Measure□	□□□□□□□□□□
□□piration □ate □f Regulatory Measure□	□ot reported
Termination □ate □f Regulatory Measure□	□ot reported
□ischarge □ame□	Allied □ aste Transfer □ervices □f California □□C
□ischarge Address□	□□□□ □ Rosecrans Ave
□ischarge City□	□os Angeles
□ischarge □tate□	California
□ischarge □ip□	□□□□□
Received □ate□	□ot reported
□rocessed □ate□	□ot reported
□tatus□	□ot reported
□tatus □ate□	□ot reported
□lace □i□e□	□ot reported
□lace □i□e Unit□	□ot reported
Contact□	□ot reported
Contact Title□	□ot reported
Contact □hone□	□ot reported
Contact □hone □□t□	□ot reported
Contact □mail□	□ot reported
□perator □ame□	□ot reported

COMPTON TRANSFER STATION (Continued) **S104581392**

□perator Address□	□ot reported
□perator City□	□ot reported
□perator □tate□	□ot reported
□perator □ip□	□ot reported
□perator Contact□	□ot reported
□perator Contact Title□	□ot reported
□perator Contact □hone□	□ot reported
□perator Contact □hone □□t□	□ot reported
□perator Contact □mail□	□ot reported
□perator Type□	□ot reported
□eveloper□	□ot reported
□eveloper Address□	□ot reported
□eveloper City□	□ot reported
□eveloper □tate□	□ot reported
□eveloper □ip□	□ot reported
□eveloper Contact□	□ot reported
□eveloper Contact Title□	□ot reported
Constype □inear Utility Ind□	□ot reported
□mergency □hone□	□ot reported
□mergency □hone □□t□	□ot reported
Constype A□ove □round Ind□	□ot reported
Constype □elow □round Ind□	□ot reported
Constype Ca□le □ine Ind□	□ot reported
Constype Comm □ine Ind□	□ot reported
Constype Commertial Ind□	□ot reported
Constype □lectrical □ine Ind□	□ot reported
Constype □as □ine Ind□	□ot reported
Constype Industrial Ind□	□ot reported
Constype □ther □escription□	□ot reported
Constype □ther Ind□	□ot reported
Constype Recons Ind□	□ot reported
Constype Residential Ind□	□ot reported
Constype Transport Ind□	□ot reported
Constype Utility □escription□	□ot reported
Constype Utility Ind□	□ot reported
Constype □ ater □ewer Ind□	□ot reported
□ir □ischarge Uswater Ind□	□ot reported
Receiving □ ater □ame□	□ot reported
Certifier□	□ot reported
Certifier Title□	□ot reported
Certification □ate□	□ot reported
□rimary □ic□	□ot reported
□econdary □ic□	□ot reported
Tertiary □ic□	□ot reported

□ame□	C□M□T□□ TRA□□F□R □TATI□□
Address□	□□□□ □ R□□□CRA□□ A□□
City,□tate,□ip□	□□□ A□□□□□□, CA □□□□□
Facility □tatus□	□ot reported
□□□□□ □um□er□	□ot reported
Region□	□ot reported
Agency □um□er□	□ot reported
Regulatory Measure I□□	□ot reported
□lace I□□	□ot reported
□rder □um□er□	□ot reported
□ □I□□	□ □□I□□□□□□□

COMPTON TRANSFER STATION (Continued) **S104581392**

Regulatory Measure Type	Industrial
rogram Type	ot reported
Adoption ate f Regulatory Measure	ot reported
ffective ate f Regulatory Measure	ot reported
Termination ate f Regulatory Measure	ot reported
piration ate f Regulatory Measure	ot reported
ischarge Address	ot reported
ischarge ame	ot reported
ischarge City	ot reported
ischarge tate	ot reported
ischarge ip	ot reported
tatus	Active
tatus ate	
perator ame	Allied aste Transfer ervices f California C
perator Address	Rosecrans Ave
perator City	os Angeles
perator tate	California
perator ip	

as of

um er	ot reported
tatus	ot reported
Agency um er	ot reported
Region	
Regulatory Measure I	
rder um er	ot reported
Regulatory Measure Type	Industrial
lace I	ot reported
I	I
rogram Type	ot reported
Adoption ate f Regulatory Measure	ot reported
ffective ate f Regulatory Measure	ot reported
piration ate f Regulatory Measure	ot reported
Termination ate f Regulatory Measure	ot reported
ischarge ame	ot reported
ischarge Address	ot reported
ischarge City	ot reported
ischarge tate	ot reported
ischarge ip	ot reported
Received ate	
rocessed ate	
tatus	Active
tatus ate	
lace ie	
lace ie Unit	Acres
Contact	uis Aguilar
Contact Title	perations upervisor
Contact hone	
Contact hone t	ot reported
Contact mail	Aguilar repu licservices.com
perator ame	Allied aste Transfer ervices f California C
perator Address	Rosecrans Ave
perator City	os Angeles
perator tate	California
perator ip	
perator Contact	Margaret atrick
perator Contact Title	nvironmental Manager
perator Contact hone	

COMPTON TRANSFER STATION (Continued) **S104581392**

□perator Contact □hone □□t□	□ot reported
□perator Contact □mail□	mpatrick□ repu□licservices.com
□perator Type□	□tate Agency
□eveloper□	□ot reported
□eveloper Address□	□ot reported
□eveloper City□	□ot reported
□eveloper □tate□	California
□eveloper □ip□	□ot reported
□eveloper Contact□	□ot reported
□eveloper Contact Title□	□ot reported
Constype □inear Utility Ind□	□ot reported
□mergency □hone□	□□□□□□□□□□□□
□mergency □hone □□t□	□ot reported
Constype A□ove □round Ind□	□ot reported
Constype □elow □round Ind□	□ot reported
Constype Ca□le □ine Ind□	□ot reported
Constype Comm □ine Ind□	□ot reported
Constype Commertial Ind□	□ot reported
Constype □lectrical □ine Ind□	□ot reported
Constype □as □ine Ind□	□ot reported
Constype Industrial Ind□	□ot reported
Constype □ther □escription□	□ot reported
Constype □ther Ind□	□ot reported
Constype Recons Ind□	□ot reported
Constype Residential Ind□	□ot reported
Constype Transport Ind□	□ot reported
Constype Utility □escription□	□ot reported
Constype Utility Ind□	□ot reported
Constype □ ater □ewer Ind□	□ot reported
□ir □ischarge Uswater Ind□	□
Receiving □ ater □ame□	Compton Creek
Certifier□	Margaret □atrick
Certifier Title□	□ivision Manager
Certification □ate□	□□□A□R□□□
□rimary □ic□	□□□□□□local Trucking □ ithout □torage
□econdary □ic□	□□□□□□crap and □ aste Materials
Tertiary □ic□	□ot reported

□□□□□ □um□er□	CA□□□□□□□
□tatus□	Active
Agency □um□er□	□
Region□	□
Regulatory Measure I□□	□□□□□□
□rder □um□er□	□□□□□□□□ □ □
Regulatory Measure Type□	□nrollee
□lace I□□	□ot reported
□ □I□□	□ □□I□□□□□□
□rogram Type□	Industrial
Adoption □ate □f Regulatory Measure□	□ot reported
□ffective □ate □f Regulatory Measure□	□□□□□□□□□□
□□piration □ate □f Regulatory Measure□	□ot reported
Termination □ate □f Regulatory Measure□	□ot reported
□ischarge □ame□	Allied □ aste Transfer □ervices □f California □□C
□ischarge Address□	□□□□ □ Rosecrans Ave
□ischarge City□	□os Angeles
□ischarge □tate□	California
□ischarge □ip□	□□□□□

COMPTON TRANSFER STATION (Continued) **S104581392**

Received ate	ot reported
rocessed ate	ot reported
tatus	ot reported
tatus ate	ot reported
lace i e	ot reported
lace i e Unit	ot reported
Contact	ot reported
Contact Title	ot reported
Contact hone	ot reported
Contact hone t	ot reported
Contact mail	ot reported
perator ame	ot reported
perator Address	ot reported
perator City	ot reported
perator tate	ot reported
perator ip	ot reported
perator Contact	ot reported
perator Contact Title	ot reported
perator Contact hone	ot reported
perator Contact hone t	ot reported
perator Contact mail	ot reported
perator Type	ot reported
eveloper	ot reported
eveloper Address	ot reported
eveloper City	ot reported
eveloper tate	ot reported
eveloper ip	ot reported
eveloper Contact	ot reported
eveloper Contact Title	ot reported
Constype inear Utility Ind	ot reported
mergency hone	ot reported
mergency hone t	ot reported
Constype A ove round Ind	ot reported
Constype elow round Ind	ot reported
Constype Ca le ine Ind	ot reported
Constype Comm ine Ind	ot reported
Constype Commertial Ind	ot reported
Constype lectrical ine Ind	ot reported
Constype as ine Ind	ot reported
Constype Industrial Ind	ot reported
Constype ther escription	ot reported
Constype ther Ind	ot reported
Constype Recons Ind	ot reported
Constype Residential Ind	ot reported
Constype Transport Ind	ot reported
Constype Utility escription	ot reported
Constype Utility Ind	ot reported
Constype ater ewer Ind	ot reported
ir ischarge Uswater Ind	ot reported
Receiving ater ame	ot reported
Certifier	ot reported
Certifier Title	ot reported
Certification ate	ot reported
rimary ic	ot reported
econdary ic	ot reported
Tertiary ic	ot reported

COMPTON TRANSFER STATION (Continued) **S104581392**

CI□ □□□

□ame□	C□M□T□□ TRA□□F□R □TATI□□
Address□	□□□□ □ R□□□CRA□□ A□□
City,□tate,□ip□	□□ □ A□□□□□□, CA □□□□□
Agency□	Allied □aste Transfer □ervices □f CA, □□C
Agency Address□	□□□□ □ Rosecrans Ave, □os Angeles, CA □□□□□
□lace□□ro□ect Type□	Industrial □□ocal Trucking □ithout □torage
□IC□□ AIC□□	□□□□□□□
Region□	□
□rogram□	I□□□T□
Regulatory Measure □tatus□	Terminated
Regulatory Measure Type□	□torm water industrial
□rder □um□er□	□□□□□□□□□□□□□□ □ □
□ □I□□	□ □□I□□□□□□□
□□□□□ □um□er□	CA□□□□□□□□
Adoption □ate□	□ot reported
□ffective □ate□	□□□□□□□□□□□□
Termination □ate□	□□□□□□□□□□□□
□□piration□Review □ate□	□ot reported
□esign Flow□	□ot reported
Ma□or□Minor□	□ot reported
Comple□ity□	□ot reported
TT□ □□	□ot reported
□nforcement Actions within □ years□	□
□iolations within □ years□	□
□atitude□	□ot reported
□ongitude□	□ot reported

□ame□	C□M□T□□ TRA□□F□R □TATI□□
Address□	□□□□ □ R□□□CRA□□ A□□
City,□tate,□ip□	□□ □ A□□□□□□, CA □□□□□
Agency□	Allied □aste Transfer □ervices □f California □□C
Agency Address□	□□□□ □ Rosecrans Ave, □os Angeles, CA □□□□□
□lace□□ro□ect Type□	Industrial □□ocal Trucking □ithout □torage
□IC□□ AIC□□	□□□□□□□
Region□	□
□rogram□	I□□□T□
Regulatory Measure □tatus□	Active
Regulatory Measure Type□	□torm water industrial
□rder □um□er□	□□□□□□□□□□□□□□ □ □
□ □I□□	□ □□I□□□□□□□
□□□□□ □um□er□	CA□□□□□□□□
Adoption □ate□	□ot reported
□ffective □ate□	□□□□□□□□□□□□
Termination □ate□	□ot reported
□□piration□Review □ate□	□ot reported
□esign Flow□	□ot reported
Ma□or□Minor□	□ot reported
Comple□ity□	□ot reported
TT□ □□	□ot reported
□nforcement Actions within □ years□	□
□iolations within □ years□	□
□atitude□	□□.□□□□□□
□ongitude□	□□□□.□□□□□□

C□R□□

COMPTON TRANSFER STATION (Continued) **S104581392**

□ame□ C□ M□T□□ TRA□□F□R □TATI□□
Address□ □□□□ □ R□ □□CRA□□ A□□
City,□tate,□ip□ □□ □ A□□□□□□, CA □□□□□
□ite I□□ □□□□□□□
C□R□ I□□ □□□□□□□
C□R□ □escription□ Industrial Facility □torm □ ater

Affiliation□
Affiliation Type □esc□ □ wner□□ perator
□ntity □ame□ Allied □ aste Transfer □ervices of California □□C
□ntity Title□ □ perator
Affiliation Address□ □□□□ □ Rosecrans Ave
Affiliation City□ □os Angeles
Affiliation □tate□ CA
Affiliation Country□ □ot reported
Affiliation □ip□ □□□□□
Affiliation □hone□ □ot reported

□ame□ A□□I□□ □ A□T□ □□R□IC□□
Address□ □□□□ □ R□ □□CRA□□ A□□
City,□tate,□ip□ C□ M□T□□, CA □□□□□
□ite I□□ □□□□□
C□R□ I□□ □□□□□□□□
C□R□ □escription□ Chemical □torage Facilities

□iolations□
□ite I□□ □□□□□
□ite □ame□ A□□I□□ □ A□T□ □□R□IC□□
□iolation □ate□ □□□□□□□□□□
Citation□ H□C □.□ □□□□□.□□c□, □□□□□.□□c□, □□□□□□a□□□, □□□□□□e□□California Health and □afety Code, Chapter □.□, □ection□s□□□□□.□□c□, □□□□□.□□c□, □□□□□□a□□□, □□□□□□e□
□iolation □escription□ Failure to maintain secondary containment □e.g. failure of secondary containment testing□
□iolation □otes□ Returned to compliance on □□□□□□□□□.
□iolation □ivision□ □os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□ U□T
□iolation □ource□ C□R□

□ite I□□ □□□□□
□ite □ame□ A□□I□□ □ A□T□ □□R□IC□□
□iolation □ate□ □□□□□□□□□□
Citation□ H□C □.□ □□□□□□a□□California Health and □afety Code, Chapter □.□, □ection□s□□□□□□□a□
□iolation □escription□ Failure to su□mit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
□iolation □otes□ Returned to compliance on □□□□□□□□□.
□iolation □ivision□ □os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□ U□T
□iolation □ource□ C□R□

□ite I□□ □□□□□
□ite □ame□ A□□I□□ □ A□T□ □□R□IC□□
□iolation □ate□ □□□□□□□□□□
Citation□ □□ CCR □□ □□□□□f□□California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□f□
□iolation □escription□ Failure to implement the corrections specified in the inspection

COMPTON TRANSFER STATION (Continued) **S104581392**

report within □□ calendar days of receiving an inspection report from either the U□A or special inspector.

□iolation □otes□ Returned to compliance on □□□□□□□□□□□□.
□iolation □ivision□ □os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□ U□T
□iolation □ource□ C□R□

□ite I□□ □□□□□□
□ite □ame□ A□□I□□ □ A□T□ □□R□IC□□
□iolation □ate□ □□□□□□□□□□□□
Citation□ □□ CCR □□ □□□□□ □California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□
□iolation □escription□ Failure to comply with any of the applica□le re□uirements of the permit issued for the operation of the U□T system.
□iolation □otes□ Returned to compliance on □□□□□□□□□□□□.
□iolation □ivision□ □os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□ U□T
□iolation □ource□ C□R□

□ite I□□ □□□□□□
□ite □ame□ A□□I□□ □ A□T□ □□R□IC□□
□iolation □ate□ □□□□□□□□□□□□
Citation□ □□ CCR □□ □□□□□h□□California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□h□
□iolation □escription□ Failure to have an approved U□T Monitoring □lan.
□iolation □otes□ Returned to compliance on □□□□□□□□□□□□.
□iolation □ivision□ □os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□ U□T
□iolation □ource□ C□R□

□ite I□□ □□□□□□
□ite □ame□ A□□I□□ □ A□T□ □□R□IC□□
□iolation □ate□ □□□□□□□□□□□□
Citation□ □□ CCR □□ □□□□□d□□California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□d□
□iolation □escription□ Failure to su□mit the Annual Monitoring □ystem Certification Form to the U□A within □□ days of completion of the test.
□iolation □otes□ Returned to compliance on □□□□□□□□□□□□.
□iolation □ivision□ □os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□ U□T
□iolation □ource□ C□R□

□ite I□□ □□□□□□
□ite □ame□ A□□I□□ □ A□T□ □□R□IC□□
□iolation □ate□ □□□□□□□□□□□□
Citation□ □□ CCR □□ □□□□□h□□California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□h□
□iolation □escription□ Failure to have an approved U□T Monitoring □lan.
□iolation □otes□ Returned to compliance on □□□□□□□□□□□□.
□iolation □ivision□ □os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□ U□T
□iolation □ource□ C□R□

□ite I□□ □□□□□□
□ite □ame□ A□□I□□ □ A□T□ □□R□IC□□
□iolation □ate□ □□□□□□□□□□□□
Citation□ □□ CCR □□ □□□□□ □California Code of Regulations, Title □□, Chapter □□,

COMPTON TRANSFER STATION (Continued) **S104581392**

ection s

iolation escription	Failure to conduct secondary containment testing, or one or more of the following re uirements erform the test within si months of installation and every months thereafter.Use a procedure that demonstrates the system works as well as at installation.Use applica le manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. erformed y a certified service technician or a licensed tank tester.
iolation otes	Returned to compliance on .
iolation ivision	os Angeles County epartment of u lic orks
iolation rogram	U T
iolation ource	C R

ite I	
ite ame	A I A T R IC
iolation ate	
Citation	H C . . . c . . c California Health and afety Code, Chapter . , ection s . . c . . c
iolation escription	Failure to keep water out of the secondary containment of U T systems installed on or after uly , and efore uly , , or on or after uly , .
iolation otes	Returned to compliance on .
iolation ivision	os Angeles County epartment of u lic orks
iolation rogram	U T
iolation ource	C R

ite I	
ite ame	A I A T R IC
iolation ate	
Citation	CCR California Code of Regulations, Title , Chapter , ection s
iolation escription	Failure to implement the corrections specified in the inspection report within calendar days of receiving an inspection report from either the CU A or special inspector.
iolation otes	Returned to compliance on .
iolation ivision	os Angeles County epartment of u lic orks
iolation rogram	U T
iolation ource	C R

ite I	
ite ame	A I A T R IC
iolation ate	
Citation	H C . . , California Health and afety Code, Chapter . , ection s ,
iolation escription	Failure to su mit a complete and accurate application for a permit to operate a U T, or for renewal of the permit.
iolation otes	Returned to compliance on .
iolation ivision	os Angeles County epartment of u lic orks
iolation rogram	U T
iolation ource	C R

ite I	
ite ame	A I A T R IC
iolation ate	
Citation	CCR California Code of Regulations, Title , Chapter , ection s
iolation escription	Failure to have a U T Monitoring lan availa le on site.

COMPTON TRANSFER STATION (Continued) **S104581392**

□iolation □otes□ Returned to compliance on □□□□□□□□□□.
□iolation □ivision□ □os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□ U□T
□iolation □ource□ C□R□

□ite I□□ □□□□□
□ite □ame□ A□□I□□ □ A□T□ □□R□IC□□
□iolation □ate□ □□□□□□□□□□
Citation□ H□C □.□□ □□□□□.□□□□□□□□.□□ □California Health and □afety Code, Chapter □.□□, □ection□s□□□□□□.□□□□□□□□.□□
□iolation □escription□ Failure to su□mit and maintain complete and current Certification of Financial Responsi□ility or other mechanism of financial assurance.
□iolation □otes□ Returned to compliance on □□□□□□□□□□.
□iolation □ivision□ □os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□ U□T
□iolation □ource□ C□R□

□ite I□□ □□□□□
□ite □ame□ A□□I□□ □ A□T□ □□R□IC□□
□iolation □ate□ □□□□□□□□□□
Citation□ □□ CCR □□ □□□□□f□□□□California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□f□□□□
□iolation □escription□ Failure of the functional line leak detector □□□□ □monitoring pressuri□ed piping to meet one or more of the following re□uirements□ Monitored at least hourly with the capa□ility of detecting a release of □.□ gallons per hour leak at □□ p.s.i.g. and restrict or shut off the flow of product through the piping when a leak is detected.
□iolation □otes□ Returned to compliance on □□□□□□□□□□.
□iolation □ivision□ □os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□ U□T
□iolation □ource□ C□R□

□ite I□□ □□□□□
□ite □ame□ A□□I□□ □ A□T□ □□R□IC□□
□iolation □ate□ □□□□□□□□□□
Citation□ H□C □.□ □□□□□ □California Health and □afety Code, Chapter □.□, □ection□s□□□□□□
□iolation □escription□ Failure to o□tain a permit or grant of interim status after generator has accumulated ha□ardous waste on□site for longer than □□ days.
□iolation □otes□ Returned to compliance on □□□□□□□□□□. □ □□□R□ATI□ □□□ □served used oil storage containers with la□eling indicating the used oil has □een accumulating since □eptem□er □□, □□□□. Facilities who generate more than □□□□ kg of ha□ardous waste per month may store waste on site up to □□ days. C□ RR□CTI□□ ACTI□ □□Immediately contact a licensed ha□ardous waste hauler to dispose of this waste under manifest and su□mit a copy of the manifest to the CU□A within □□ days.
□iolation □ivision□ □os Angeles County Fire □epartment
□iolation □rogram□ H□
□iolation □ource□ C□R□

□ite I□□ □□□□□
□ite □ame□ A□□I□□ □ A□T□ □□R□IC□□
□iolation □ate□ □□□□□□□□□□
Citation□ □□ CCR □□ □□□□ □California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□
□iolation □escription□ Failure to comply with any of the applica□le re□uirements of the permit issued for the operation of the U□T system.

COMPTON TRANSFER STATION (Continued) **S104581392**

iolation otes	Returned to compliance on .
iolation ivision	os Angeles County epartment of u lic orks
iolation rogram	U T
iolation ource	C R
ite I	
ite ame	A I A T R IC
iolation ate	
Citation	CCR e California Code of Regulations, Title , Chapter , ections e
iolation escription	Failure to su mit a copy of the secondary containment test results to the U A within days after the test.
iolation otes	Returned to compliance on .
iolation ivision	os Angeles County epartment of u lic orks
iolation rogram	U T
iolation ource	C R
ite I	
ite ame	A I A T R IC
iolation ate	
Citation	CCR . e, California Code of Regulations, Title , Chapter . , ections s,
iolation escription	Failure to su mit a complete and accurate application for a permit to operate a U T, or for renewal of the permit.
iolation otes	Returned to compliance on .
iolation ivision	os Angeles County epartment of u lic orks
iolation rogram	U T
iolation ource	C R

valuation

val eneral Type	Compliance valuation Inspection
val ate	
iolations Found	es
val Type	Routine done y local agency
val otes	M F FAI C RT' R T U R RMIT R AC C RTIF . R U IC R IC FACI IT . C R C RR .
val ivision	os Angeles County epartment of u lic orks
val rogram	U T
val ource	C R
val eneral Type	Compliance valuation Inspection
val ate	
iolations Found	o
val Type	Routine done y local agency
val otes	uis Aguilar, perations upervisor
val ivision	os Angeles County Fire epartment
val rogram	HMRR
val ource	C R
val eneral Type	Compliance valuation Inspection
val ate	
iolations Found	o
val Type	Routine done y local agency
val otes	uis Aguilar, perations upervisor
val ivision	os Angeles County Fire epartment
val rogram	H
val ource	C R

COMPTON TRANSFER STATION (Continued) **S104581392**

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□□
□iolations Found□ □es
□val Type□ Routine done □y local agency
□val □otes□ Mari□el Renteria
□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ H□
□val □ource□ C□R□

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□□
□iolations Found□ □o
□val Type□ Routine done □y local agency
□val □otes□ □R T□□□□□□□C C□RT □□□□□□□, □□□□□ □□□□□□□. □□F□ □□□□□□□. □□□ A□□U□AR, □□ □□□IR□□ □ □□□ □I□I□□, F□I□□, □UM□□ □ U□C □ □□□□ □□□□□ R□.
□val □ivision□ □os Angeles County □epartment of □u□lic □ orks
□val □rogram□ U□T
□val □ource□ C□R□

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□□
□iolations Found□ □o
□val Type□ Routine done □y local agency
□val □otes□ Inspected □y HMI□ames □enn. Consent given □y Angel
□val □ivision□ Compton Fire □epartment
□val □rogram□ HMRR□
□val □ource□ C□R□

□val □eneral Type□ □ther□Unknown
□val □ate□ □□□□□□□□□□□□
□iolations Found□ □o
□val Type□ □ther, not routine, done □y local agency
□val □otes□ □□□ follow□up
□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ H□
□val □ource□ C□R□

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□□
□iolations Found□ □es
□val Type□ Routine done □y local agency
□val □otes□ □□□□□□□□□ □□□□□□ □□T T□ □□F□UI□ □T□ □UM□,□□I□TI□□ □□□□□□□□,C□R□ C□RR R,□'□□□R T□□ □□□C,□MITH □□ □ □□□IR□□ □□ ,F□□□□,□□□□,□□□□
□val □ivision□ □os Angeles County □epartment of □u□lic □ orks
□val □rogram□ U□T
□val □ource□ C□R□

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□□
□iolations Found□ □es
□val Type□ Routine done □y local agency
□val □otes□ □AT□□T C□R□ □U□MITTA□ □AT□□ □□□□□□□ I□C□M□□□T□□I□ACCURAT□□□□ U□T I□□ □TA□□ □AT□,□□□□,□TC.□R□□ U□AR □I□□□□□□R □ R□M□T□□R□□□ F□R TU□□□□.
□val □ivision□ □os Angeles County □epartment of □u□lic □ orks
□val □rogram□ U□T
□val □ource□ C□R□

COMPTON TRANSFER STATION (Continued) **S104581392**

Coordinates□
□ite I□□ □□□□□□
Facility □ame□ A□□I□□ □ A□T□ □□R□IC□□
□nv Int Type Code□ H□ □
□rogram I□□ □□□□□□□□□
Coord □ame□ □ot reported
Ref □oint Type □esc□ Center of a facility or station.
□atitude□ □□.□□□□□□□
□ongitude□ □□□□.□□□□□□□

Affiliation□
Affiliation Type □esc□ □ocument □reparer
□ntity □ame□ Antonia □unner
□ntity Title□ □ot reported
Affiliation Address□ □ot reported
Affiliation City□ □ot reported
Affiliation □tate□ □ot reported
Affiliation Country□ □ot reported
Affiliation □ip□ □ot reported
Affiliation □hone□ □ot reported

Affiliation Type □esc□ □egal □wner
□ntity □ame□ Allied □ aste Transfer □ervices of California,□□C
□ntity Title□ □ot reported
Affiliation Address□ □□□□ □ est Rosecrans Avenue
Affiliation City□ □os Angeles
Affiliation □tate□ CA
Affiliation Country□ United □tates
Affiliation □ip□ □□□□□
Affiliation □hone□ □□□□□□□□□□□□□□

Affiliation Type □esc□ U□T □ermit Applicant
□ntity □ame□ MARI□□□ R□□T□RIA
□ntity Title□ □U□□R□I□□R
Affiliation Address□ □ot reported
Affiliation City□ □ot reported
Affiliation □tate□ □ot reported
Affiliation Country□ □ot reported
Affiliation □ip□ □ot reported
Affiliation □hone□ □□□□□□□□□□□□□□

Affiliation Type □esc□ U□T □roperty □wner □ame
□ntity □ame□ Allied □ aste Transfer □ervices of CA,□□C
□ntity Title□ □ot reported
Affiliation Address□ □□□□ □ R□ □□CRA□□ A□□
Affiliation City□ □os Angeles
Affiliation □tate□ CA
Affiliation Country□ United □tates
Affiliation □ip□ □□□□□
Affiliation □hone□ □□□□□□□□□□□□□□

Affiliation Type □esc□ U□T Tank □perator
□ntity □ame□ Allied □ aste Transfer □ervices of CA, □□C
□ntity Title□ □ot reported
Affiliation Address□ □□□□ □ R□ □□CRA□□ A□□
Affiliation City□ □os Angeles

COMPTON TRANSFER STATION (Continued) **S104581392**

Affiliation □tate□	CA
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	CU□A □istrict
□ntity □ame□	□os Angeles County Fire
□ntity Title□	□ot reported
Affiliation Address□	□□□□ Ricken□acker Road
Affiliation City□	Commerce
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	□nvironmental Contact
□ntity □ame□	Antonia □unner
□ntity Title□	□ot reported
Affiliation Address□	□□□□□ □ichols □ane
Affiliation City□	Huntington □each
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□
Affiliation □hone□	□ot reported
Affiliation Type □esc□	□arent Corporation
□ntity □ame□	A□□I□□ □ A□T□ □□R□IC□□
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported
Affiliation Type □esc□	U□T Tank □wner
□ntity □ame□	Allied □ aste Transfer □ervices of CA,□□C
□ntity Title□	□ot reported
Affiliation Address□	□□□□ □ R□ □□CRA□□ A□□
Affiliation City□	□os Angeles
Affiliation □tate□	CA
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	Facility Mailing Address
□ntity □ame□	Mailing Address
□ntity Title□	□ot reported
Affiliation Address□	□□□□ □ est Rosecrans Avenue
Affiliation City□	□os Angeles
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□
Affiliation □hone□	□ot reported
Affiliation Type □esc□	Identification □igner
□ntity □ame□	Hector □anche□

COMPTON TRANSFER STATION (Continued) **S104581392**

□ntity Title□	□perations □upervisor
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported
Affiliation Type □esc□	□perator
□ntity □ame□	Allied □ aste Transfer □ervices of California, □□C
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	□roperty □wner
□ntity □ame□	Allied □ aste Transfer □ervices of CA □□C
□ntity Title□	□ot reported
Affiliation Address□	□□□□ □ est Rosecrans Avenue
Affiliation City□	□os Angeles
Affiliation □tate□	CA
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□

C24 **THE TJX COMPANIES, INC.** **RCRA NonGen / NLR** **1025836101**
NNE **2509 W. ROSECRANS AVE.** **CAC003015689**
< 1/8 **LOS ANGELES, CA 90059**
0.093 mi.
491 ft. **Site 4 of 7 in cluster C**

Relative:
Higher

Actual:
113 ft.

RCRA □on□en □□R□

□ate form received □y agency□□□□□□□□□□□ □□□□□□□□□.□

Facility name□	TH□ T□□ C□ M□A□ I□□, I□C.
Facility address□	□□□□ □ . R□ □□CRA□□ A□□. □□ □ A□ □□□□, CA □□□□□
□□A I□□	CAC□□□□□□□□□□
Mailing address□	□□□ CHA□□□ R□, □T□ □□□ MA□CH□□T□R, CT □□□□□
Contact□	C□ □□□□□ C□AR□
Contact address□	□□□ □A□U□ □ A□ MAR□□□ R□U□H, MA □□□□□
Contact country□	□ot reported
Contact telephone□	□□□□□□□□□□□□
Contact email□	C□ □□□□□□C□AR□□ T□□.C□M
□□A Region□	□□
Classification□	□on□□enerator
□escription□	Handler□□on□□enerators do not presently generate ha□ardous waste

□wner□□perator □ummary□

□wner□operator name□	C□ □□□□□ C□AR□
□wner□operator address□	□□□ □A□U□ □ A□ MAR□□□ R□U□H, MA □□□□□

THE TJX COMPANIES, INC. (Continued) **1025836101**

□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□□□
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□ther
□wner□□perator Type□	□perator
□wner□□p start date□	□ot reported
□wner□□p end date□	□ot reported
□wner□operator name□	TH□ T□□ C□ M□A□ I□□, I□C.
□wner□operator address□	□□□ C□ CHITUAT□ R□ FRAMI□□HAM, MA □□□□□
□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□□□
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□ther
□wner□□perator Type□	□wner
□wner□□p start date□	□ot reported
□wner□□p end date□	□ot reported

Handler Activities □ummary□

U.□. importer of ha□ardous waste□	□o
Mi□ed waste □ha□. and radioactive□□	□o
Recycler of ha□ardous waste□	□o
Transporter of ha□ardous waste□	□o
Treater, storer or disposer of H□ □	□es
Underground in□ection activity□	□o
□n□site □urner e□emption□	□o
Furnace e□emption□	□o
Used oil fuel □urner□	□o
Used oil processor□	□o
User oil refiner□	□o
Used oil fuel marketer to □urner□	□o
Used oil □pecification marketer□	□o
Used oil transfer facility□	□o
Used oil transporter□	□o

□iolation □tatus□ □o violations found

C25 **THE TJX COMPANIES, INC.** **RCRA NonGen / NLR** **1026043519**
NNE **2509 ROSECRANS AVE.** **CAC003049743**
< 1/8 **LOS ANGELES, CA 90059**
0.093 mi.
491 ft. **Site 5 of 7 in cluster C**

Relative: RCRA □on□en □□□R□
Higher

Actual: □ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□.□
113 ft.

Facility name□	TH□ T□□ C□ M□A□ I□□, I□C.
Facility address□	□□□□ R□□□CRA□□ A□□. □□ □ A□□ □□□□, CA □□□□□
□□A I□□	CAC□□□□□□□□□
Mailing address□	□□□ C□ URT □T., □UIT□ □□□ MI□□□□T□ □ □, CT □□□□□
Contact□	C□ □□□□□ C□AR□
Contact address□	□□□ □A□U□ □ A□

THE TJX COMPANIES, INC. (Continued) **1026043519**

MAR□□□ R□ U□ H, MA □□□□□

Contact country□	□ot reported
Contact telephone□	□□□□□□□□□□□□□□
Contact email□	C□ □□□□□□□C□AR□□ T□□.C□M
□□A Region□	□□
Classification□	□on□□ enerator
□escription□	Handler□□ on□□ enerators do not presently generate ha□ardous waste

□wner□□ perator □ummary□

□wner□operator name□	TH□ T□□ C□M□A□I□□ I□C.,
□wner□operator address□	□□□ C□CHITUAT□ R□.,
	FRAMI□□HAM, MA □□□□□
□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□□□
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□ther
□wner□□ perator Type□	□wner
□wner□□p start date□	□ot reported
□wner□□p end date□	□ot reported

□wner□operator name□	C□ □□□□□ C□AR□
□wner□operator address□	□□□ □A□U□ □ A□
	MAR□□□ R□ U□ H, MA □□□□□
□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□□□
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□ther
□wner□□ perator Type□	□perator
□wner□□p start date□	□ot reported
□wner□□p end date□	□ot reported

Handler Activities □ummary□

U.□. importer of ha□ardous waste□	□o
Mi□ed waste □ha□. and radioactive□□	□ot reported
Recycler of ha□ardous waste□	□o
Transporter of ha□ardous waste□	□o
Treater, storer or disposer of H□ □	□o
Underground in□ection activity□	□o
□n□site □urner e□emption□	□o
Furnace e□emption□	□o
Used oil fuel □urner□	□o
Used oil processor□	□o
User oil refiner□	□o
Used oil fuel marketer to □urner□	□o
Used oil □pecification marketer□	□o
Used oil transfer facility□	□o
Used oil transporter□	□o

□iolation □tatus□ □o violations found

C26 **BROWN-FERRIS IND (BFI)** **SWF/LF** **S103426964**
NNE **2509 WEST ROSECRANS** **LUST** **N/A**
< 1/8 **COMPTON, CA 90059** **Cortese**
0.093 mi. **CERS**
491 ft. **Site 6 of 7 in cluster C**

Relative: A C . F
Higher

Actual:
113 ft.

ame	A I FI A T T M, C M T
Address	T R CRA A U
City,tate,ip	A , CA
ite I	
Alt. Address	A
ite Contact	ot reported
ite Contact hone	
ite mail	hipp repu licservices.com
ite e site	A
ite Type	Transfer and rocessing Facility
ite I um er	AA
eginning peration ate	A
nding peration ate	A
ocal nforcement Agency	County f os Angeles epartment of u lic Health
Ma imun epth Fill Ft	ot reported
ermitted Capacity	
resent Use	Transfer rocessing Facility
Remaining Capacity Million	A
tatus	Active
aste Accepted	Construction emolition reen Materials Household Trash Industrial on Ha ardous
Hours of peration	Monday Friday am pm
isposal Area Acre	ot reported

etail As f

perator ame	Repu lic ervices, Inc.
perator Address	. U UM T.
perator City tate ip	A AH IM, CA
perator Contact	orge as ue
perator Telephone	
perator mail	yas ue repu licservices.com
wner ame	Allied aste
wner Address	ot reported
wner City tate ip	ot reported
wner Contact	ot reported
wner Telephone	ot reported
wner mail	ot reported

F F I

ame	C M T R C C I TRA F R TATI
Address	T R CRA A U
City,tate,ip	C M T , CA
Facility I	AA
at ong	. .
wner ame	FI of California, C
wner Telephone	ot reported
wner Address	ot reported
wner Address	. Rosencrans Ave.
wner City,t,ip	os Angeles, CA
perational tatus	Active
perator	Allied aste Transfer ervices of CA C
perator hone	ot reported
perator Address	ot reported

BROWN-FERRIS IND (BFI) (Continued) **S103426964**

□perator Address□□	□□□□ □. □cottsdale Fiesta □□□□
□perator City,□t,□ip□	□cottsdale, CA □□□□□
□ermit □ate□	□□□□□□□□□□□□
□ermit □tatus□	□ermitted
□ermitted Acreage□	□□.□□
Activity□	□arge □olume Transfer□□roc Facility
Regulation □tatus□	□ermitted
□anduse □ame□	Residential,Industrial,Commercial
□I□ □ource□	Map
Category□	Transfer□□rocessing
Unit □um□er□	□□
Inspection Fre□uency□	Monthly
Accepted □ aste□	Construction□demolition,□reen Materials,Industrial,Mi□ed municipal
Closure □ate□	□ot reported
Closure Type□	□ot reported
□isposal Acreage□	□ot reported
□□ I□ □um□	□□□AA□□□□□
□ aste □ischarge Re□uirement □um□□	ot reported
□rogram Type□	□ot reported
□ermitted Throughput with Units□	□□□□
Actual Throughput with Units□	Tons□day
□ermitted Capacity with Units□	□□□□
Remaining Capacity□	□ot reported
Remaining Capacity with Units□	Tons□day
□at□□ong□	□□.□□□□□□ □□□□□□.□□□□□□

□U□T□

□ame□	□R□ □□F□RRI□ I□□ □□FI□
Address□	□□□□ □ □□T R□□□CRA□□
City,□tate,□ip□	C□ M□T□ □, CA □□□□□
□ead Agency□	□□ □ A□□□□□□ R□ □C□ □R□□ I□□ □□
Case Type□	□U□T Cleanup □ite
□eo Track□	http□□□geotracker.water□oards.ca.gov□profile□report.asp□glo□al□id□T□□□□□□□□□□
□lo□al Id□	T□□□□□□□□□□
□atitude□	□□.□□□□□□
□ongitude□	□□□□.□□□□□□
□tatus□	Completed □Case Closed
□tatus □ate□	□□□□□□□□□□□□
Case □ orker□	MR
R□ Case □um□er□	R□□□□□□
□ocal Agency□	□□ □ A□□□□□□ C□ U□T□
File □ocation□	□ot reported
□ocal Case □um□er□	F□ □□□□□□□□□□□□□□□
□otential Media Affect□	□oil
□otential Contaminants of Concern□	□asoline, □iesel
□ite History□	□ot reported

□U□T□

□lo□al Id□	T□□□□□□□□□□
Contact Type□	Regional □oard Caseworker
Contact □ame□	Maryam Renard
□rgani□ation □ame□	□□ □ A□□□□□□ R□ □C□ □R□□ I□□ □□
Address□	□□□ □ . □TH □T., □UIT□ □□□
City□	□□ □ A□□□□□□
□mail□	maryam.renard□ water□oards.ca.gov
□hone □um□er□	□□□□□□□□□□

BROWN-FERRIS IND (BFI) (Continued) **S103426964**

□lo□al Id□ T□□□□□□□□□□□□
Contact Type□ □ocal Agency Caseworker
Contact □ame□ TIM □MITH
□rgani□ation □ame□ □□□ A□□ □□□□ C□U□T□
Address□ □□□ □. FR□M□□T A□□.
City□ A□HAM□RA
□mail□ tsmith□ dpw.lacounty.gov
□hone □um□er□ □ot reported

□U□T□
□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□□□□□□□□□
Action□ □eak □iscovery

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ R□M□□IATI□□
□ate□ □□□□□□□□□□□□
Action□ □□cavation

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□□□□□□□□□
Action□ □eak Reported

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □□F□RC□M□□T
□ate□ □□□□□□□□□□□□
Action□ □taff □etter

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □□F□RC□M□□T
□ate□ □□□□□□□□□□□□
Action□ □taff □etter

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □□F□RC□M□□T
□ate□ □□□□□□□□□□□□
Action□ Closure□□□o Further Action □etter

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □□F□RC□M□□T
□ate□ □□□□□□□□□□□□
Action□ □otification □□reclosure

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ R□□□□□□□□
□ate□ □□□□□□□□□□□□
Action□ □ther Report □□ocument

□U□T□
□lo□al Id□ T□□□□□□□□□□□□
□tatus□ □pen □Case □egin □ate
□tatus □ate□ □□□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□□

BROWN-FERRIS IND (BFI) (Continued) **S103426964**

□tatus□	□pen □□ite Assessment
□tatus □ate□	□□□□□□□□□□□□
□lo□al Id□	T□□□□□□□□□□□□
□tatus□	□pen □Referred
□tatus □ate□	□□□□□□□□□□□□
□lo□al Id□	T□□□□□□□□□□□□
□tatus□	□pen □□ite Assessment
□tatus □ate□	□□□□□□□□□□□□
□lo□al Id□	T□□□□□□□□□□□□
□tatus□	□pen □□ligi□le for Closure
□tatus □ate□	□□□□□□□□□□□□
□lo□al Id□	T□□□□□□□□□□□□
□tatus□	Completed □Case Closed
□tatus □ate□	□□□□□□□□□□□□

C□RT□□□□

□ame□	□R□ □□F□RRI□ I□□ □□FI□
Address□	□□□□ □ □□T R□ □□CRA□□
City,□tate,□ip□	C□M□T□□, CA □□□□□
Region□	C□RT□□□
□nvirostor Id□	□ot reported
□lo□al I□□	T□□□□□□□□□□□□
□ite□Facility Type□	□U□T C□□A□U□ □IT□
Cleanup □tatus□	C□M□□□T□□ □CA□□ C□□ □□□
□tatus □ate□	□ot reported
□ite Code□	□ot reported
□atitude□	□ot reported
□ongitude□	□ot reported
□wner□	□ot reported
□nf Type□	□ot reported
□wat R□	□ot reported
Flag□	active
□rder □o□	□ot reported
□ aste □ischarge □ystem □o□	□ot reported
□ffective □ate□	□ot reported
Region □□	□ot reported
□ I□ Id□	□ot reported
□olid □ aste Id □o□	□ot reported
□ aste Management Uit □ame□	□ot reported
File □ame□	Active □pen

C□R□□

□ame□	C□M□T□□ R□C□C□I□□ □ TRA□□F□R □TATI□□
Address□	□□□□ □ □□T R□ □□CRA□□ A□□□U□
City,□tate,□ip□	C□M□T□□, CA
□ite I□□	□□□□□□□
C□R□ I□□	□□□AA□□□□□□
C□R□ □escription□	□olid □ aste and Recycle □ites

Affiliation□

Affiliation Type □esc□	□egal □perator
□ntity □ame□	Allied □ aste Transfer □ervices of CA□□□C

BROWN-FERRIS IND (BFI) (Continued) **S103426964**

□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□cottsdale
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□
Affiliation □hone□	□ot reported

Affiliation Type □esc□	□egal □wner
□ntity □ame□	□FI of California, □□C
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□os Angeles
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□
Affiliation □hone□	□ot reported

□ame□	□R□ □□F□RRI□ I□□ □□FI□
Address□	□□□□ □ □□T R□ □□CRA□□
City,□tate,□ip□	C□ M□T□ □, CA □□□□□
□ite I□□	□□□□□□
C□R□ I□□	T□□□□□□□□□□
C□R□ □escription□	□eaking Underground □torage Tank Cleanup □ite

Affiliation□

Affiliation Type □esc□	Regional □oard Caseworker
□ntity □ame□	MAR□AM TAI□□ □□□ □ A□□ □□□□ R□ □C□ □R□□ I□□ □□
□ntity Title□	□ot reported
Affiliation Address□	□□□ □ . □TH □T., □UIT□ □□□
Affiliation City□	□□ □ A□□ □□□□
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□□□□□□□□□□

Affiliation Type □esc□	□ocal Agency Caseworker
□ntity □ame□	TIM □MITH □□□ □ A□□ □□□□ C□U□T□
□ntity Title□	□ot reported
Affiliation Address□	□□□ □. FR□M□□T A□□.
Affiliation City□	A□HAM□RA
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

C27 **BROWNING-FERRIS IND (BFI)** **UST** **U003777152**
NNE **2509 W ROSECRANS AVE** **N/A**
< 1/8 **LOS ANGELES, CA 90059**
0.093 mi.
491 ft. **Site 7 of 7 in cluster C**

Relative: U□T□
Higher

□ame□	A□□I□□ □ A□T□ □□R□IC□□
Address□	□□□□ □ R□ □□CRA□□ A□□
City,□tate,□ip□	C□ M□T□ □, CA □□□□□

Actual:
113 ft.

BROWNING-FERRIS IND (BFI) (Continued) **U003777152**

Facility ID:	ACoFA000000
Permitting Agency:	Los Angeles County Fire Department
Latitude:	00.000000
Longitude:	000.000000
Name:	BROWNING FERRIS IND FRRI INC FI
Address:	0000 R ORCRA 00
City,State,Zip:	00 A 000000, CA 000000
Facility ID:	000000
Permitting Agency:	00 A 000000, CITY OF
Latitude:	00.000000
Longitude:	000.000000

B28 **TEXTRON COATING INC** **RCRA-SQG 1001195425**
WNW **1123 N STANFORD** **FINDS CAR000020008**
< 1/8 **LOS ANGELES, CA 90059** **EMI**
0.102 mi.
540 ft. **Site 8 of 8 in cluster B**

Relative: Higher

Actual: 117 ft.

RCRA:

Date form received by agency:	00000000 - Initial notification.
Facility name:	TEXTRON COATING
Facility address:	0000 N STANFORD 00 A 000000, CA 000000
EPA ID:	CAR000000000
Contact:	RON MAY
Contact address:	0000 N STANFORD 00 A 000000, CA 000000
Contact country:	US
Contact telephone:	0000000000
Contact email:	Not reported
EPA Region:	00
Classification:	Small Small Quantity Generator
Description:	Handler generates more than 000 and less than 0000 kg of hazardous waste during any calendar month and accumulates less than 0000 kg of hazardous waste at any time; or generates 000 kg or less of hazardous waste during any calendar month, and accumulates more than 0000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	TEXTRON COATING
Owner/operator address:	0000 N STANFORD 00 A 000000, CA 000000
Owner/operator country:	Not reported
Owner/operator telephone:	0000000000
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No

TEXTRON COATING INC (Continued) **1001195425**

Transporter of ha ardous waste	o
Treater, storer or disposer of H	o
Underground in ection activity	o
n site urner e emption	o
Furnace e emption	o
Used oil fuel urner	o
Used oil processor	o
User oil refiner	o
Used oil fuel marketer to urner	o
Used oil pecification marketer	o
Used oil transfer facility	o
Used oil transporter	o

iolation tatus o violations found

FI
Registry I

Click Here

nvironmental Interest Information ystem
HA AR U AIR UTA T MA R
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 ha ardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities re uired under RCRA.

Click this hyperlink while viewing on your computer to access additional FI detail in the R ite Report.

MI

ame	T TR C ATI , I C
Address	A TA F R A
City, tate, ip	A , CA
ear	
County Code	
Air asin	C
Facility I	
Air istrict ame	C
IC Code	
Air istrict ame	UTH C A T A M
Community Health Air ollution Info ystem	ot reported
Consolidated mission Reporting Rule	ot reported
Total rganic Hydrocar on ases Tons r	
Reactive rganic ases Tons r	
Car on Mono ide missions Tons r	
ides of itrogen Tons r	
ides of ulphur Tons r	
articulate Matter Tons r	
art. Matter Micrometers and mllr Tons r	

ame	T TR C ATI , I C
Address	A TA F R A
City, tate, ip	A , CA
ear	
County Code	
Air asin	C

TEXTRON COATING INC (Continued) **1001195425**

Facility I□□	□□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□
Reactive □rganic □ases Tons□□r□	□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

□ame□	T□□TR□□ C□ATI□□, I□C
Address□	□□□□□2A □ □TA□F□R□ A□
City,□tate,□ip□	□□□ A□□□□□□, CA □□□□□□
□ear□	□□□□
County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□
Reactive □rganic □ases Tons□□r□	□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

□ame□	T□□TR□□ C□ATI□□, I□C
Address□	□□□□□2A □ □TA□F□R□ A□
City,□tate,□ip□	□□□ A□□□□□□, CA □□□□□□
□ear□	□□□□
County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□
Reactive □rganic □ases Tons□□r□	□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

□ame□	T□□TR□□ C□ATI□□, I□C
Address□	□□□□□2A □ □TA□F□R□ A□
City,□tate,□ip□	□□□ A□□□□□□, CA □□□□□□

TEXTRON COATING INC (Continued) **1001195425**

□ear□	□□□□
County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□
Reactive □rganic □ases Tons□□r□	□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

□ame□	T□□TR□□ C□ATI□□, I□C
Address□	□□□□□A □ □TA□F□R□ A□
City,□tate,□ip□	□□□ A□□□□□□, CA □□□□□
□ear□	□□□□
County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□
Reactive □rganic □ases Tons□□r□	□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

□ame□	T□□TR□□ C□ATI□□, I□C
Address□	□□□□□A □ □TA□F□R□ A□
City,□tate,□ip□	□□□ A□□□□□□, CA □□□□□
□ear□	□□□□
County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□
Reactive □rganic □ases Tons□□r□	□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

D29 **M STAR GAS STATION** **EDR Hist Auto** **1008994154**
East **1014 E ROSECRANS AVE** **N/A**
< 1/8 **COMPTON, CA 90220**
0.124 mi.
656 ft. **Site 1 of 3 in cluster D**

Relative: □□R Hist Auto
Lower

Actual: **110 ft.**

□ear	□ame	Type
□□□□	□A□I□□□ □I□□F C□M□T□□	□ot reported
□□□□	M □TAR □A□ □TATI□□	□asoline □ervice □tations, □□C
□□□□	M □TAR □A□ □TATI□□	□asoline □ervice □tations, □□C
□□□□	M □TAR □A□ □TATI□□	□asoline □ervice □tations, □□C
□□□□	M □TAR □A□ □TATI□□	□asoline □ervice □tations, □□C

D30 **STOP & SAVE** **HIST UST** **U001562714**
East **1014 E.ROSECRANS** **N/A**
< 1/8 **COMPTON, CA 90220**
0.124 mi.
656 ft. **Site 2 of 3 in cluster D**

Relative: HI□T U□T□
Lower

Actual: **110 ft.**

□ame□	□T□□ □ □A□□
Address□	□□□□ □.R□□□CRA□□
City,□tate,□ip□	C□ M□T□□, CA □□□□□
File □um□er□	□ot reported
UR□□	□ot reported
Region□	□TAT□
Facility I□□	□□□□□□□□□□□
Facility Type□	□as □tation
□ther Type□	□ot reported
Contact □ame□	FRA□□ □ HIT□
Telephone□	□□□□□□□□□□
□wner □ame□	□□R□IC□ □I□ C□M□A□□
□wner Address□	□□□□ AT□A□TIC □□□□.
□wner City,□t,□ip□	□□ □ A□□□□□□, CA □□□□□
Total Tanks□	□□□□
Tank □um□	□□□
Container □um□	□
□ear Installed□	□ot reported
Tank Capacity□	□□□□□□□□
Tank Used for□	□R□ □UCT
Type of Fuel□	U□□□A□□□
Container Construction Thickness□	□□□
□eak □etection□	□tock Inventor, □ressure Test
Tank □um□	□□□
Container □um□	□
□ear Installed□	□ot reported
Tank Capacity□	□□□□□□□□
Tank Used for□	□R□ □UCT
Type of Fuel□	R□□ U□AR
Container Construction Thickness□	□□□
□eak □etection□	□tock Inventor, □ressure Test
Tank □um□	□□□
Container □um□	□
□ear Installed□	□ot reported
Tank Capacity□	□□□□□□□□

STOP & SAVE (Continued) **U001562714**

Tank Used for□	□R□ □UCT
Type of Fuel□	□R□MIUM
Container Construction Thickness□	□□□
□eak □etection□	□tock Inventor, □ressure Test
Tank □um□	□□□
Container □um□	□
□ear Installed□	□ot reported
Tank Capacity□	□□□□□□□□
Tank Used for□	□R□ □UCT
Type of Fuel□	□I□□□□
Container Construction Thickness□	□□□
□eak □etection□	□tock Inventor, □ressure Test

E31 **A & M FASTENER SERVICE INC** **RCRA NonGen / NLR** **1024846459**
NNW **1135 N MCKINLEY AVE** **CAL000400550**
1/8-1/4 **LOS ANGELES, CA 90059**
0.126 mi.
664 ft. **Site 1 of 3 in cluster E**

Relative:
Higher

Actual:
115 ft.

RCRA □on□en □□□R□

□ate form received □y agency□	□□□□□□□□□□□□ □□□□□□□□□□. □
Facility name□	A □ M FA□T□□□R □□R□IC□ I□C
Facility address□	□□□□ □ MC□I□ □□□ A□□ □□ □ A□□ □□□□, CA □□□□□
□□A I□□	CA□□□□□□□□□□
Contact□	MARI□ □□AMA□ □R
Contact address□	□□□□ □ MC□I□ □□□ A□□ □□ □ A□□ □□□□, CA □□□□□
Contact country□	□ot reported
Contact telephone□	□□□□□□□□□□□□□□
Contact email□	AMFA□T□□□R.MARI□□ □MAI□.C□M
□□A Region□	□□
Classification□	□on□□ enerator
□escription□	Handler□□ on□□ enerators do not presently generate ha□ardous waste

□wner□□ perator □ummary□

□wner□perator name□	MARI□ □□AMA□ □R
□wner□perator address□	□□□□ □ MC□I□ □□□ A□□ □□ □ A□□ □□□□, CA □□□□□
□wner□perator country□	□ot reported
□wner□perator telephone□	□□□□□□□□□□□□□□
□wner□perator email□	□ot reported
□wner□perator fa□□	□ot reported
□wner□perator e□tension□	□ot reported
□egal status□	□ther
□wner□□ perator Type□	□perator
□wner□□ p start date□	□ot reported
□wner□□ p end date□	□ot reported

□wner□perator name□	MARI□ □□AMA□ □R
□wner□perator address□	□□□□ □ MC□I□ □□□ A□□ □□ □ A□□ □□□□, CA □□□□□
□wner□perator country□	□ot reported
□wner□perator telephone□	□□□□□□□□□□□□□□
□wner□perator email□	□ot reported
□wner□perator fa□□	□ot reported

A & M FASTENER SERVICE INC (Continued) **1024846459**

□wner□operator e□tension□ □ot reported
□egal status□ □ther
□wner□□ perator Type□ □wner
□wner□□ p start date□ □ot reported
□wner□□ p end date□ □ot reported

Handler Activities □ummary□
U.□. importer of ha□ardous waste□ □o
Mi□ed waste □ha□. and radioactive□□ □o
Recycler of ha□ardous waste□ □o
Transporter of ha□ardous waste□ □o
Treater, storer or disposer of H□ □ □o
Underground in□ection activity□ □o
□n□site □urner e□emption□ □o
Furnace e□emption□ □o
Used oil fuel □urner□ □o
Used oil processor□ □o
User oil refiner□ □o
Used oil fuel marketer to □urner□ □o
Used oil □pecification marketer□ □o
Used oil transfer facility□ □o
Used oil transporter□ □o

□iolation □tatus□ □o violations found

E32 **A & M FASTENER SERVICES** **CERS HAZ WASTE** **S118236817**
NNW **1135 N MCKINLEY AVE** **HAZNET** **N/A**
1/8-1/4 **LOS ANGELES, CA 90059** **CERS**
0.126 mi. **HWTS**
664 ft. **Site 2 of 3 in cluster E**

Relative: C□R□ HA□ □ A□T□□
Higher □ame□ A □ M FA□T□□□R □□R□IC□□
Address□ □□□□ □ MC□I□□□□ A□□
Actual: City,□tate,□ip□ □□ □ A□□ □□□□, CA □□□□□
115 ft. □ite I□□ □□□□
C□R□ I□□ □□□□□□□□
C□R□ □escription□ Ha□ardous □ aste □enerator

HA□□□T□
□ame□ A □ M FA□T□□□R □□R□IC□ I□C
Address□ □□□□ □ MC□I□□□□ A□□
Address □□ □ot reported
City,□tate,□ip□ □□ □ A□□ □□□□, CA □□□□□
Contact□ MARI□ □□AMA□ □R
Telephone□ □□□□□□□□□□
Mailing □ame□ □ot reported
Mailing Address□ □□□□ □ MC□I□□□□ A□□

□ear□ □□□□
□epaid□ CA□□□□□□□□□□
T□□ □□A I□□ CA□□□□□□□□□□
CA □ aste Code□ □□□ □□ther organic solids
□isposal Method□ H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□o
Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
Tons□ □.□□□□□

□ear□ □□□□

A & M FASTENER SERVICES (Continued) **S118236817**

epaid
T A I
CA aste Code
isposal Method
Tons

CA
CA
ther organic solids
H torage, ulking, And r Transfer ff ite o
Treatment Reovery H H r H H
.

ear
epaid
T A I
CA aste Code
isposal Method
Tons

CA
CA
ther organic solids
H torage, ulking, And r Transfer ff ite o
Treatment Reovery H H r H H
.

Additional Info
ear
en A I

CA

hipment ate
Creation ate
Receipt ate
Manifest I
Trans A I
Trans ame
Trans A I
Trans ame
T F A I
Trans ame
T F Alt A I
T F Alt ame
aste Code escription
RCRA Code
Meth Code

CAR
IR M TA I TIC I C
ot reported
ot reported
CA
FI T R R C C I R IC I C
ot reported
ot reported
ther organic solids
ot reported
H torage, ulking, And r Transfer ff ite o
Treatment Reovery H H r H H

uantity Tons
aste uantity
uantity Unit
Additional Code
Additional Code
Additional Code
Additional Code
Additional Code

.
ot reported
ot reported
ot reported
ot reported
ot reported

Additional Info
ear
en A I

CA

hipment ate
Creation ate
Receipt ate
Manifest I
Trans A I
Trans ame
Trans A I

CAR
IR M TA I TIC I C
ot reported

A & M FASTENER SERVICES (Continued) **S118236817**

Trans ame	ot reported
T F A I	CA
Trans ame	FI T R R C C I R IC I C
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	ther organic solids
RCRA Code	ot reported
Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	
Trans A I	CAR
Trans ame	IR M TA I TIC , I C.
Trans A I	ot reported
Trans ame	ot reported
T F A I	CA
Trans ame	FI T R R C C I R IC , I C.
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	ther organic solids
RCRA Code	ot reported
Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported

C R

ame	A M FA T R R IC
Address	MC I A
City, tate, ip	A , CA
ite I	
C R I	
C R escription	Chemical torage Facilities

iolations

ite I	
ite ame	A M FA T R R IC
iolation ate	
Citation	H C . a California Health and afety Code, Chapter . , ection s a

A & M FASTENER SERVICES (Continued) **S118236817**

□iolation □escription□ Failure to properly dispose of ha□ardous waste at an authori□ed location.

□iolation □otes□ Returned to compliance on □□□□□□□□□□. □□□□R□ATI□ □□□ enerator has failed to properly dispose of ha□ardous waste at an authori□ed location. □□hop rags contaminated with used oil were removed from the municipal trash □in. □iolation a□ated during the inspection. C□ RR□CTI□□ ACTI□ □□The □wner□□perator shall dispose of all ha□ardous waste at an authori□ed location as re□uired in Title □□ regulations. □ocumentaion records of disposal of any ha□ardous wastes must □e maintained in accordance with Title □□.

□iolation □ivision□ □os Angeles County Fire □epartment

□iolation □rogram□ H□

□iolation □ource□ C□R□

□ite I□□ □□□□

□ite □ame□ A □ M FA□T□□□R □□R□IC□□

□iolation □ate□ □□□□□□□□□□

Citation□ H□C □.□ Multiple □California Health and □afety Code, Chapter □.□, □ection□s□Multiple

□iolation □escription□ Ha□□aste □enerator □rogram □Administration□□ocumentation □□eneral

□iolation □otes□ Returned to compliance on □□□□□□□□□□. □□□□R□ATI□ □□The □wner□□perator failed to o□tain or no longer has an active ha□ardous waste generator permit. □All re□uired □usiness information has provided to process a new CU□A permit. □iolation a□ated during inspection. C□ RR□CTI□□ ACTI□ □□The □wner□□perator shall immediately apply to receive a new or renewed ha□ardous waste generator permit and maintain that permit as active as long as the facility is in operation and continues to generate ha□ardous waste.

□iolation □ivision□ □os Angeles County Fire □epartment

□iolation □rogram□ H□

□iolation □ource□ C□R□

□ite I□□ □□□□

□ite □ame□ A □ M FA□T□□□R □□R□IC□□

□iolation □ate□ □□□□□□□□□□

Citation□ H□C □.□□ □□□□□□a□□□□California Health and □afety Code, Chapter □.□□, □ection□s□□□□□□□a□□□

□iolation □escription□ Failure to complete and electronically su□mit a site map with all re□uired content.

□iolation □otes□ Returned to compliance on □□□□□□□□□□. □□□□R□ATI□ □□The □usiness failed to complete and electronically su□mit a site map with all re□uired content. C□ RR□CTI□□ ACTI□ □□Complete and electronically su□mit a site map with all re□uired content. □iolation corrected on site.

□iolation □ivision□ □os Angeles County Fire □epartment

□iolation □rogram□ HMRR□

□iolation □ource□ C□R□

□ite I□□ □□□□

□ite □ame□ A □ M FA□T□□□R □□R□IC□□

□iolation □ate□ □□□□□□□□□□

Citation□ □□ CCR □□ □□□□□.□□□□□□□□California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□.□□□□□□□□

□iolation □escription□ Failure to dispose of ha□ardous waste after the first □□□□kilogram threshold amount was accumulated within a □□ day period.

□iolation □otes□ Returned to compliance on □□□□□□□□□□. □□□□R□ATI□ □□The generator failed to dispose of ha□ardous waste after the first □□□□kilogram threshold amount was accumulated within a □□ day period. □t is

A & M FASTENER SERVICES (Continued) **S118236817**

unknown how long one □□ gallon drum with contaminated soil and a cut plastic container with waste oil have □een accumulating ha□ardous waste. C□ RR□CTI□□ ACTI□ □□Immediately contact a licensed ha□ardous waste hauler to dispose of this waste under manifest and su□mit a copy of the manifest to the CU□A □y □□□□□□□.

□iolation □ivision□ □os Angeles County Fire □epartment
□iolation □rogram□ H□
□iolation □ource□ C□R□

□ite I□□ □□□□
□ite □ame□ A □ M FA□T□□□R □□R□IC□□
□iolation □ate□ □□□□□□□□□□
Citation□ H□C □.□ □□□□□.□□h□□□□California Health and □afety Code, Chapter □.□, □ection□s□□□□□.□□h□□□

□iolation □escription□ Failure to send ha□ardous waste offsite for treatment, storage, or disposal within □□□ days □or □□□ days if waste is transported over □□□ miles□for a generator who generates less than □□□□ kilogram per month if all of the following conditions are met□□□□The □uantity of ha□ardous waste accumulated onsite never e□ceeds □,□□□ kilograms. □□□ The generator complies with the re□uirements of □□ Code of Federal Regulations section □□□.□□□(d), (e) and (f). □□□The generator does not hold acutely ha□ardous waste or e□tremely ha□ardous waste in an amount greater than one kilogram for more than □□ days.

□iolation □otes□ Returned to compliance on □□□□□□□□□□. □□□□R□ATI□ □□Ha□ardous waste manifest indicate last disposal date to □e □uly □□□□. C□ RR□CTI□□ ACTI□ □□□Please dispose of oily a□sor□ent and su□mit a copy of the manifest□receipt to the CU□A.

□iolation □ivision□ □os Angeles County Fire □epartment
□iolation □rogram□ H□
□iolation □ource□ C□R□

□ite I□□ □□□□
□ite □ame□ A □ M FA□T□□□R □□R□IC□□
□iolation □ate□ □□□□□□□□□□
Citation□ H□C □.□□ □□□□□□a□□□□California Health and □afety Code, Chapter □.□□, □ection□s□□□□□□□a□□□

□iolation □escription□ Failure to complete and electronically su□mit ha□ardous material inventory information for all reporta□le ha□ardous materials on site at or a□ove reporta□le □uantities.

□iolation □otes□ Returned to compliance on □□□□□□□□□□. □□□□R□ATI□ □□The □usiness did not accurately electronically su□mit chemical inventory information for all reporta□le ha□ardous materials on site at or a□ove reporta□le □uantities. C□ RR□CTI□□ ACTI□ □□Complete and electronically su□mit the chemical inventory information for all reporta□le ha□ardous materials on site at or a□ove reporta□le □uantities. Completed inventory on site with operator □violation corrected on site.

□iolation □ivision□ □os Angeles County Fire □epartment
□iolation □rogram□ HMRR□
□iolation □ource□ C□R□

□ite I□□ □□□□
□ite □ame□ A □ M FA□T□□□R □□R□IC□□
□iolation □ate□ □□□□□□□□□□
Citation□ □□ CCR □□ □□□□□□.□□□f□□California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□.□□□f□

□iolation □escription□ Failure to properly la□el ha□ardous waste accumulation containers with the following re□uirements□□Ha□ardous □ aste□ name and address of the

A & M FASTENER SERVICES (Continued) **S118236817**

generator, physical and chemical characteristics of the Ha□ardous □ aste, and starting accumulation date.

□iolation □otes□ Returned to compliance on □□□□□□□□□□. □ □□□R□ATI□ □□□ ne □ gallon □ucket with oily waste a□sor□ent, one □□ gallon drum with contaminated soil, and one □lue plastic container□outside□with waste oil are not la□eled.. All ha□ardous waste containers shall □e marked with the following information□□□the words □ Ha□ardous □ aste□ □□□name and address of generator□□□ha□ardous properties□□□physical state□□□ composition □contents□□□□accumulation start date. C□ RR□CTI□□ ACTI□ □□ Immediately la□el these containers and ensure that all ha□ardous waste containers are marked with all the re□uired information.

□iolation □ivision□ □os Angeles County Fire □epartment
□iolation □rogram□ H□
□iolation □ource□ C□R□

□ite I□□ □□□□
□ite □ame□ A □ M FA□T□□□R □□R□IC□□
□iolation □ate□ □□□□□□□□□□
Citation□ □□ CCR □□ □□□□□.□□ □California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□.□□
□iolation □escription□ Failure to o□tain and□or maintain an Active □□A I□.
□iolation □otes□ Returned to compliance on □□□□□□□□□□. □ □□□R□ATI□ □□This facility does not have a valid □□A I□ num□er to manage ha□ardous waste. A ha□ardous waste generator shall not treat, store, dispose of, transport or offer for transportation, ha□ardous waste without an □□A I□ num□er. C□ RR□CTI□□ ACTI□ □□Immediately o□tain an □□A I□ num□er through □T□C to manage ha□ardous waste and su□mit evidence to the CU□A □y □□□□□□□.

□iolation □ivision□ □os Angeles County Fire □epartment
□iolation □rogram□ H□
□iolation □ource□ C□R□

□ite I□□ □□□□
□ite □ame□ A □ M FA□T□□□R □□R□IC□□
□iolation □ate□ □□□□□□□□□□
Citation□ □□ CFR □ □□□.□□□ □U.□. Code of Federal Regulations, Title □□, Chapter □, □ection□s□□□□.□□□
□iolation □escription□ Failure to properly close ha□ardous waste containers when not in active use.
□iolation □otes□ Returned to compliance on □□□□□□□□□□. □ □□□R□ATI□ □□□ ne □ gallon □ucket with oily waste a□sor□ent, one □□ gallon drum with contaminated soil, and one □lue plastic container□outside□with waste oil are not closed.. All ha□ardous waste containers shall □e closed at all times e□cept when adding or removing waste. C□ RR□CTI□□ ACTI□ □□Immediately close these containers and ensure all ha□ardous waste containers are closed when not adding or removing waste.

□iolation □ivision□ □os Angeles County Fire □epartment
□iolation □rogram□ H□
□iolation □ource□ C□R□

□valuation□
□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□
□iolations Found□ □es
□val Type□ Routine done □y local agency
□val □otes□ Mario □eaman, □resident
□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ HMRR□

A & M FASTENER SERVICES (Continued) **S118236817**

□val □ource□ C□R□

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□
□iolations Found□ □es
□val Type□ Routine done □y local agency
□val □otes□ Mario □eaman, □resident
□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ H□
□val □ource□ C□R□

□val □eneral Type□ □ther□Unknown
□val □ate□ □□□□□□□□□□□
□iolations Found□ □o
□val Type□ □ther, not routine, done □y local agency
□val □otes□ Follow up inspection and discussion of satellite accumulation re□uirements. □iolations corrected and □□□ a□ated.
□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ H□
□val □ource□ C□R□

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□
□iolations Found□ □es
□val Type□ Routine done □y local agency
□val □otes□ □ot reported
□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ H□
□val □ource□ C□R□

□val □eneral Type□ □ther□Unknown
□val □ate□ □□□□□□□□□□□
□iolations Found□ □o
□val Type□ □ther, not routine, done □y local agency
□val □otes□ □ot reported
□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ H□
□val □ource□ C□R□

Coordinates□
□ite I□□ □□□□
Facility □ame□ A □ M FA□T□□□R □□R□IC□□
□nv Int Type Code□ H□ □
□rogram I□□ □□□□□□□□
Coord □ame□ □ot reported
Ref □oint Type □esc□ Center of a facility or station.
□atitude□ □□.□□□□□□
□ongitude□ □□□□.□□□□□□

Affiliation□
Affiliation Type □esc□ CU□A □istrict
□ntity □ame□ □os Angeles County Fire
□ntity Title□ □ot reported
Affiliation Address□ □□□□ Ricken□acker Road
Affiliation City□ Commerce
Affiliation □tate□ CA

A & M FASTENER SERVICES (Continued) **S118236817**

Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	Facility Mailing Address
□ntity □ame□	Mailing Address
□ntity Title□	□ot reported
Affiliation Address□	□□□□ M. Mc□inley Ave.
Affiliation City□	□os Angeles
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□
Affiliation □hone□	□ot reported
Affiliation Type □esc□	□ocument □reparer
□ntity □ame□	Mario □eaman □r
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported
Affiliation Type □esc□	□nvironmental Contact
□ntity □ame□	Mario □eaman □r.
□ntity Title□	□ot reported
Affiliation Address□	□□□□ □. Mc□inley Ave.
Affiliation City□	□os Angeles
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□
Affiliation □hone□	□ot reported
Affiliation Type □esc□	□roperty □wner
□ntity □ame□	A□el Huerta
□ntity Title□	□ot reported
Affiliation Address□	□□□□ □ Mckinley Ave
Affiliation City□	□os Angeles
Affiliation □tate□	CA
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	Identification □igner
□ntity □ame□	Mario □eaman □r
□ntity Title□	□eneral Manager
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported
Affiliation Type □esc□	□perator
□ntity □ame□	Mario □eaman □r.
□ntity Title□	□ot reported

A & M FASTENER SERVICES (Continued) **S118236817**

Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	□egal □wner
□ntity □ame□	A□□□ HU□RTA, □R
□ntity Title□	□ot reported
Affiliation Address□	□□□□ □ MC□I□□□□ A□□
Affiliation City□	C□ M□T□ □
Affiliation □tate□	CA
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	□arent Corporation
□ntity □ame□	A □ M FA□T□□□R □□R□IC□□
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

H□ T□□

□ame□	A □ M FA□T□□□R □□R□IC□ I□C
Address□	□□□□ □ MC□I□□□□ A□□
Address □□	□ot reported
City,□tate,□ip□	□□ □ A□ □□□□, CA □□□□□
□□A I□ □	CA□□□□□□□□□□
Inactive □ate□	□ot reported
Create □ate□	□□□□□□□□
□ast Act □ate□	□□□□□□□□
Mailing □ame□	□ot reported
Mailing Address□	□□□□ □ MC□I□□□□ A□□
Mailing Address □□	□ot reported
Mailing City,□tate,□ip□	□□ □ A□ □□□□, CA □□□□□
□wner □ame□	MARI□ □□AMA□ □R
□wner Address□	□□□□ □ MC□I□□□□ A□□
□wner Address □□	□ot reported
□wner City,□tate,□ip□	□□ □ A□ □□□□, CA □□□□□
Contact □ame□	MARI□ □□AMA□ □R
Contact Address□	□□□□ □ MC□I□□□□ A□□
Contact Address □□	□ot reported
City,□tate,□ip□	□□ □ A□ □□□□, CA □□□□□

□AIC□□

□□A I□ □	CA□□□□□□□□□□
Create □ate□	□□□□□□□□ □□□□□□□□
□AIC□ Code□	□□□□□□
□AIC□ □escription□	All □ther Motor □ehicle □arts Manufacturing
Issued □□A I□ □ate□	□□□□□□□□ □□□□□□□□
Inactive □ate□	□ot reported

A & M FASTENER SERVICES (Continued) **S118236817**

Facility □ame□	A □ M FA□T□□□R □□R□IC□ I□C
Facility Address□	□□□□ □ MC□I□□□□ A□□
Facility Address □□	□ot reported
Facility City□	□□ □ A□□ □□□□
Facility County□	□□
Facility □tate□	CA
Facility □ip□	□□□□□

D33 **SERVICE STATION - SAP 135511** **RCRA NonGen / NLR** **1005441113**
East **1160 E ROSECRANS/CENTRAL** **CAR000115642**
1/8-1/4 **LOS ANGELES, CA 90059**
0.140 mi.
741 ft. **Site 3 of 3 in cluster D**

Relative: RCRA □on□en □□R□
Lower

□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□.□

Facility name□	□□R□IC□ □TATI□□ □□A□ □□□□□□□
Facility address□	□□□□ □ R□ □□CRA□ □□C□□TRA□ □□ □ A□ □□□□□, CA □□□□□
□□A I□□	CAR□□□□□□□□□□
Mailing address□	□ □ □□□ □□□□ H□U□T□ □, T□ □□□□□
Contact□	□□□ F □ I□□□ M
Contact address□	□ □ □□□ □□□□ H□U□T□ □, T□ □□□□□
Contact country□	U□
Contact telephone□	□□□□□□□□□□□□
Telephone e□t.□	□□□□
Contact email□	□ot reported
□□A Region□	□□
Classification□	□on□□ enerator
□escription□	Handler□□ on□□ enerators do not presently generate ha□ardous waste

□wner□□ perator □ummary□

□wner□operator name□	□□UI□□ □ □□T □□C□□□A □H□□□ □ I□ □R□ □ U□
□wner□operator address□	□ot reported □ot reported
□wner□operator country□	□ot reported
□wner□operator telephone□	□ot reported
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□rivate
□wner□□ perator Type□	□perator
□wner□□ p start date□	□□□□□□□□□□ □□□□□□□□□.□
□wner□□ p end date□	□ot reported

□wner□operator name□	□□UI□□ □ □□T □□C □□A □H□□□ □ I□ U□
□wner□operator address□	□ □ □□□ □□□□ H□U□T□ □, T□ □□□□□
□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□rivate

SERVICE STATION - SAP 135511 (Continued) **1005441113**

□wner□□ perator Type□ □wner
□wner□□ p start date□ □ot reported
□wner□□ p end date□ □ot reported

□wner□operator name□ □□UI□□ □ □□T □□C□□□A □H□□□ □ I□ □R□□ U□
□wner□operator address□ □ □ □□□ □□□□
H□U□T□□, T□ □□□□□
□wner□operator country□ U□
□wner□operator telephone□ □ot reported
□wner□operator email□ □ot reported
□wner□operator fa□□ □ot reported
□wner□operator e□tension□ □ot reported
□egal status□ □ther
□wner□□ perator Type□ □wner
□wner□□ p start date□ □□□□□□□□□□□ □□□□□□□□□.
□wner□□ p end date□ □ot reported

Handler Activities □ummary□

U.□. importer of ha□ardous waste□	□o
Mi□ed waste □ha□. and radioactive□□	□o
Recycler of ha□ardous waste□	□o
Transporter of ha□ardous waste□	□o
Treater, storer or disposer of H□ □	□o
Underground in□ection activity□	□o
□n□site □urner e□emption□	□o
Furnace e□emption□	□o
Used oil fuel □urner□	□o
Used oil processor□	□o
User oil refiner□	□o
Used oil fuel marketer to □urner□	□o
Used oil □pecification marketer□	□o
Used oil transfer facility□	□o
Used oil transporter□	□o

Historical □enerators□

□ate form received □y agency□□□□□□□□□□□ □□□□□□□□□.□
□ite name□ □□R□IC□ □TATI□□ □□A□ □□□□□□□
Classification□ □arge □uantity □enerator

□ate form received □y agency□□□□□□□□□□□ □□□□□□□□□.□
□ite name□ □H□□□ □□R□IC□ □TATI□□
Classification□ □mall □uantity □enerator

Ha□ardous □aste □ummary□

. □aste code□ □□□□
. □aste name□ I□□ITA□□□ □ A□T□

. □aste code□ □□□□
. □aste name□ C□RR□□I□□ □ A□T□

. □aste code□ □□□□
. □aste name□ □□□□□□□

□iolation □tatus□ □o violations found

E34 **CALIFORNIA FRAMES, INC.** **LUST** **S100228896**
NNW **13945 MCKINLEY AVE** **Cortese** **N/A**
1/8-1/4 **WILLOWBROOK, CA 90059** **HIST CORTESE**
0.154 mi. **CERS**
815 ft. **Site 3 of 3 in cluster E**

Relative: □U□T R□□ □□
Higher

Actual:
116 ft.

Region□	□	
Regional □oard□	□□	
County□	□os Angeles	
Facility Id□	□□□□□□□□□	
□tatus□	□eak □eing confirmed	
□u□stance□	□asoline	
□u□stance □uantity□	□ot reported	
□ocal Case □o□	□ot reported	
Case Type□	□oil	
A□atement Method Used at the □ite□		□ot reported
□lo□al I□□	T□□□□□□□□□□	
□ □lo□al I□□	□ot reported	
□taff□	U□□	
□ocal Agency□	□□□□□	
Cross □treet□	R□ □□CRA□□ A□□.	
□nforcement Type□	□ot reported	
□ate □eak □iscovered□	□□□□□□□□□	
□ate □eak First Reported□		□□□□□□□□
□ate □eak Record □ntered□	□□□□□□□□□	
□ate Confirmation □egan□	□□□□□□□□	
□ate □eak □topped□	□□□□□□□□□	
□ate Case □ast Changed on □ata□ase□		□□□□□□□□
□ate the Case was Closed□		□ot reported
How □eak □iscovered□	Tank Closure	
How □eak □topped□	□ot reported	
Cause of □eak□	U□□	
□eak □ource□	U□□	
□perator□	T□□□□, R□□	
□ ater □ystem□	□ot reported	
□ ell □ame□	□ot reported	
Appro□. □ist To □roduction □ ell □ft□□		□□□□.□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□ource of Cleanup Funding□		U□□
□reliminary □ite Assessment □ orkplan □u□mitted□□		□ot reported
□reliminary □ite Assessment □egan□		□ot reported
□ollution Characteri□ation □egan□		□ot reported
Remediation □lan □u□mitted□		□ot reported
Remedial Action Underway□		□ot reported
□ost Remedial Action Monitoring □egan□		□ot reported
□nforcement Action □ate□		□ot reported
Historical Ma□ MT□□ □ate□		□ot reported
Hist Ma□ MT□□ Conc in □roundwater□		□ot reported
Hist Ma□ MT□□ Conc in □oil□		□ot reported
□ignificant Interim Remedial Action Taken□		□ot reported
□□ □ualifier□	□ot reported	
□oil □ualifier□	□ot reported	
□rgani□ation□	□ot reported	
□wner Contact□	□ot reported	
Responsi□le □arty□	CA□IF□R□IA FRAM□□, I□C.	
R□ Address□	□□□□□ MC□I□□□□ A□□., □ I□□□□ □ R□□□, □□□□□	
□rogram□	□U□T	
□at□□ong□	□□.□□□□□□□ □□□	
□ocal Agency □taff□	□ot reported	

CALIFORNIA FRAMES, INC. (Continued) **S100228896**

□eneficial Use□	□ot reported
□riority□	□ot reported
Cleanup Fund Id□	□ot reported
□uspended□	□ot reported
Assigned □ame□	□ot reported
□ummary□	□ot reported

□U□T□

□ame□	CA□IF□ R□IA FRAM□□, I□C.
Address□	□□□□□ MC□ I□□□□ A□□
City,□tate,□ip□	□ I□□□□ □ R□□□, CA □□□□□
□ead Agency□	□□ □ A□□□□□□ C□U□T□
Case Type□	□U□T Cleanup □ite
□eo Track□	http□□□geotracker.water□oards.ca.gov□profile□report.asp□glo□al□id□T□□□□□□□□□□
□lo□al Id□	T□□□□□□□□□□
□atitude□	□□.□□□□□□□
□ongitude□	□□□□.□□□□□□□
□tatus□	Completed □Case Closed
□tatus □ate□	□□□□□□□□□
Case □ orker□	□□A
R□ Case □um□er□	□□□□□□□□□
□ocal Agency□	□□ □ A□□□□□□ C□U□T□
File □ocation□	□ot reported
□ocal Case □um□er□	□ot reported
□otential Media Affect□	□oil
□otential Contaminants of Concern□	□asoline
□ite History□	□ot reported

□U□T□

□lo□al Id□	T□□□□□□□□□□
Contact Type□	□ocal Agency Caseworker
Contact □ame□	□□H□ A□ U□□
□rgani□ation □ame□	□□ □ A□□□□□□ C□U□T□
Address□	□□□ □ FR□M□□T A□□
City□	A□HAM□RA
□mail□	□awu□o□ dpw.lacounty.gov
□hone □um□er□	□□□□□□□□□□

□lo□al Id□	T□□□□□□□□□□
Contact Type□	Regional □oard Caseworker
Contact □ame□	□U□ R□□□
□rgani□ation □ame□	□□ □ A□□□□□□ R□ □C□ □R□□ I□□ □□
Address□	□□□ □ . □TH □T., □UIT□ □□□
City□	□os Angeles
□mail□	yrong□ water□oards.ca.gov
□hone □um□er□	□ot reported

□U□T□

□lo□al Id□	T□□□□□□□□□□
Action Type□	□ther
□ate□	□□□□□□□□□
Action□	□eak □iscovery

□lo□al Id□	T□□□□□□□□□□
Action Type□	□ther
□ate□	□□□□□□□□□
Action□	□eak □topped

CALIFORNIA FRAMES, INC. (Continued) **S100228896**

□lo□al Id□ T□□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□□□□□□□□
Action□ □eak Reported

□U□T□
□lo□al Id□ T□□□□□□□□□□□
□tatus□ □pen □Case □egin □ate
□tatus □ate□ □□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□
□tatus□ □pen □□ite Assessment
□tatus □ate□ □□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□
□tatus□ Completed □Case Closed
□tatus □ate□ □□□□□□□□□□□

C□RT□□□□
□ame□ CA□IF□R□IA FRAM□□, I□C.
Address□ □□□□□ MC□I□□□□ A□□
City,□tate,□ip□ □I□□□□ □R□□□, CA □□□□□
Region□ C□RT□□□
□nvirostor Id□ □ot reported
□lo□al I□□ T□□□□□□□□□□□
□ite□Facility Type□ □U□T C□□A□U□ □IT□
Cleanup □tatus□ C□M□□□T□□ □CA□□ C□□ □□□
□tatus □ate□ □ot reported
□ite Code□ □ot reported
□atitude□ □ot reported
□ongitude□ □ot reported
□wner□ □ot reported
□nf Type□ □ot reported
□wat R□ □ot reported
Flag□ active
□rder □o□ □ot reported
□ aste □ischarge □ystem □o□ □ot reported
□ffective □ate□ □ot reported
Region □□ □ot reported
□ I□ Id□ □ot reported
□olid □ aste Id □o□ □ot reported
□ aste Management Uit □ame□ □ot reported
File □ame□ Active □pen

HI□T C□RT□□□□
edr□fname□ CA□IF□R□IA FRAM□□, I□C.
edr□fadd□□ □□□□□ MC□I□□□□
City,□tate,□ip□ □□□ A□□□□□□, CA □□□□□
Region□ C□RT□□□
Facility County Code□ □□
Reg □y□ □T□□A
Reg Id□ □□□□□□□□□

C□R□□

CALIFORNIA FRAMES, INC. (Continued) **S100228896**

□ame□	CA□IF□ R□IA FRAM□□, I□C.
Address□	□□□□□ MC□I□□□□ A□□
City,□tate,□ip□	□ I□□□□ □R□□□, CA □□□□□
□ite I□□	□□□□□□□
C□R□ I□□	T□□□□□□□□□□□
C□R□ □escription□	□eaking Underground □torage Tank Cleanup □ite

Affiliation□

Affiliation Type □esc□	□ocal Agency Caseworker
□ntity □ame□	□□H□ A□ U□□ □□□□ A□□□□□□ C□U□T□
□ntity Title□	□ot reported
Affiliation Address□	□□□ □ FR□M□□T A□□
Affiliation City□	A□HAM□RA
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□□□□□□□□□□

Affiliation Type □esc□	Regional □oard Caseworker
□ntity □ame□	□U□ R□□□ □□□□ A□□□□□□ R□ □C□ □R□□I□□ □□
□ntity Title□	□ot reported
Affiliation Address□	□□□ □ . □TH □T., □UIT□ □□□
Affiliation City□	□os Angeles
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

F35 **WEST ROSECRANS AVE** **SWEEPS UST** **S103392548**
NE **2501 W ROSECRANS AVE** **LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **COMPTON, CA 90222** **CIWQS**
0.165 mi.
869 ft. **Site 1 of 5 in cluster F**

Relative: □□ □□□□ U□T□
Lower

Actual:
111 ft.

□ame□	□ARA□□□ □□UI□□□□□M□R □R□□□
Address□	□□□□ □ R□□□CRA□□ A□□
City□	C□M□T□□
□tatus□	Active
Comp □um□er□	□□□□□
□um□er□	□
□oard □f □□uali□ation□	□ot reported
Referral □ate□	□□□□□□□□
Action □ate□	□ot reported
Created □ate□	□□□□□□□□
□wner Tank Id□	□ot reported
□□ RC□ Tank Id□	□ot reported
Tank □tatus□	□ot reported
Capacity□	□ot reported
Active □ate□	□ot reported
Tank Use□	□ot reported
□T□□	□ot reported
Content□	□ot reported
□um□er □f Tanks□	□ot reported

□□ □ A□□□□□□ C□. HM□□
□ame□ □ARA□□□ □□UI□ □□□□M□R □R□□□

WEST ROSECRANS AVE (Continued) **S103392548**

Address□ □□□□ □ R□ □□CRA□□ A□□
City,□tate,□ip□ C□ M□T□□, CA □□□□□
Region□ □A
□ermit Category□ □ot reported
Facility Id□ □□□□□□□□□□□□□□
Facility Type□ □ot reported
Facility □tatus□ Removed
Area□ □□
□ermit □um□er□ □ot reported
□ermit □tatus□ □ot reported

CI□ □□□

□ame□	□ □□T R□ □□CRA□□ A□□
Address□	□□□□ □ R□ □□CRA□□ A□□
City,□tate,□ip□	C□ M□T□□, CA □□□□□
Agency□	Inland □mpire Realty Holding Co Inc
Agency Address□	□□□□□ □ardeen Ave, Irvine, CA □□□□□
□lace□□ro□ect Type□	Construction □Commercial
□IC□□AIC□□	□ot reported
Region□	□
□rogram□	C□ □□T□
Regulatory Measure □tatus□	Terminated
Regulatory Measure Type□	□torm water construction
□rder □um□er□	□□□□□□□□□□□□□ □
□ □I□□	□ □□C□□□□□□□
□□□□□ □um□er□	CA□□□□□□□□
Adoption □ate□	□ot reported
□ffective □ate□	□□□□□□□□□□
Termination □ate□	□□□□□□□□□□
□□piration□Review □ate□	□ot reported
□esign Flow□	□ot reported
Ma□or□Minor□	□ot reported
Comple□ity□	□ot reported
TT□ □□	□ot reported
□nforcement Actions within □ years□	□
□iolations within □ years□	□
□atitude□	□□.□□□□□□□
□ongitude□	□□□□.□□□□□□□

F36 **C C L PLASTIC PACKAGING** **RCRA-SQG** **1000857235**
NE **2501 W ROSECRANS AVE** **CAD982375222**
1/8-1/4 **LOS ANGELES, CA 90059**
0.165 mi.
869 ft. **Site 2 of 5 in cluster F**

Relative: RCRA□□□□□
Lower
□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□.□

Actual:
111 ft.

Facility name□	C C □ □□A□TIC □AC□A□ I□□
Facility address□	□□□□ □ R□ □□CRA□□ A□□ □□ □ A□ □□□□□, CA □□□□□
□□A I□□	CA□□□□□□□□□□
Contact□	□U□□ CAR□□□
Contact address□	□□□□ □ R□ □□CRA□□ A□□ □□ □ A□ □□□□□, CA □□□□□
Contact country□	U□
Contact telephone□	□□□□□□□□□□□□
Contact email□	□ot reported

C C L PLASTIC PACKAGING (Continued) **1000857235**

□□A Region□ □□
Classification□ □mall □mall □uantity □enerator
□escription□ Handler□generates more than □□□ and less than □□□□ kg of ha□ardous waste during any calendar month and accumulates less than □□□□ kg of ha□ardous waste at any time□or generates □□□ kg or less of ha□ardous waste during any calendar month, and accumulates more than □□□□ kg of ha□ardous waste at any time

□wner□□ perator □ummary□

□wner□operator name□ C C □ □□A□TIC □AC□A□ I□□ I□C
□wner□operator address□ □□□□ □ R□ □□CRA□□ A□□
□□ □ A□ □□□□□, CA □□□□□
□wner□operator country□ □ot reported
□wner□operator telephone□ □□□□□□□□□□□□□
□wner□operator email□ □ot reported
□wner□operator fa□□ □ot reported
□wner□operator e□tension□ □ot reported
□egal status□ □rivate
□wner□□ perator Type□ □wner
□wner□□ p start date□ □ot reported
□wner□□ p end date□ □ot reported

Handler Activities □ummary□

U.□. importer of ha□ardous waste□ □o
Mi□ed waste □ha□. and radioactive□□ □o
Recycler of ha□ardous waste□ □o
Transporter of ha□ardous waste□ □o
Treater, storer or disposer of H□ □ □o
Underground in□ection activity□ □o
□n□site □urner e□emption□ □o
Furnace e□emption□ □o
Used oil fuel □urner□ □o
Used oil processor□ □o
User oil refiner□ □o
Used oil fuel marketer to □urner□ □o
Used oil □pecification marketer□ □o
Used oil transfer facility□ □o
Used oil transporter□ □o

Historical □enerators□

□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□□.□
□ite name□ CC□ □□A□TIC □AC□A□ I□□
Classification□ □arge □uantity □enerator

□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□□.□
□ite name□ CC□ □□A□TIC □AC□A□ I□□
Classification□ □arge □uantity □enerator

Ha□ardous □ aste □ummary□

. □ aste code□ □□□□
. □ aste name□ □ot □efined

. □ aste code□ □□□□
. □ aste name□ I□ □ITA□□□ □ A□T□

C C L PLASTIC PACKAGING (Continued) **1000857235**

. Waste code: 331
. Waste name: METALS

. Waste code: 336
. Waste name: TRICHLOROETHYLENE

. Waste code: 352
. Waste name: TRICHLOROETHANE

Violation Status: No violations found

F37 **ALL FOOD GROUP** **RCRA NonGen / NLR** **1026047059**
NE **2501 W ROSECRANS AVE** **CAC003053591**
1/8-1/4 **LOS ANGELES, CA 90059**
0.165 mi.
869 ft. **Site 3 of 5 in cluster F**

Relative: RCRA NonGen
Lower

Actual: Date form received by agency: 08/01/2001
111 ft.

Facility name: ALL FOOD GROUP
Facility address: 2501 W ROSECRANS AVE
LOS ANGELES, CA 90059
EPA ID: CAC003053591
Contact: ARTHUR RICHITT
Contact address: 2501 W ROSECRANS AVE
LOS ANGELES, CA 90059
Contact country: Not reported
Contact telephone: 310-532-1850
Contact email: ARTHUR.RICHITT@CHAR-BROIL.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: ARTHUR RICHITT
Owner/operator address: 2501 W ROSECRANS AVE
LOS ANGELES, CA 90059
Owner/operator country: Not reported
Owner/operator telephone: 310-532-1850
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ARTHUR RICHITT
Owner/operator address: 2501 W ROSECRANS AVE
LOS ANGELES, CA 90059
Owner/operator country: Not reported
Owner/operator telephone: 310-532-1850
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported

ALL FOOD GROUP (Continued) **1026047059**

□wner□□p end date□ □ot reported

Handler Activities □ummary□
U.□. importer of ha□ardous waste□ □o
Mi□ed waste □ha□. and radioactive□□ □ot reported
Recycler of ha□ardous waste□ □o
Transporter of ha□ardous waste□ □o
Treater, storer or disposer of H□ □ □o
Underground in□ection activity□ □o
□n□site □urner e□emption□ □o
Furnace e□emption□ □o
Used oil fuel □urner□ □o
Used oil processor□ □o
User oil refiner□ □o
Used oil fuel marketer to □urner□ □o
Used oil □pecification marketer□ □o
Used oil transfer facility□ □o
Used oil transporter□ □o

□iolation □tatus□ □o violations found

F38 **AVALON COLD STORAGE, LLC** **RCRA NonGen / NLR** **1026052358**
NE **2501 W ROSECRANS AVE** **CAC003059252**
1/8-1/4 **LOS ANGELES, CA 90059**
0.165 mi.
869 ft. **Site 4 of 5 in cluster F**

Relative: RCRA □on□en □□R□
Lower
□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□□.□
Actual: Facility name□ A□A□□□ C□□□ □T□ RA□□, □□C
111 ft. Facility address□ □□□□ □ R□□□CRA□□ A□□
□□□ A□□□□□□, CA □□□□□□□□□□
□□A I□□ CAC□□□□□□□□□□
Mailing address□ □□□□□□ A□□□U□ □A□□□□ □I□□
□A□□□CIA, CA □□□□□□
Contact□ □URT CAHI□□
Contact address□ □□□□□□ A□□□U□ □A□□□□ □I□□
□A□□□CIA, CA □□□□□□
Contact country□ □ot reported
Contact telephone□ □□□□□□□□□□□□□
Contact email□ □URT.CAHI□□□ □A□C□□T□RF□□□□.C□M
□□A Region□ □□
Classification□ □on□□enerator
□escription□ Handler□□on□□enerators do not presently generate ha□ardous waste

□wner□□perator □ummary□
□wner□operator name□ □□□ I□□□□R
□wner□operator address□ □□□□ □UFFI□□T□□ R□
AT□A□TA, □A □□□□□
□wner□operator country□ □ot reported
□wner□operator telephone□ □□□□□□□□□□□□□
□wner□operator email□ □ot reported
□wner□operator fa□□ □ot reported
□wner□operator e□tension□ □ot reported
□egal status□ □ther
□wner□□perator Type□ □wner
□wner□□p start date□ □ot reported
□wner□□p end date□ □ot reported

AVALON COLD STORAGE, LLC (Continued) **1026052358**

Owner/operator name: □URT CAHI□□
Owner/operator address: □□□□□ A□□□U□ □A□□□□ □I□□
□A□□□CIA, CA □□□□□
Owner/operator country: Not reported
Owner/operator telephone: □□□□□□□□□□□□□□
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
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): Not reported
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

F39 **LOS ANGELES TRANSPORT REFRIGERATION REPAIR INC** **RCRA NonGen / NLR** **1024870928**
NE **2501 W ROSECRANS** **CAL000439571**
1/8-1/4 **LOS ANGELES, CA 90059**
0.165 mi.
869 ft. **Site 5 of 5 in cluster F**

Relative:
Lower

Actual:
111 ft.

RCRA NonGen / NLR:
Date form received by agency: □□□□□□□□□ □□□□□□□.□
Facility name: □□□ A□□□□□□ TRA□□□□□RT R□FRI□□RATI□□ R□□AIR I□C
Facility address: □□□□□ □ R□□□CRA□□
□□□ A□□□□□□, CA □□□□□
EPA ID: CA□□□□□□□□□
Mailing address: □□□□ MIRAM□□T□ □□□□
□□□ A□□□□□□, CA □□□□□
Contact: R□□□ □U□MA□
Contact address: □□□□ MIRAM□□T□ □□□□
□□□ A□□□□□□, CA □□□□□
Contact country: Not reported
Contact telephone: □□□□□□□□□□□□□□
Contact email: □ATRRR□□□□ □MAI□.C□M
EPA Region: □□
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: R□□□ □U□MA□

LOS ANGELES TRANSPORT REFRIGERATION REPAIR INC (Continued) **1024870928**

□wner□operator address□	□□□□ MIRAM□ □T□ □□□□
	□□ A□□ □□□□, CA □□□□□
□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□ther
□wner□□perator Type□	□wner
□wner□□p start date□	□ot reported
□wner□□p end date□	□ot reported
□wner□operator name□	R□□□ □U□MA□
□wner□operator address□	□□□□ MIRAM□ □T□ □□□□
	□□ A□□ □□□□, CA □□□□□
□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□ther
□wner□□perator Type□	□perator
□wner□□p start date□	□ot reported
□wner□□p end date□	□ot reported

Handler Activities □ummary□

U.□. importer of ha□ardous waste□	□o
Mi□ed waste □ha□. and radioactive□□	□o
Recycler of ha□ardous waste□	□o
Transporter of ha□ardous waste□	□o
Treater, storer or disposer of H□ □	□o
Underground in□ection activity□	□o
□n□site □urner e□emption□	□o
Furnace e□emption□	□o
Used oil fuel □urner□	□o
Used oil processor□	□o
User oil refiner□	□o
Used oil fuel marketer to □urner□	□o
Used oil □pecification marketer□	□o
Used oil transfer facility□	□o
Used oil transporter□	□o

□iolation □tatus□ □o violations found

G40 **TRENCH SHORING CO** **UST** **U003777122**
West **636 E ROSECRANS AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90059**
0.168 mi.
886 ft. **Site 1 of 8 in cluster G**

Relative: U□T□
Higher

Actual:
119 ft.

□ame□	TR□□CH □H□RI□□
Address□	□□□ □ R□□□CRA□□ A□□
City,□tate,□ip□	□□ □ A□□□□□□, CA □□□□□
Facility I□□	□ACoFA□□□□□□□
□ermitting Agency□	□os Angeles County Fire □epartment
□atitude□	□□.□□□□□
□ongitude□	□□□□.□□□□□

TRENCH SHORING CO (Continued) **U003777122**

ame	TR CH H RI C
Address	R CRA A
City,tate,ip	A , CA
Facility I	
ermitting Agency	A , CIT F
atitude	.
ongitude	.

G41 **TRENCH SHORING** **LUST** **S108536681**
West **636 ROSECRANS AVE. E** **Cortese** **N/A**
1/8-1/4 **LOS ANGELES, CA 90059**
0.168 mi.
886 ft. **Site 2 of 8 in cluster G**

Relative: U T
Higher

Actual: **119 ft.**

ame	TR CH H RI
Address	R CRA A .
City,tate,ip	A , CA
ead Agency	A R C R I
Case Type	U T Cleanup ite
eo Track	http geotracker.water oards.ca.gov profile report.asp global id T
lo al Id	T
atitude	.
ongitude	.
tatus	Completed Case Closed
tatus ate	
Case orker	MR
R Case um er	R
ocal Agency	A C U T
File ocation	Regional oard
ocal Case um er	
otential Media Affect	oil
otential Contaminants of Concern	asoline, iesel
ite History	ot reported

U T

lo al Id	T
Contact Type	ocal Agency Caseworker
Contact ame	MA U R R A A
rgani ation ame	A C U T
Address	. FR M T A .
City	A HAM RA
mail	mregalad dpw.lacounty.gov
hone um er	ot reported

lo al Id	T
Contact Type	Regional oard Caseworker
Contact ame	Maryam Renard
rgani ation ame	A R C R I
Address	. TH T., UIT
City	A
mail	maryam.renard water oards.ca.gov
hone um er	

U T

lo al Id	T
Action Type	ther
ate	

TRENCH SHORING (Continued) **S108536681**

Action eak iscovery

lo al Id T
Action Type ther
ate
Action eak Reported

lo al Id T
Action Type F RC M T
ate
Action taff etter

lo al Id T
Action Type F RC M T
ate
Action taff etter

lo al Id T
Action Type F RC M T
ate
Action Closure o Further Action etter

lo al Id T
Action Type F RC M T
ate
Action ite isit Inspection ampling

lo al Id T
Action Type R
ate
Action ther Report ocument

lo al Id T
Action Type R
ate
Action oil and ater Investigation Report

lo al Id T
Action Type R
ate
Action Monitoring Report uarterly

U T
lo al Id T
tatus pen Case egin ate
tatus ate

lo al Id T
tatus pen ite Assessment
tatus ate

lo al Id T
tatus pen Referred
tatus ate

lo al Id T
tatus Completed Case Closed

TRENCH SHORING (Continued) **S108536681**

□tatus □ate□ □□□□□□□□□□□□

□ame□ TR□□CH □H□ RI□□ C□ M□A□□
Address□ □□□ R□ □□CRA□□ A□□ □
City,□tate,□ip□ □□ □ A□□ □□□□, CA □□□□□
□ead Agency□ □□ □ A□□ □□□□ R□ □C□ □R□□ I□□ □□
Case Type□ □U□T Cleanup □ite
□eo Track□ http□□□geotracker.water□oards.ca.gov□profile□report.asp□glo□al□id□T□□□□□□□□□□□□
□lo□al Id□ T□□□□□□□□□□□□
□atitude□ □□.□□□□□□
□ongitude□ □□□□.□□□□□□
□tatus□ Completed □Case Closed
□tatus □ate□ □□□□□□□□□□□□
Case □ orker□ M□
R□ Case □um□er□ R□□□□□□A
□ocal Agency□ □ot reported
File □ocation□ □ot reported
□ocal Case □um□er□ □ot reported
□otential Media Affect□ □oil
□otential Contaminants of Concern□ □ther □etroleum
□ite History□ □ot reported

□U□T□
□lo□al Id□ T□□□□□□□□□□□□
Contact Type□ Regional □oard Caseworker
Contact □ame□ MA□ □□ □AIA□□
□rgani□ation □ame□ □□ □ A□□ □□□□ R□ □C□ □R□□ I□□ □□
Address□ □□□ □ . □TH □T., □UIT□ □□□
City□ □□ □ A□□ □□□□
□mail□ m□aiady□ water□oards.ca.gov
□hone □um□er□ □□□□□□□□□□

□U□T□
□lo□al Id□ T□□□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□□□□□
Action□ □ther Report □□ocument

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□□□□□
Action□ □ther Report □□ocument

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□□□□□
Action□ □oil and □ ater Investigation Report

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□□□□□
Action□ □oil and □ ater Investigation □ orkplan □Regulator Responded

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□□□□□□□□□

TRENCH SHORING (Continued) **S108536681**

Action□ □eak □iscovery

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □□F□RC□M□□T
□ate□ □□□□□□□□□□□□
Action□ Closure□□o Further Action □etter

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □□F□RC□M□□T
□ate□ □□□□□□□□□□□□
Action□ □taff □etter

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□□□□□□□□□
Action□ □eak Reported

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □□F□RC□M□□T
□ate□ □□□□□□□□□□□□
Action□ □otification □□reclosure

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □□F□RC□M□□T
□ate□ □□□□□□□□□□□□
Action□ □taff □etter

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □□F□RC□M□□T
□ate□ □□□□□□□□□□□□
Action□ Referral to Regional □oard

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □□F□RC□M□□T
□ate□ □□□□□□□□□□□□
Action□ □taff □etter

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□□□□□□□□□
Action□ □eak □egan

□U□T□

□lo□al Id□ T□□□□□□□□□□□□
□tatus□ □pen □Case □egin □ate
□tatus □ate□ □□□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□□
□tatus□ □pen □Active
□tatus □ate□ □□□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□□
□tatus□ □pen □□ite Assessment
□tatus □ate□ □□□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□□
□tatus□ □pen □□ligi□le for Closure

TRENCH SHORING (Continued) **S108536681**

□tatus □ate□ □□□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□□□
□tatus□ Completed □Case Closed
□tatus □ate□ □□□□□□□□□□□□

C□RT□□□□

□ame□	TR□□CH □H□RI□□
Address□	□□□ R□ □□CRA□□ A□□. □
City,□tate,□ip□	□□ □ A□□ □□□□, CA □□□□□
Region□	C□RT□□□
□nvirostor Id□	□ot reported
□lo□al I□□	T□□□□□□□□□□□
□ite□Facility Type□	□U□T C□□A□U□ □IT□
Cleanup □tatus□	C□M□□□T□□ □CA□□ C□□ □□□
□tatus □ate□	□ot reported
□ite Code□	□ot reported
□atitude□	□ot reported
□ongitude□	□ot reported
□wner□	□ot reported
□nf Type□	□ot reported
□wat R□	□ot reported
Flag□	active
□rder □o□	□ot reported
□ aste □ischarge □ystem □o□	□ot reported
□ffective □ate□	□ot reported
Region □□	□ot reported
□ I□ Id□	□ot reported
□olid □ aste Id □o□	□ot reported
□ aste Management Uit □ame□	□ot reported
File □ame□	Active □pen

□ame□	TR□□CH □H□RI□□ C□M□A□□
Address□	□□□ R□ □□CRA□□ A□□ □
City,□tate,□ip□	□□ □ A□□ □□□□, CA □□□□□
Region□	C□RT□□□
□nvirostor Id□	□ot reported
□lo□al I□□	T□□□□□□□□□□□
□ite□Facility Type□	□U□T C□□A□U□ □IT□
Cleanup □tatus□	C□M□□□T□□ □CA□□ C□□ □□□
□tatus □ate□	□ot reported
□ite Code□	□ot reported
□atitude□	□ot reported
□ongitude□	□ot reported
□wner□	□ot reported
□nf Type□	□ot reported
□wat R□	□ot reported
Flag□	active
□rder □o□	□ot reported
□ aste □ischarge □ystem □o□	□ot reported
□ffective □ate□	□ot reported
Region □□	□ot reported
□ I□ Id□	□ot reported
□olid □ aste Id □o□	□ot reported
□ aste Management Uit □ame□	□ot reported
File □ame□	Active □pen

G42 **TRENCH SHORING COMPANY** **CERS TANKS** **S113167116**
West **636 E ROSECRANS AVE** **HAZNET** **N/A**
1/8-1/4 **LOS ANGELES, CA 90059** **LOS ANGELES CO. HMS**
0.168 mi. **CERS**
886 ft. **Site 3 of 8 in cluster G** **HWTS**

Relative: C[R[TA[[[[
Higher
[ame[TR[[CH [H[RI[[
Actual: Address[[[[[R[[[CRA[[A[[
119 ft. City,[tate,[ip[[[[A[[[[[[[, CA [[[[[
[ite I[[[[[[[[
C[R[I[[[[[[[[[[
C[R[[escription[Underground [torage Tank

HA[[[T[
[ame[TR[[CH [H[RI[[C[M[A[[
Address[[[[[R[[[CRA[[A[[
Address [[[ot reported
City,[tate,[ip[[[[A[[[[[[, CA [[[[[[[[[[
Contact[[A[I[[[[C [I[[I[
Telephone[[[[[[[[[[[
Mailing [ame[[ot reported
Mailing Address[[[[[. C[[TRA[A[[.

[ear[[[[[
[epaid[CA[[[[[[[[[[[
T[[[[A I[[A[R[[[[[[[[[
CA [aste Code[[[[[[ther organic solids
[isposal Method[H[[[[[torage, [ulking, And[[[r Transfer [ff [ite[[[o
Treatment[Recovery [H[[[[H[[[[[r [H[[[[H[[[[
Tons[[.[[[[[

[ear[[[[[
[epaid[CA[[[[[[[[[[[
T[[[[A I[[CAT[[[[[[[[[[
CA [aste Code[[[[[Unspecified solvent mi[ture
[isposal Method[H[[[[Fuel [lending [rior To [nergy Recovery At Another [ite
Tons[[.[[[[[

[ear[[[[[
[epaid[CA[[[[[[[[[[[
T[[[[A I[[CA[[[[[[[[[[[
CA [aste Code[[[[[[ther organic solids
[isposal Method[H[[[[[torage, [ulking, And[[[r Transfer [ff [ite[[[o
Treatment[Recovery [H[[[[H[[[[[r [H[[[[H[[[[
Tons[[.[[[[[

[ear[[[[[
[epaid[CA[[[[[[[[[[[
T[[[[A I[[CAT[[[[[[[[[[
CA [aste Code[[[[[Unspecified solvent mi[ture
[isposal Method[H[[[[Fuel [lending [rior To [nergy Recovery At Another [ite
Tons[[.[[[[[

[ear[[[[[
[epaid[CA[[[[[[[[[[[
T[[[[A I[[CA[[[[[[[[[[[
CA [aste Code[[[[[[ther organic solids
[isposal Method[H[[[[[torage, [ulking, And[[[r Transfer [ff [ite[[[o

TRENCH SHORING COMPANY (Continued) **S113167116**

Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□

Tons□ □.□□□□□

□ear□ □□□□
□epaid□ CA□□□□□□□□□□□
T□□ □□A I□□ CA□ □□□□□□□□□□
CA □ aste Code□ □□□ □Unspecified organic li□uid mi□ture
□isposal Method□ H□□□ □
Tons□ □.□□□□□

□ear□ □□□□
□epaid□ CA□□□□□□□□□□□
T□□ □□A I□□ CAT□□□□□□□□□□
CA □ aste Code□ □□□ □Unspecified oil□containing waste
□isposal Method□ H□□□ □□ther Recovery □f Reclamation For Reuse Including Acid Regeneration, □rganics Recovery □ct
Tons□ □.□□□□□

□ear□ □□□□
□epaid□ CA□□□□□□□□□□□
T□□ □□A I□□ CA□ □□□□□□□□□□
CA □ aste Code□ □□□ □Unspecified organic li□uid mi□ture
□isposal Method□ H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
Tons□ □.□□

□ear□ □□□□
□epaid□ CA□□□□□□□□□□□
T□□ □□A I□□ CA□ □□□□□□□□□□
CA □ aste Code□ □□□ □Unspecified oil□containing waste
□isposal Method□ H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
Tons□ □.□□□□□

□ear□ □□□□
□epaid□ CA□□□□□□□□□□□
T□□ □□A I□□ CA□ □□□□□□□□□□
CA □ aste Code□ □□□ □□ther organic solids
□isposal Method□ H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
Tons□ □.□

Click this hyperlink while viewing on your computer to access
□□ additional CA HA□□□T□record□s□in the □□R □ite Report.

Additional Info□
□ear□ □□□□
□en □□A I□□ CA□□□□□□□□□□□

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ CA□ □□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	R□□ □Recycler
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	R□□ □Recycler
□uantity Tons□	□.□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	R□□ □Recycler
□uantity Tons□	□.□□□□

□ite
□ata□ase□s□

TRENCH SHORING COMPANY (Continued) **S113167116**

□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	R□□ □Recycler
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	R□□ □Recycler
□uantity Tons□	□.□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□

TRENCH SHORING COMPANY (Continued) **S113167116**

Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□□
Manifest I□□	□□□□□□□□□
Trans □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	R□□ □Recycler
□uantity Tons□	□.□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□□
Manifest I□□	□□□□□□□□□
Trans □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	R□□ □Recycler
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□□
Manifest I□□	□□□□□□□□□
Trans □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

T□□F Alt □□A I□□ CAT□□□□□□□□□□
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □Unspecified oil□containing waste
RCRA Code□ □ot reported
Meth Code□ □□□ □□isposal, □and Fill
□uantity Tons□ □.□□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ CA□ □□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□□
Trans □ame□ □ot reported
T□□F Alt □□A I□□ □ot reported
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □Unspecified oil□containing waste
RCRA Code□ □ot reported
Meth Code□ R□□ □Recycler
□uantity Tons□ □.□□□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ CA□ □□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□□
Trans □ame□ □ot reported
T□□F Alt □□A I□□ □ot reported
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □Unspecified oil□containing waste
RCRA Code□ □ot reported
Meth Code□ R□□ □Recycler
□uantity Tons□ □.□□□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□□□□□□□□□□□
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□□
Trans □ame□	□I□M□□□ I□□U□TR□ I□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□□
Trans □ame□	□I□M□□□ I□□U□TR□ I□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□I□M□□□ I□□U□TR□ I□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
□uantity Tons□	□.□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□I□M□□□ I□□U□TR□ I□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□

MA FI I

TRENCH SHORING COMPANY (Continued) **S113167116**

Trans ame	AF T M I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CAT
Trans ame	M R
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	il water separation sludge
RCRA Code	ot reported
Meth Code	H ther Recovery f Reclamation For Reuse Including Acid Regeneration, rganics Recovery ct
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	F
Trans A I	CAR
Trans ame	' MAI T A C A I FI T R R C C I I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CA
Trans ame	I M I U TR I C
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	ther organic solids
RCRA Code	ot reported
Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	F
Trans A I	CAR
Trans ame	' MAI T A C A I FI T R R C C I I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CA
Trans ame	I M I U TR I C
T F Alt A I	ot reported
T F Alt ame	ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported
Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	F
Trans A I	CAR
Trans ame	' MAI T A C A I FI T R R C C I I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CA
Trans ame	I M I U TR I C
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	ther organic solids
RCRA Code	ot reported
Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported

Additional Info

ear	
en A I	CA
hipment ate	
Creation ate	
Receipt ate	
Manifest I	F
Trans A I	CAR
Trans ame	' MAI T A C A I FI T R R C C I I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CA
Trans ame	UA AT R T CH I C
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported
Meth Code	H torage, ulking, And r Transfer ff ite o

TRENCH SHORING COMPANY (Continued) **S113167116**

Treatment Reovery H H r H H

uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	F
Trans A I	CAR
Trans ame	' MAI T A C A I FI T R R C C I I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CAT
Trans ame	M R
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported
Meth Code	H ther Recovery f Reclamation For Reuse Including Acid Regeneration, rganics Recovery ct
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	F
Trans A I	CAR
Trans ame	' MAI T A C A I FI T R R C C I I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CA
Trans ame	UA AT R T CH I
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported
Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□□□□UA □ AT□R T□CH□□□□I□□ □□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□□M□□□□□□□R□□□□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□□ontaining waste
RCRA Code□	□ot reported
Meth Code□	H□□□ □□ther Recovery □f Reclamation For Reuse Including Acid Regeneration, □rganics Recovery □ct
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□ □F

TRENCH SHORING COMPANY (Continued) **S113167116**

Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□□□□UA □ AT□R T□CH□□□□□I□□ □□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□□□□UA □ AT□R T□CH□□□□□I□□ □□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□□□□UA □ AT□R T□CH□□□□□I□□ □□C
T□□F Alt □□A I□□	□ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

T F Alt ame	ot reported
aste Code escription	ther organic solids
RCRA Code	ot reported
Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	F
Trans A I	CAR
Trans ame	' MAI T A C A I FI T R R C C I I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CAT
Trans ame	M R
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported
Meth Code	H ther Recovery f Reclamation For Reuse Including Acid Regeneration, rganics Recovery ct
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported

Additional Info

ear	
en A I	CA
hipment ate	
Creation ate	
Receipt ate	
Manifest I	F
Trans A I	CAR
Trans ame	' MAI T A C A I FI T R R C C I I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CA
Trans ame	U C R I C
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	ther organic solids
RCRA Code	ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Meth Code□ H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□o
Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□ □.□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□□□ □□□□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□□□□□ □F
Trans □□A I□□ CAR□□□□□□□□□□
Trans □ame□ □□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CA□□□□□□□□□□
Trans □ame□ U□ □C□ □□ □□ □□R□□□ I□C
T□□F Alt □□A I□□ □ot reported
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □Unspecified organic li□uid mi□ture
RCRA Code□ □□□□
Meth Code□ H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□o
Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□ □.□□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□□□ □□□□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□□□□□ □F
Trans □□A I□□ CAR□□□□□□□□□□
Trans □ame□ □□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CA□□□□□□□□□□
Trans □ame□ U□ □C□ □□ □□ □□R□□□ I□C
T□□F Alt □□A I□□ □ot reported
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □Unspecified organic li□uid mi□ture
RCRA Code□ □□□□
Meth Code□ H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□o
Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□ □.□□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	U□ □C□ □□ □□ □□R□□□ I□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□o
	Treatment□Recovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□, I□C.
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	U□ □C□ □□ □□ □□R□□□, I□C.
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□o
	Treatment□Recovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□□□□□□□□□□

TRENCH SHORING COMPANY (Continued) **S113167116**

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ I□□ □□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □C□ □□□□□□□□□□
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□□
Trans □ame□ □ot reported
T□□F Alt □□A I□□ □ot reported
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □A□ueous solution with □□□□ total organic residues
RCRA Code□ □□□□
Meth Code□ H□□ □Transfer □tation
□uantity Tons□ □.□□□□
□ aste □uantity□ □□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

Additional Info□
□ear□ □□□□
□en □□A I□□ CA□□□□□□□□□□

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ CA□ □□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□□
Trans □ame□ □ot reported
T□□F Alt □□A I□□ CAT□□□□□□□□□□
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □Unspecified oil□containing waste
RCRA Code□ □ot reported
Meth Code□ R□□ □Recycler
□uantity Tons□ □.□□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

Additional Info□
□ear□ □□□□
□en □□A I□□ CA□□□□□□□□□□

TRENCH SHORING COMPANY (Continued) **S113167116**

□hipment □ate□
Creation □ate□
Receipt □ate□
Manifest I□□
Trans □□A I□□
Trans □ame□
Trans □ □□A I□□
Trans □ □ame□
T□□F □□A I□□
Trans □ame□
T□□F Alt □□A I□□
T□□F Alt □ame□
□ aste Code □escription□
RCRA Code□
Meth Code□

□uantity Tons□
□ aste □uantity□
□uantity Unit□
Additional Code □□
Additional Code □□
Additional Code □□
Additional Code □□
Additional Code □□

□hipment □ate□
Creation □ate□
Receipt □ate□
Manifest I□□
Trans □□A I□□
Trans □ame□
Trans □ □□A I□□
Trans □ □ame□
T□□F □□A I□□
Trans □ame□
T□□F Alt □□A I□□
T□□F Alt □ame□
□ aste Code □escription□
RCRA Code□
Meth Code□

□uantity Tons□
□ aste □uantity□
□uantity Unit□
Additional Code □□
Additional Code □□
Additional Code □□
Additional Code □□
Additional Code □□

□hipment □ate□
Creation □ate□
Receipt □ate□
Manifest I□□
Trans □□A I□□
Trans □ame□
Trans □ □□A I□□

□ot reported
□ot reported
CA□□□□□□□□□□□
□I□M□□□ □ AT□R T□CH□□□□□ I□□ C□R□
□ot reported
□ot reported
□□□ □Unspecified oil□containing waste
□ot reported
H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o
Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
□.□□□□□
□□
□
□ot reported
□ot reported
□ot reported
□ot reported
□ot reported

□□□□□□□□
□□□□□□□□□□□□□
CAR□□□□□□□□□□
□□□□□’□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
□ot reported
□ot reported
CA□□□□□□□□□□□
□I□M□□□ □ AT□R T□CH□□□□□ I□□ C□R
□ot reported
□ot reported
□□□ □Unspecified oil□containing waste
□ot reported
H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o
Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
□.□□□□□
□□
□
□ot reported
□ot reported
□ot reported
□ot reported
□ot reported

□□□□□□□□
□□□□□□□□□□□□□
CA□□□□□□□□□□□
□□AC□ □□□□ I□□U□TRI□□
□ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Trans ame	ot reported
T F A I	CAT
Trans ame	M R
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported
Meth Code	H ther Recovery f Reclamation For Reuse Including Acid Regeneration, rganics Recovery ct
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	
Trans A I	CAR
Trans ame	' MAI T A C A I FI T R R C C I
Trans A I	ot reported
Trans ame	ot reported
T F A I	CA
Trans ame	I M AT R T CH I C R
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported
Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	
Trans A I	CA
Trans ame	AC I U TRI
Trans A I	ot reported
Trans ame	ot reported
T F A I	CAT
Trans ame	M R
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	Unspecified organic li uid mi ture
RCRA Code	ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Meth Code□ H□□□ □□ther Recovery □f Reclamation For Reuse Including Acid Regeneration, □rganics Recovery □ct
□uantity Tons□ □.□□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□□□□□
Trans □□A I□□ CAR□□□□□□□□□□
Trans □ame□ □□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CA□□□□□□□□□□
Trans □ame□ □I□M□□□ □ AT□R T□CH□□ □□ □I□□ C□R
T□□F Alt □□A I□□ □ot reported
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □□il□water separation sludge
RCRA Code□ □ot reported
Meth Code□ H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□ o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□ □.□□□□□
□ aste □uantity□ □□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□□□□□
Trans □□A I□□ CAR□□□□□□□□□□
Trans □ame□ □□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CA□□□□□□□□□□
Trans □ame□ □I□M□□□ □ AT□R T□CH□□ □□ □I□□ C□R
T□□F Alt □□A I□□ □ot reported
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □□ther organic solids
RCRA Code□ □ot reported
Meth Code□ H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□ o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□ □.□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	CA□□□□□□□□□□
Trans □ame□	□□AC□ □□□□ I□□U□TRI□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□
Trans □ame□	□□M□□□□ □□□R□□□□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified organic li□uid mi□ture
RCRA Code□	□ot reported
Meth Code□	H□□□ □□ther Recovery □f Reclamation For Reuse Including Acid Regeneration, □rganics Recovery □ct
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□’□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□□□□I□□ C□R
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□

TRENCH SHORING COMPANY (Continued) **S113167116**

Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□□□□I□□ C□R
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□□□□□□□□□□
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□□□□I□□ □□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C

TRENCH SHORING COMPANY (Continued) **S113167116**

Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□ □□ □ I□□ □□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ ff □ite□□□ o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□□
Trans □ame□	□I□M□□□ I□□U□TR□ I□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ ff □ite□□□ o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□□
Trans □ame□	□I□M□□□ I□□U□TR□ I□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids

TRENCH SHORING COMPANY (Continued) **S113167116**

RCRA Code ot reported
Meth Code H torage, ulking, And r Transfer ff ite o Treatment Reovery H H H r H H
uantity Tons .
aste uantity
uantity Unit
Additional Code ot reported
Additional Code ot reported
Additional Code ot reported
Additional Code ot reported
Additional Code ot reported

Additional Info
ear
en A I CA

hipment ate
Creation ate
Receipt ate
Manifest I
Trans A I CAR
Trans ame ' I FI T R R C C I
Trans A I ot reported
Trans ame ot reported
T F A I CAT
Trans ame IR M TA
T F Alt A I CAT
T F Alt ame ot reported
aste Code escription Unspecified oil containing waste
RCRA Code ot reported
Meth Code isposal, and Fill
uantity Tons .
aste uantity
uantity Unit
Additional Code ot reported
Additional Code ot reported
Additional Code ot reported
Additional Code ot reported
Additional Code ot reported

hipment ate
Creation ate
Receipt ate
Manifest I
Trans A I CAR
Trans ame ' I FI T R R C C I
Trans A I ot reported
Trans ame ot reported
T F A I CAT
Trans ame IR M TA
T F Alt A I CAT
T F Alt ame ot reported
aste Code escription Unspecified oil containing waste
RCRA Code ot reported
Meth Code isposal, and Fill
uantity Tons .
aste uantity

TRENCH SHORING COMPANY (Continued) **S113167116**

□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□□□ □□□□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ CAR□□□□□□□□□□
Trans □ame□ □□□□□'□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□□
Trans □ame□ □□ □□IR□ □M□□TA□
T□□F Alt □□A I□□ CAT□□□□□□□□□□
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □Unspecified oil□containing waste
RCRA Code□ □ot reported
Meth Code□ □□□ □□isposal, □and Fill
□uantity Tons□ □.□□□□□
□ aste □uantity□ □□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□□□ □□□□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ CAR□□□□□□□□□□
Trans □ame□ □□□□□'□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□□
Trans □ame□ □□ □□□IR□ □M□□TA□
T□□F Alt □□A I□□ CAT□□□□□□□□□□
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □Unspecified oil□containing waste
RCRA Code□ □ot reported
Meth Code□ □□□ □□isposal, □and Fill
□uantity Tons□ □.□□□□
□ aste □uantity□ □□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□□□ □□□□□□□□□□

TRENCH SHORING COMPANY (Continued) **S113167116**

Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□□ □□□IR□ □M□□TA□
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	□□ □□isposal, □and Fill
□uantity Tons□	□
□ aste □uantity□	□□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□□AC□ □□□□ I□□U□TRI□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□□M□□□□□□□R□□□□
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	R□□ □Recycler
□uantity Tons□	□.□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□□ □□IR□ □M□□TA□
T□□F Alt □□A I□□	CAT□□□□□□□□□□

MA FI I

TRENCH SHORING COMPANY (Continued) **S113167116**

T F Alt ame	ot reported
aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported
Meth Code	isposal, and Fill
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	
Trans A I	CAR
Trans ame	' I FI T R R C C I
Trans A I	ot reported
Trans ame	ot reported
T F A I	CAT
Trans ame	IR M TA
T F Alt A I	CAT
T F Alt ame	ot reported
aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported
Meth Code	isposal, and Fill
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	
Trans A I	CAR
Trans ame	' I FI T R R C C I
Trans A I	ot reported
Trans ame	ot reported
T F A I	CAT
Trans ame	IR M TA
T F Alt A I	CAT
T F Alt ame	ot reported
aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported
Meth Code	isposal, and Fill
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	CA□□□□□□□□□□□
Trans □ame□	□□AC□ □□□□ I□□U□TRI□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□□M□□□□□□□R□□□□
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□□□□
Meth Code□	R□□ □Recycler
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□□□□□□□□□□□
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□’□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□□□□I□□ C□R□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

MA FI I

TRENCH SHORING COMPANY (Continued) **S113167116**

hipment ate
Creation ate
Receipt ate
Manifest I
Trans A I
Trans ame
Trans A I
Trans ame
T F A I
Trans ame
T F Alt A I
T F Alt ame
aste Code escription
RCRA Code
Meth Code

uantity Tons
aste uantity
uantity Unit
Additional Code
Additional Code
Additional Code
Additional Code
Additional Code

CA
'
MAI T A C A I FI T R R C C I
ot reported
ot reported
CA
I M AT R T CH I C R
ot reported
ot reported
Unspecified oil containing waste
ot reported
H torage, ulking, And r Transfer ff ite o
Treatment Reovery H H H r H H
.
ot reported
ot reported
ot reported
ot reported
ot reported

hipment ate
Creation ate
Receipt ate
Manifest I
Trans A I
Trans ame
Trans A I
Trans ame
T F A I
Trans ame
T F Alt A I
T F Alt ame
aste Code escription
RCRA Code
Meth Code

uantity Tons
aste uantity
uantity Unit
Additional Code
Additional Code
Additional Code
Additional Code
Additional Code

CA
'
MAI T A C A I FI T R R C C I
ot reported
ot reported
CA
I M AT R T CH I C R
ot reported
ot reported
ther organic solids
ot reported
H torage, ulking, And r Transfer ff ite o
Treatment Reovery H H H r H H
.
ot reported
ot reported
ot reported
ot reported
ot reported

hipment ate
Creation ate
Receipt ate
Manifest I
Trans A I
Trans ame
Trans A I

CA
AC I U TRI
ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□□M□□□□ □□□R□□□□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	H□□□ □□ther Recovery □f Reclamation For Reuse Including Acid Regeneration, □rganics Recovery □ct
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□□
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□’□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□□□□I□□ C□R□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
□uantity Tons□	□.□
□ aste □uantity□	□□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□□
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□’□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□□□□I□□ C□R□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Meth Code□	H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	CA□□□□□□□□□□
Trans □ame□	□□AC□ □□□□ I□□U□TRI□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□
Trans □ame□	□□M□□□□ □□□R□□□□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	H□□□ □□ther Recovery □f Reclamation For Reuse Including Acid Regeneration, □rganics Recovery □ct
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□’□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□ □□ □I□□ C□R□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□ T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□ □□ I□□ C□R□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□ o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	CA□□□□□□□□□□
Trans □ame□	□□AC□ □□□□ I□□U□TRI□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□□M□□□ □□□R□□□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	H□□□ □□ther Recovery □f Reclamation For Reuse Including Acid Regeneration, □rganics Recovery □ct
□uantity Tons□	□.□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□□□□□□□□□□

TRENCH SHORING COMPANY (Continued) **S113167116**

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	T□□ □Treatment, Tank
□uantity Tons□	□.□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	R□□ □Recycler
□uantity Tons□	□.□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□ □□□□□□□□□□

TRENCH SHORING COMPANY (Continued) **S113167116**

Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	T□□ □Treatment, Tank
□uantity Tons□	□.□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□□□□□□□□□□□
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□□ □□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□ □□ □I□□ C□R□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ ff □ite□□□ o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□□ □□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□I□M□□□ I□□U□TR□ I□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids

TRENCH SHORING COMPANY (Continued) **S113167116**

RCRA Code	ot reported
Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	F
Trans A I	CAR
Trans ame	' MAI T A C A I FI T R R C C I I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CA
Trans ame	I M AT R T CH I C R
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported
Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	F
Trans A I	CAR
Trans ame	' MAI T A C A I FI T R R C C I I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CA
Trans ame	I M I U TR I C
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	ther organic solids
RCRA Code	ot reported
Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□ □□ □I□□ C□R□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□ o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□ □□ □I□□ C□R□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□ o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□□□

TRENCH SHORING COMPANY (Continued) **S113167116**

Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□ □□ □I□□ C□R□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□ □□ □I□□ C□R□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□

TRENCH SHORING COMPANY (Continued) **S113167116**

Trans □ame□ □I□M□□□ □ AT□R T□CH□□□□□I□□ C□R□
T□□F Alt □□A I□□ □ot reported
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □□ther organic solids
RCRA Code□ □ot reported
Meth Code□ H□□□ □□torage, □ulking, And□□ r Transfer □ ff □ite□□□ o Treatment□Recovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□ □.□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

Additional Info□
□ear□ □□□□
□en □□A I□□ CA□□□□□□□□□□□

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ CA□□□□□□□□□□
Trans □ame□ □□AC□ □□□□ I□□U□TRI□□
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□
Trans □ame□ □□M□□□□ □□□R□□□□
T□□F Alt □□A I□□ CAT□□□□□□□□□
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □Unspecified oil□containing waste
RCRA Code□ □ot reported
Meth Code□ R□□ □Recycler
□uantity Tons□ □.□□□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ CA□□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□
Trans □ame□ □ot reported
T□□F Alt □□A I□□ CAT□□□□□□□□□
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □Unspecified oil□containing waste

TRENCH SHORING COMPANY (Continued) **S113167116**

RCRA Code□	□ot reported
Meth Code□	R□□ □Recycler
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	CA□□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	CAT□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	R□□ □Recycler
□uantity Tons□	□.□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□□□□□□□□□□
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□□□□UA □ AT□R T□CH□□ □□ □I□□ □□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ ff □ite□□ o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□
□ aste □uantity□	□□□

TRENCH SHORING COMPANY (Continued) **S113167116**

□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□□□ □□□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□□□□□ □F
Trans □□A I□□ CAR□□□□□□□□□□
Trans □ame□ □□□□□’□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CA□□□□□□□□□□
Trans □ame□ □□□□UA □ AT□R T□CH□□□□□I□□ □□C
T□□F Alt □□A I□□ □ot reported
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □□ther organic solids
RCRA Code□ □ot reported
Meth Code□ H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□o
Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□

□uantity Tons□ □.□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□□□ □□□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□□□□□ □F
Trans □□A I□□ CAR□□□□□□□□□□
Trans □ame□ □□□□□’□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CA□□□□□□□□□□
Trans □ame□ □□□□UA □ AT□R T□CH□□□□□I□□ □□C
T□□F Alt □□A I□□ □ot reported
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □Unspecified oil□containing waste
RCRA Code□ □ot reported
Meth Code□ H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□o
Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□

□uantity Tons□ □.□□□□□
□ aste □uantity□ □□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

hipment ate	
Creation ate	
Receipt ate	
Manifest I	F
Trans A I	CAR
Trans ame	' MAI T A C A I FI T R R C C I I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CA
Trans ame	UA AT R T CH I C
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	ther organic solids
RCRA Code	ot reported
Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported

hipment ate	
Creation ate	
Receipt ate	
Manifest I	F
Trans A I	CAR
Trans ame	' MAI T A C A I FI T R R C C I I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CA
Trans ame	I M AT R T CH I C
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	ther organic solids
RCRA Code	ot reported
Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported

hipment ate	
Creation ate	
Receipt ate	
Manifest I	F
Trans A I	CAR
Trans ame	' MAI T A C A I FI T R R C C I I C
Trans A I	ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Trans ame	ot reported
T F A I	CAT
Trans ame	M R
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported
Meth Code	H ther Recovery f Reclamation For Reuse Including Acid Regeneration, rganics Recovery ct
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	F
Trans A I	CAR
Trans ame	' MAI T A C A I FI T R R C C I I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CA
Trans ame	I M AT R T CH I C
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported
Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported

Additional Info

ear	
en A I	CA
hipment ate	
Creation ate	
Receipt ate	
Manifest I	
Trans A I	CAR
Trans ame	' I FI T R R C C I
Trans A I	ot reported
Trans ame	ot reported
T F A I	CAT
Trans ame	IR M TA

TRENCH SHORING COMPANY (Continued) **S113167116**

T□□F Alt □□A I□□ CAT□□□□□□□□□□
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □Unspecified oil□containing waste
RCRA Code□ □ot reported
Meth Code□ □□ □□isposal, □and Fill
□uantity Tons□ □.□□□□□
□ aste □uantity□ □□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ CA□□□□□□□□□□
Trans □ame□ □□AC□ □□□□ I□□U□TRI□□
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□□
Trans □ame□ □□M□□□□ □□□R□□□□
T□□F Alt □□A I□□ CAT□□□□□□□□□□
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □Unspecified oil□containing waste
RCRA Code□ CA □
Meth Code□ □□ot reported
□uantity Tons□ □.□□□□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ CA□□□□□□□□□□
Trans □ame□ □□AC□ □□□□ I□□U□TRI□□
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□□
Trans □ame□ □□M□□□□ □□□R□□□□
T□□F Alt □□A I□□ CAT□□□□□□□□□□
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □Unspecified oil□containing waste
RCRA Code□ □ot reported
Meth Code□ R□□ □Recycler
□uantity Tons□ □.□□□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□□□□□□□□□□□
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□ □□ □I□□ C□R□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□ □□ □I□□ C□R□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□ □□ □I□□ C□R□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□ □□ □I□□ C□R□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	CAR□□□□□□□□□□

MA FI I

TRENCH SHORING COMPANY (Continued) **S113167116**

Trans ame	' MAI T A C A I FI T R R C C I
Trans A I	ot reported
Trans ame	ot reported
T F A I	CA
Trans ame	I M AT R T CH I C R
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported
Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	
Trans A I	CAR
Trans ame	' MAI T A C A I FI T R R C C I
Trans A I	ot reported
Trans ame	ot reported
T F A I	CA
Trans ame	I M AT R T CH I C R
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	ther organic solids
RCRA Code	ot reported
Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	
Trans A I	CAR
Trans ame	' MAI T A C A I FI T R R C C I
Trans A I	ot reported
Trans ame	ot reported
T F A I	CA
Trans ame	I M AT R T CH I C R
T F Alt A I	ot reported
T F Alt ame	ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

aste Code escription ther organic solids
RCRA Code ot reported
Meth Code H torage, ulking, And r Transfer ff ite o
Treatment Reovery H H r H H
uantity Tons .
aste uantity
uantity Unit
Additional Code ot reported
Additional Code ot reported
Additional Code ot reported
Additional Code ot reported
Additional Code ot reported

Additional Info
ear
en A I CA

hipment ate
Creation ate
Receipt ate
Manifest I F
Trans A I CAR
Trans ame ’ MAI T A C A I FI T R R C C I I C
Trans A I ot reported
Trans ame ot reported
T F A I CA
Trans ame UA AT R T CH I C
T F Alt A I ot reported
T F Alt ame ot reported
aste Code escription Unspecified oil containing waste
RCRA Code ot reported
Meth Code H torage, ulking, And r Transfer ff ite o
Treatment Reovery H H r H H
uantity Tons .
aste uantity
uantity Unit
Additional Code ot reported
Additional Code ot reported
Additional Code ot reported
Additional Code ot reported
Additional Code ot reported

hipment ate
Creation ate
Receipt ate
Manifest I F
Trans A I CAR
Trans ame ’ MAI T A C A I FI T R R C C I I C
Trans A I ot reported
Trans ame ot reported
T F A I CAT
Trans ame M R
T F Alt A I ot reported
T F Alt ame ot reported
aste Code escription Unspecified oil containing waste
RCRA Code ot reported
Meth Code H ther Recovery f Reclamation For Reuse Including Acid

TRENCH SHORING COMPANY (Continued) **S113167116**

	Regeneration, □rganics Recovery □ct
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□□□ □□□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□□□□UA □ AT□R T□CH□□□□I□□ □□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□□□ □□□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□□□□UA □ AT□R T□CH□□□□I□□ □□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□□M□□□□□□□R□□□□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	H□□□ □□ther Recovery □f Reclamation For Reuse Including Acid Regeneration, □rganics Recovery □ct
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□□□□UA □ AT□R T□CH□□□□I□□ □□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□ □F

TRENCH SHORING COMPANY (Continued) **S113167116**

Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□□□□UA □ AT□R T□CH□□□□□I□□ □□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□contaminated waste
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□□□□UA □ AT□R T□CH□□□□□I□□ □□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
□uantity Tons□	□.□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□ □F
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□□M□□□□□□□R□□□□
T□□F Alt □□A I□□	□ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	H□□□ □□ther Recovery □f Reclamation For Reuse Including Acid Regeneration, □rganics Recovery □ct
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□□□□□□□□□□□
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□□
Trans □□A I□□	CA□□□□□□□□□□□
Trans □ame□	□□AC□ □ □ □□ I□□U□TRI□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□□M□□□□ □□□R□□□□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified organic li□uid mi□ture
RCRA Code□	□ot reported
Meth Code□	H□□□ □□ther Recovery □f Reclamation For Reuse Including Acid Regeneration, □rganics Recovery □ct
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□□
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□’□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□□□□I□□ C□R
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	
Trans A I	CAR
Trans ame	HA AR U T CH I I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CAT
Trans ame	M R
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported
Meth Code	H ludge Treatment And r ewatering
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	
Trans A I	CAR
Trans ame	’ MAI T A C A I FI T R R C C I
Trans A I	ot reported
Trans ame	ot reported
T F A I	CA
Trans ame	I M AT R T CH I I C R
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported
Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	CA□□□□□□□□□□
Trans □ame□	□□AC□ □□□□ I□□U□TRI□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□□M□□□□ □□□R□□□□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified organic li□uid mi□ture
RCRA Code□	□ot reported
Meth Code□	H□□□ □□ther Recovery □f Reclamation For Reuse Including Acid Regeneration, □rganics Recovery □ct
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□’□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□□□□I□□ C□R
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□ o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□

TRENCH SHORING COMPANY (Continued) **S113167116**

Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□□□□I□□ C□R□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□ o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	CA□□□□□□□□□□
Trans □ame□	□□AC□ □□□□ I□□U□TRI□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□
Trans □ame□	□□M□□□□ □□□R□□□□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified organic li□uid mi□ture
RCRA Code□	□ot reported
Meth Code□	H□□□ □□ischarge To □ewer□□otw □r □pdes□□ ith □rior □torage□□□ ith □r □ ithout Treatment□
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□'□ MAI□T□□A□C□ A□□ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	□I□M□□□ □ AT□R T□CH□□□□□I□□ C□R□
T□□F Alt □□A I□□	□ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

T F Alt ame	ot reported
aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported
Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	
Trans A I	CAR
Trans ame	' MAI T A C A I FI T R R C C I
Trans A I	ot reported
Trans ame	ot reported
T F A I	CA
Trans ame	I M AT R T CH I C R
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported
Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported

Additional Info

ear	
en A I	CA
hipment ate	
Creation ate	
Receipt ate	
Manifest I	
Trans A I	CAR
Trans ame	' MAI T A C A I FI T R R C C I
Trans A I	ot reported
Trans ame	ot reported
T F A I	CA
Trans ame	I M AT R T CH I C R
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Meth Code□	H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	CA□□□□□□□□□□
Trans □ame□	□□AC□ □□□□ I□□U□TRI□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□□M□□□□ □□□R□□□□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified organic li□uid mi□ture
RCRA Code□	□ot reported
Meth Code□	H□□□ □□ischarge To □ewer□□otw □r □pdes□□ ith □rior □torage□□□ ith □r □ ithout Treatment□
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□ □ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	U□ FI□T□R R□C□ □□R□ □□R□IC□□
T□□F Alt □□A I□□	CA□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	CAR□□□□□□□□□□
Trans □ame□	□□□□□ □ □I□ FI□T□R R□C□C□I□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□
Trans □ame□	U□ FI□T□R R□C□ □□R□ □□R□IC□□
T□□F Alt □□A I□□	CA□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	CA□□□□□□□□□□
Trans □ame□	□□AC□ □□□□ I□□U□TRI□□
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□
Trans □ame□	□□M□□□□ □□R□□□□
T□□F Alt □□A I□□	CAT□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	R□□ □Recycler
□uantity Tons□	□.□□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	CA□□□□□□□□□□
Trans □ame□	□□AC□ □□□□ I□□U□TRI□□

MA FI I

TRENCH SHORING COMPANY (Continued) **S113167116**

Trans A I	ot reported
Trans ame	ot reported
T F A I	CAT
Trans ame	M R
T F Alt A I	CAT
T F Alt ame	ot reported
aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported
Meth Code	R Recycler
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	
Trans A I	CAR
Trans ame	I FI T R R C C I
Trans A I	ot reported
Trans ame	ot reported
T F A I	ot reported
Trans ame	IR M TA
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported
Meth Code	isposal, and Fill
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	
Trans A I	CA
Trans ame	AC I U TRI
Trans A I	ot reported
Trans ame	ot reported
T F A I	CAT
Trans ame	M R
T F Alt A I	CAT
T F Alt ame	ot reported
aste Code escription	Unspecified oil containing waste
RCRA Code	ot reported
Meth Code	R Recycler

TRENCH SHORING COMPANY (Continued) **S113167116**

□uantity Tons□	□.□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□□□□□□□□□□□
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	R□□ □Recycler
□uantity Tons□	□.□□□□
□ aste □uantity□	□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□
Receipt □ate□	□ot reported
Manifest I□□	□□□□□□□□
Trans □□A I□□	CA□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □Unspecified oil□containing waste
RCRA Code□	□ot reported
Meth Code□	□□ot reported
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□□□ A□□□□□□□ C□. HM□□
□ame□ MA□□□□ FAMI□□ □ART□□R□ □□
Address□ □□□ □ R□ □□CRA□□ A□□
City,□tate,□ip□ □□□ A□□□□□□, CA □□□□□□□□□□
Region□ □A
□ermit Category□ □ot reported
Facility Id□ □□□□□□□□□□□□□□□
Facility Type□ □ot reported
Facility □tatus□ □□□□
Area□ □□
□ermit □um□er□ □ot reported
□ermit □tatus□ □ot reported

□ame□ TRA□□□□□□ □ACMTA □U□ FACI□IT□
Address□ □□□ □ R□ □□CRA□□ A□□
City,□tate,□ip□ □□□ A□□□□□□, CA □□□□□□□□□□
Region□ □A
□ermit Category□ □
Facility Id□ □□□□□□□□□□□□□□□
Facility Type□ □□
Facility □tatus□ □ermit
Area□ □□
□ermit □um□er□ □□□□□□□□□□
□ermit □tatus□ □ermit

□ame□ TRA□□□□□□ □ACMTA □U□ FACI□IT□
Address□ □□□ □ R□ □□CRA□□ A□□
City,□tate,□ip□ □□□ A□□□□□□, CA □□□□□□□□□□
Region□ □A
□ermit Category□ □ot reported
Facility Id□ □□□□□□□□□□□□□□□
Facility Type□ □ot reported
Facility □tatus□ □□□□
Area□ □□
□ermit □um□er□ □ot reported
□ermit □tatus□ □ot reported

C□R□□
□ame□ TR□□CH □H□RI□□
Address□ □□□ □ R□ □□CRA□□ A□□
City,□tate,□ip□ □□□ A□□□□□□, CA □□□□□
□ite I□□ □□□□□□□
C□R□ I□□ T□□□□□□□□□□
C□R□ □escription□ □eaking Underground □torage Tank Cleanup □ite

□iolations□
□ite I□□ □□□□□□□
□ite □ame□ TR□□CH □H□RI□□
□iolation □ate□ □□□□□□□□□□
Citation□ □□ CCR □□ □□□□□□e□□California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□e□
□iolation □escription□ Failure to su□mit a copy of the secondary containment test results to the CU□A within □□ days after the test.

MA FI I

TRENCH SHORING COMPANY (Continued) **S113167116**

iolation otes: Returned to compliance on .
iolation ivision: os Angeles County epartment of u lic orks
iolation rogram: U T
iolation ource: C R

ite I:
ite ame: TR CH H RI
iolation ate:
Citation: CCR . a California Code of Regulations, Title , Chapter ., ections a
iolation escription: Failure to complete and electronically su mit the usiness Activities age and or usiness wner perator Identification age.
iolation otes: Returned to compliance on .
iolation ivision: os Angeles County Fire epartment
iolation rogram: HMRR
iolation ource: C R

ite I:
ite ame: TR CH H RI
iolation ate:
Citation: CCR d California Code of Regulations, Title , Chapter , ections d
iolation escription: Failure to su mit the Annual Monitoring ystem Certification Form to the CU A within days of completion of the test.
iolation otes: ot reported
iolation ivision: os Angeles County epartment of u lic orks
iolation rogram: U T
iolation ource: C R

ite I:
ite ame: TR CH H RI
iolation ate:
Citation: CCR t California Code of Regulations, Title , Chapter , ections
iolation escription: Failure to su mit, o tain approval, or maintain a complete accurate response plan.
iolation otes: Returned to compliance on .
iolation ivision: os Angeles County epartment of u lic orks
iolation rogram: U T
iolation ource: C R

ite I:
ite ame: TR CH H RI
iolation ate:
Citation: CCR a California Code of Regulations, Title , Chapter , ections a
iolation escription: Failure to notify the CU A of the designated operator identification and or change of the within days.
iolation otes: ot reported
iolation ivision: os Angeles County epartment of u lic orks
iolation rogram: U T
iolation ource: C R

ite I:
ite ame: TR CH H RI
iolation ate:
Citation: CCR California Code of Regulations, Title , Chapter ,

TRENCH SHORING COMPANY (Continued) **S113167116**

	□ection□s□□□□□
□iolation □escription□	Failure to test leak detection e□uipment as re□uired every □□ months □□□H, sensor, □□□, AT□, etc.□and□or su□mit monitoring system certification to the CU□A within □□ days of completion of the test
□iolation □otes□	Returned to compliance on □□□□□□□□□□.
□iolation □ivision□	□os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□	U□T
□iolation □ource□	C□R□
□ite I□□	□□□□□□□
□ite □ame□	TR□□CH □H□RI□□
□iolation □ate□	□□□□□□□□□□□
Citation□	□□ CCR □.□ □□□□□, □□□□□ □California Code of Regulations, Title □□, Chapter □.□, □ection□s□□□□□□, □□□□□
□iolation □escription□	Failure to su□mit a complete and accurate application for a permit to operate a U□T, or for renewal of the permit.
□iolation □otes□	□ot reported
□iolation □ivision□	□os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□	U□T
□iolation □ource□	C□R□
□ite I□□	□□□□□□□
□ite □ame□	TR□□CH □H□RI□□
□iolation □ate□	□□□□□□□□□□□
Citation□	□□ CCR □□ □□□□□a□□California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□a□
□iolation □escription□	The owner□operator has failed to designate an U□T operator or to inform the CU□A or any change in the designated U□T operator□s□within □□ days after a change.
□iolation □otes□	Returned to compliance on □□□□□□□□□□.
□iolation □ivision□	□os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□	U□T
□iolation □ource□	C□R□
□ite I□□	□□□□□□□
□ite □ame□	TR□□CH □H□RI□□
□iolation □ate□	□□□□□□□□□□□
Citation□	H□C □.□□ □□□□□.□□□□□□□□□.□□ □California Health and □afety Code, Chapter □.□□, □ection□s□□□□□.□□□□□□□□.□□
□iolation □escription□	Failure to su□mit and maintain complete and current Certification of Financial Responsi□ility or other mechanism of financial assurance.
□iolation □otes□	Returned to compliance on □□□□□□□□□□.
□iolation □ivision□	□os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□	U□T
□iolation □ource□	C□R□
□ite I□□	□□□□□□□
□ite □ame□	TR□□CH □H□RI□□
□iolation □ate□	□□□□□□□□□□□
Citation□	H□C □.□□ □□□□□.□□□□□□□□□.□□ □California Health and □afety Code, Chapter □.□□, □ection□s□□□□□.□□□□□□□□.□□
□iolation □escription□	Failure to su□mit and maintain complete and current Certification of Financial Responsi□ility or other mechanism of financial assurance.
□iolation □otes□	□ot reported
□iolation □ivision□	□os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□	U□T
□iolation □ource□	C□R□

TRENCH SHORING COMPANY (Continued) **S113167116**

□ite I□□ □□□□□□□
□ite □ame□ TR□□CH □H□RI□□
□iolation □ate□ □□□□□□□□□□□
Citation□ □□ CCR □□ □□□□□a□□California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□a□
□iolation □escription□ The owner□operator has failed to designate an U□T operator or to inform the CU□A or any change in the designated U□T operator□s□within □□ days after a change.
□iolation □otes□ Returned to compliance on □□□□□□□□□□.
□iolation □ivision□ □os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□ U□T
□iolation □ource□ C□R□

□ite I□□ □□□□□□□
□ite □ame□ TR□□CH □H□RI□□
□iolation □ate□ □□□□□□□□□□□
Citation□ H□C □.□ □□□□□□a□□California Health and □afety Code, Chapter □.□, □ection□s□□□□□□□a□
□iolation □escription□ Failure to su□mit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
□iolation □otes□ Returned to compliance on □□□□□□□□□□.
□iolation □ivision□ □os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□ U□T
□iolation □ource□ C□R□

□ite I□□ □□□□□□□
□ite □ame□ TR□□CH □H□RI□□
□iolation □ate□ □□□□□□□□□□□
Citation□ □□ CCR □□ □□□□□□□□□California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□□□
□iolation □escription□ Failure to su□mit, o□tain approval, or maintain a complete□accurate response plan.
□iolation □otes□ Returned to compliance on □□□□□□□□□□.
□iolation □ivision□ □os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□ U□T
□iolation □ource□ C□R□

□ite I□□ □□□□□□□
□ite □ame□ TR□□CH □H□RI□□
□iolation □ate□ □□□□□□□□□□□
Citation□ □□ CCR □□ □□□□□□e□□California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□e□
□iolation □escription□ Failure to su□mit a copy of the secondary containment test results to the CU□A within □□ days after the test.
□iolation □otes□ Returned to compliance on □□□□□□□□□□.
□iolation □ivision□ □os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□ U□T
□iolation □ource□ C□R□

□ite I□□ □□□□□□□
□ite □ame□ TR□□CH □H□RI□□
□iolation □ate□ □□□□□□□□□□□
Citation□ H□C □.□□ Multiple □California Health and □afety Code, Chapter □.□□, □ection□s□Multiple
□iolation □escription□ □usiness □lan □rogram □Administration□□ ocumentation □□ eneral
□iolation □otes□ Returned to compliance on □□□□□□□□□□. □□□□R□ATI□ □□□ew permit issued per □A □□□ □non□contiguous □uilding handling compressed gases.

TRENCH SHORING COMPANY (Continued) **S113167116**

Reported to C R under Rosecrans address, however a separate C R I shall e esta lished for the HM located at Rosecrans across the street. C RR CTI ACTI very usiness or usiness concern within the urisdiction of the ACoCU A and su ect to one or more of the program elements shall e re uired to apply for, pay the permit fees, and o tain from the ACoCU A a unified program facility permit for the program elements applica le to such facility prior to the commencement of any usiness or activity related to any of the program elements. The permit re uired under this section shall e posted and conspicuously displayed at the location falling under the re uirements of this chapter. very person, usiness, or usiness concern within the urisdiction of the ACoCU A and su ect to the re uirements of one or more of the program elements shall e re uired to Truncated

iolation ivision os Angeles County Fire epartment
iolation rogram HMRR
iolation ource C R

ite I
ite ame TR CH H RI
iolation ate
Citation CCR California Code of Regulations, Title , Chapter , ection s
iolation escription Failure to maintain on site an approved monitoring plan.
iolation otes Returned to compliance on .
iolation ivision os Angeles County epartment of u lic orks
iolation rogram U T
iolation ource C R

ite I
ite ame TR CH H RI
iolation ate
Citation CCR California Code of Regulations, Title , Chapter , ection s
iolation escription Failure to implement the corrections specified in the inspection report within calendar days of receiving an inspection report from either the U A or special inspector.
iolation otes Returned to compliance on .
iolation ivision os Angeles County epartment of u lic orks
iolation rogram U T
iolation ource C R

ite I
ite ame TR CH H RI
iolation ate
Citation H C . . California Health and afety Code, Chapter . , ection s . . .
iolation escription Failure to su mit and maintain complete and current Certification of Financial Responsi ility or other mechanism of financial assurance.
iolation otes Returned to compliance on .
iolation ivision os Angeles County epartment of u lic orks
iolation rogram U T
iolation ource C R

ite I
ite ame TR CH H RI
iolation ate

TRENCH SHORING COMPANY (Continued) **S113167116**

Citation	CCR a California Code of Regulations, Title , Chapter , ection s a
iolation escription	Failure to su mit, o tain approval, or maintain a complete accurate plot plan.
iolation otes	Returned to compliance on .
iolation ivision	os Angeles County epartment of u lic orks
iolation rogram	U T
iolation ource	C R

valuation

val eneral Type	Compliance valuation Inspection
val ate	
iolations Found	es
val Type	Routine done y local agency
val otes	CT T R C', C R C RR R '. I , , UM U C, A U AR, UCTI , IT TA TH I
val ivision	os Angeles County epartment of u lic orks
val rogram	U T
val ource	C R

val eneral Type	Compliance valuation Inspection
val ate	
iolations Found	o
val Type	Routine done y local agency
val otes	Facility has moved to different location
val ivision	os Angeles County Fire epartment
val rogram	HMRR
val ource	C R

val eneral Type	ther Unknown
val ate	
iolations Found	o
val Type	ther, not routine, done y local agency
val otes	TA R M , IT TA T AM F R ACH TA RMIT IT I U TRIA H I I T IT .
val ivision	os Angeles County epartment of u lic orks
val rogram	U T
val ource	C R

val eneral Type	Compliance valuation Inspection
val ate	
iolations Found	es
val Type	Routine done y local agency
val otes	Ramon ro co, hop Foreman
val ivision	os Angeles County Fire epartment
val rogram	HMRR
val ource	C R

val eneral Type	Compliance valuation Inspection
val ate	
iolations Found	es
val Type	Routine done y local agency
val otes	C CT T FI I A A M U C A MITH I F RFI UCTI T M
val ivision	os Angeles County epartment of u lic orks
val rogram	U T
val ource	C R

TRENCH SHORING COMPANY (Continued) **S113167116**

□val □eneral Type□	Compliance □valuation Inspection
□val □ate□	□□□□□□□□□□□□
□iolations Found□	□es
□val Type□	Routine done □y local agency
□val □otes□	CT□□ R□□U□T□. □R I□□□□□□□ C□RT □□□□□□□□□. □□□□□ □□ □□□□□□□□. □UM□□ □ □□□□□ □□□□□R□, □□ A□ □MITH □I□I□□ □□□□T □ □R□□□ □□□□ A□□U□AR, U□C □ □□□□□.
□val □ivision□	□os Angeles County □epartment of □u□lic □ orks
□val □rogram□	U□T
□val □ource□	C□R□
□val □eneral Type□	Compliance □valuation Inspection
□val □ate□	□□□□□□□□□□□□
□iolations Found□	□es
□val Type□	Routine done □y local agency
□val □otes□	R□□'□ □□C□ □U□MITT□□ F□R R□□I□□ □□A□□□□□□□□□□A□□□□□□□□M□□□U□C□□□□□ □□ □I□□□□A□ □MITH□□□ □□RFI□□□F□□□U□□AT□□ □□C□ □□ □IT□
□val □ivision□	□os Angeles County □epartment of □u□lic □ orks
□val □rogram□	U□T
□val □ource□	C□R□

Coordinates□

□ite I□□	□□□□□□□
Facility □ame□	TR□□CH □H□RI□□
□nv Int Type Code□	U□T
□rogram I□□	□□□□□□□□□
Coord □ame□	□ot reported
Ref □oint Type □esc□	Center of a facility or station.
□atitude□	□□.□□□□□□□
□ongitude□	□□□□.□□□□□□□

Affiliation□

Affiliation Type □esc□	CU□A □istrict
□ntity □ame□	□os Angeles County Fire
□ntity Title□	□ot reported
Affiliation Address□	□□□□ Ricken□acker Road
Affiliation City□	Commerce
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□

Affiliation Type □esc□	Facility Mailing Address
□ntity □ame□	Mailing Address
□ntity Title□	□ot reported
Affiliation Address□	□□□ □ Central Ave
Affiliation City□	Compton
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□
Affiliation □hone□	□ot reported

Affiliation Type □esc□	□perator
□ntity □ame□	Trench □horing □□os Angeles
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	U□T Tank □wner
□ntity □ame□	MA□□□ □ FAMI□□ □ART□□R□
□ntity Title□	□ot reported
Affiliation Address□	□□□ □. R□ □□CRA□□ A□□.
Affiliation City□	□□ □ A□□□□□□
Affiliation □tate□	CA
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	□ocument □reparer
□ntity □ame□	□anielle □ illis
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported
Affiliation Type □esc□	Identification □igner
□ntity □ame□	□anielle □ illis
□ntity Title□	□H□ Coordinator
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported
Affiliation Type □esc□	Regional □oard Caseworker
□ntity □ame□	MAR□AM TAI□□ □□□ □ A□□□□□□ R□ □C□ □R□□I□□ □□
□ntity Title□	□ot reported
Affiliation Address□	□□□ □ . □TH □T., □UIT□ □□□
Affiliation City□	□□ □ A□□□□□□
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□□□□□□□□□□
Affiliation Type □esc□	□egal □wner
□ntity □ame□	Tom Malloy Corp. □□A Trench □horing Co.
□ntity Title□	□ot reported
Affiliation Address□	□□□ □. Central Ave
Affiliation City□	Compton
Affiliation □tate□	CA
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	□ocal Agency Caseworker
□ntity □ame□	MA□U□□ R R□□A□A□□ □□□ □ A□□□□□□ C□U□T□

TRENCH SHORING COMPANY (Continued) **S113167116**

□ntity Title□	□ot reported
Affiliation Address□	□□□ □. FR□M□□T A□□.
Affiliation City□	A□HAM□RA
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported
Affiliation Type □esc□	□arent Corporation
□ntity □ame□	TR□□CH □H□RI□□
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported
Affiliation Type □esc□	U□T □roperty □wner □ame
□ntity □ame□	Malloy Family □artners
□ntity Title□	□ot reported
Affiliation Address□	□□□ □. Rosecrans Ave.
Affiliation City□	□os Angeles
Affiliation □tate□	CA
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	U□T Tank □perator
□ntity □ame□	TR□□CH □H□RI□□
□ntity Title□	□ot reported
Affiliation Address□	□□□ □. Rosecrans Ave.
Affiliation City□	□os Angeles
Affiliation □tate□	CA
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	□nvironmental Contact
□ntity □ame□	□anielle □ illis
□ntity Title□	□ot reported
Affiliation Address□	□□□ □. Central Ave.
Affiliation City□	Compton
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□
Affiliation □hone□	□ot reported
Affiliation Type □esc□	□roperty □wner
□ntity □ame□	Malloy Family □artners
□ntity Title□	□ot reported
Affiliation Address□	□□□ □ Central Ave.
Affiliation City□	Compton
Affiliation □tate□	CA
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□

TRENCH SHORING COMPANY (Continued) **S113167116**

Affiliation Type □esc□	U□T □ermit Applicant
□ntity □ame□	□engo Takhashi
□ntity Title□	□irector of □afety
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□□□□□□□□□□□□

H□ T□□

□ame□	TR□□CH □H□RI□□ C□M□A□□
Address□	□□□ □ R□□□CRA□□ A□□
Address □□	□ot reported
City,□tate,□ip□	□□ □ A□□□□□□, CA □□□□□□□□□□
□□A I□□	CA□□□□□□□□□□□
Inactive □ate□	□ot reported
Create □ate□	□□□□□□□□□□□
□ast Act □ate□	□□□□□□□□□□□
Mailing □ame□	□A□I□□□□□ □ I□□I□
Mailing Address□	□□□ □. C□□TRA□ A□□.
Mailing Address □□	□ot reported
Mailing City,□tate,□ip□	C□M□T□ □, CA □□□□□□□□□□
□wner □ame□	TH□MA□ □ MA□□□□
□wner Address□	□□□ □. C□□TRA□ A□□.
□wner Address □□	□ot reported
□wner City,□tate,□ip□	C□M□T□ □, CA □□□□□□□□□□
Contact □ame□	□A□I□□□□ C □ I□□I□
Contact Address□	□□□ □. C□□TRA□ A□□.
Contact Address □□	□ot reported
City,□tate,□ip□	C□M□T□ □, CA □□□□□□

□AIC□□

□□A I□□	CA□□□□□□□□□□□
Create □ate□	□□□□□□□□□□ □□□□□□□□□
□AIC□ Code□	□□□□□
□AIC□ □escription□	□ther Heavy Construction
Issued □□A I□ □ate□	□□□□□□□□□□ □□□□□□□□□
Inactive □ate□	□ot reported
Facility □ame□	TR□□CH □H□RI□□ C□M□A□□
Facility Address□	□□□ □ R□□□CRA□□ A□□
Facility Address □□	□ot reported
Facility City□	□□ □ A□□□□□□□
Facility County□	□□
Facility □tate□	CA
Facility □ip□	□□□□□□□□□□

□□A I□□	CA□□□□□□□□□□□
Create □ate□	□□□□□□□□□□ □□□□□□□□□
□AIC□ Code□	□□□□□□
□AIC□ □escription□	Consumer □lectronics and Appliances Rental
Issued □□A I□ □ate□	□□□□□□□□□□ □□□□□□□□□
Inactive □ate□	□ot reported
Facility □ame□	TR□□CH □H□RI□□ C□M□A□□
Facility Address□	□□□ □ R□□□CRA□□ A□□
Facility Address □□	□ot reported

TRENCH SHORING COMPANY (Continued) **S113167116**

Facility City□ □□ A□□□□□□
Facility County□ □□
Facility □tate□ CA
Facility □ip□ □□□□□□□□□

G43 **TRANSDEV** **RCRA NonGen / NLR** **1026045967**
West **636 ROSECRANS AVE** **CAC003052418**
1/8-1/4 **LOS ANGELES, CA 90059**
0.168 mi.
886 ft. **Site 4 of 8 in cluster G**

Relative:
Higher

Actual:
119 ft.

RCRA □on□en □□□R□
□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□.□
Facility name□ TRA□□□□□
Facility address□ □□□ R□ □□CRA□□ A□□
□□ □ A□□□□□□, CA □□□□□
□□A I□□ CAC□□□□□□□□□
Contact□ MI□ U□□ C□□TR□RA□
Contact address□ □□□ R□ □□CRA□□ A□□
□□ □ A□□□□□□, CA □□□□□
Contact country□ □ot reported
Contact telephone□ □□□□□□□□□□□□
Contact email□ □□RI□ U□.MU□□□□ □AF□T□□□□□□.C□M
□□A Region□ □□
Classification□ □on□□enerator
□escription□ Handler□□on□□enerators do not presently generate ha□ardous waste

□wner□□perator □ummary□
□wner□operator name□ MI□ U□□ C□□TR□RA□
□wner□operator address□ □□□ R□ □□CRA□□ A□□
□□ □ A□□□□□□, CA □□□□□
□wner□operator country□ □ot reported
□wner□operator telephone□ □□□□□□□□□□□□
□wner□operator email□ □ot reported
□wner□operator fa□□ □ot reported
□wner□operator e□tension□ □ot reported
□egal status□ □ther
□wner□□perator Type□ □wner
□wner□□p start date□ □ot reported
□wner□□p end date□ □ot reported

□wner□operator name□ MI□ U□□ C□□TR□RA□
□wner□operator address□ □□□ R□ □□CRA□□ A□□
□□ □ A□□□□□□, CA □□□□□
□wner□operator country□ □ot reported
□wner□operator telephone□ □□□□□□□□□□□□
□wner□operator email□ □ot reported
□wner□operator fa□□ □ot reported
□wner□operator e□tension□ □ot reported
□egal status□ □ther
□wner□□perator Type□ □perator
□wner□□p start date□ □ot reported
□wner□□p end date□ □ot reported

Handler Activities □ummary□
U.□. importer of ha□ardous waste□ □o

TRANSDEV (Continued) **1026045967**

Mi□ed waste □ha□. and radioactive□□	□ot reported
Recycler of ha□ardous waste□	□o
Transporter of ha□ardous waste□	□o
Treater, storer or disposer of H□ □	□o
Underground in□ection activity□	□o
□n□site □urner e□emption□	□o
Furnace e□emption□	□o
Used oil fuel □urner□	□o
Used oil processor□	□o
User oil refiner□	□o
Used oil fuel marketer to □urner□	□o
Used oil □pecification marketer□	□o
Used oil transfer facility□	□o
Used oil transporter□	□o

□iolation □tatus□ □o violations found

G44 **TRENCH SHORING COMPANY** **RCRA NonGen / NLR** **1024875924**
West **636 E ROSECRANS AVE** **CAL921963930**
1/8-1/4 **LOS ANGELES, CA 90059**
0.168 mi.
886 ft. **Site 5 of 8 in cluster G**

Relative:
Higher

Actual:
119 ft.

RCRA □on□en □□R□

□ate form received □y agency□□□□□□□□□□□□	□□□□□□□□□□□□.□
Facility name□	TR□□CH □H□RI□□ C□M□A□□
Facility address□	□□□ □ R□□□CRA□□ A□□ □□ □ A□□□□□□, CA □□□□□□□□□□
□□A I□□	CA□□□□□□□□□□□□
Contact□	□□□I□ MA□□□ □
Contact address□	□□□ □ R□□□CRA□□ A□□ □□ □ A□□□□□□, CA □□□□□□
Contact country□	□ot reported
Contact telephone□	□□□□□□□□□□□□□□
Contact email□	□□□□□T□ TR□□CH□H□RI□□.C□M
□□A Region□	□□
Classification□	□on□□ enerator
□escription□	Handler□□on□□ enerators do not presently generate ha□ardous waste

□wner□□ perator □ummary□

□wner□operator name□	TH□MA□ □ MA□□□ □
□wner□operator address□	□□□ □ R□□□CRA□□ A□□ □□ □ A□□□□□□, CA □□□□□□
□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□□□
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□ther
□wner□□ perator Type□	□wner
□wner□□ p start date□	□ot reported
□wner□□ p end date□	□ot reported

□wner□operator name□	□□□I□ MA□□□ □
□wner□operator address□	□□□ □ R□□□CRA□□ A□□ □□ □ A□□□□□□, CA □□□□□□
□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□□□

TRENCH SHORING COMPANY (Continued) **1024875924**

□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□ther
□wner□□perator Type□	□perator
□wner□□p start date□	□ot reported
□wner□□p end date□	□ot reported

Handler Activities □ummary□

U.□. importer of ha□ardous waste□	□o
Mi□ed waste □ha□. and radioactive□□	□o
Recycler of ha□ardous waste□	□o
Transporter of ha□ardous waste□	□o
Treater, storer or disposer of H□ □	□o
Underground in□ection activity□	□o
□n□site □urner e□emption□	□o
Furnace e□emption□	□o
Used oil fuel □urner□	□o
Used oil processor□	□o
User oil refiner□	□o
Used oil fuel marketer to □urner□	□o
Used oil □pecification marketer□	□o
Used oil transfer facility□	□o
Used oil transporter□	□o

□iolation □tatus□ □o violations found

H45 **MILLER'S CLEANERS** **RCRA NonGen / NLR** **1025875045**
ENE **2339 W ROSECRANS AVE** **CAL000448178**
1/8-1/4 **LOS ANGELES, CA 90059**
0.181 mi.
954 ft. **Site 1 of 6 in cluster H**

Relative: **Lower**

Actual: **109 ft.**

RCRA □on□en □□R□

□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□□.□

Facility name□	MI□□□R'□ C□□A□□R□
Facility address□	□□□□ □ R□ □□CRA□□ A□□ □□ □ A□ □□□□□, CA □□□□□
□□A I□□	CA□□□□□□□□□□□
Contact□	A□ICIA □□ □□□
Contact address□	□□□□ □ R□ □□CRA□□ A□□ □□ □ A□ □□□□□, CA □□□□□
Contact country□	□ot reported
Contact telephone□	□□□□□□□□□□□□
Contact email□	A□A□□□□□ □□□ □AH□□.C□M
□□A Region□	□□
Classification□	□on□□ enerator
□escription□	Handler□□ on□□ enerators do not presently generate ha□ardous waste

□wner□□ perator □ummary□

□wner□operator name□	A□ICIA □□ □□□
□wner□operator address□	□□□□ □ R□ □□CRA□□ A□□ □□ □ A□ □□□□□, CA □□□□□
□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported

MILLER'S CLEANERS (Continued) **1025875045**

□egal status□	□ther
□wner□□perator Type□	□perator
□wner□□p start date□	□ot reported
□wner□□p end date□	□ot reported
□wner□operator name□	A□ICIA □A□□□□□
□wner□operator address□	□□□□ □ R□□□CRA□□ A□□ □□ □ A□□□□□□, CA □□□□□
□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□ther
□wner□□perator Type□	□wner
□wner□□p start date□	□ot reported
□wner□□p end date□	□ot reported

Handler Activities □ummary□

U.□. importer of ha□ardous waste□	□o
Mi□ed waste □ha□. and radioactive□□	□o
Recycler of ha□ardous waste□	□o
Transporter of ha□ardous waste□	□o
Treater, storer or disposer of H□ □	□o
Underground in□ection activity□	□o
□n□site □urner e□emption□	□o
Furnace e□emption□	□o
Used oil fuel □urner□	□o
Used oil processor□	□o
User oil refiner□	□o
Used oil fuel marketer to □urner□	□o
Used oil □pecification marketer□	□o
Used oil transfer facility□	□o
Used oil transporter□	□o

□iolation □tatus□ □o violations found

H46 **MILLERS CLEANERS** **DRYCLEANERS** **S106166780**
ENE **2339 W ROSECRANS AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90059**
0.181 mi.
954 ft. **Site 2 of 6 in cluster H**

Relative: □R□C□□A□□R□□
Lower

□ame□	MI□□□R□ C□□A□□R□
Address□	□□□□ □ R□□□CRA□□ A□□
City,□tate,□ip□	□□ □ A□□□□□□, CA □□□□□□□□□
□□A Id□	CA□□□□□□□□□□
□AIC□ Code□	□□□□□□
□AIC□ □escription□	□rycleaning and □aundry □ervices □e□cept Coin□□perated□
□IC Code□	□□□□
□IC □escription□	□ower □aundries, Family and Commercial
Create □ate□	□□□□□□□□□□
Facility Active□	□o
Inactive □ate□	□□□□□□□□□□
Facility Addr□□	□ot reported
□wner □ame□	A□ICIA □A□□□□□
□wner Address□	□□□□ □ R□□□CRA□□ A□□

Actual:
109 ft.

MILLERS CLEANERS (Continued) **S106166780**

Owner Address:	Not reported
Owner Telephone:	[illegible]
Contact Name:	ALICIA [illegible]
Contact Address:	[illegible] R[illegible]CRA[illegible] A[illegible]
Contact Address:	Not reported
Contact Telephone:	[illegible]
Mailing Name:	Not reported
Mailing Address:	[illegible] R[illegible]CRA[illegible] A[illegible]
Mailing Address:	Not reported
Mailing City:	[illegible] A[illegible]
Mailing State:	CA
Mailing Zip:	[illegible]
Owner Fax:	[illegible]
Region Code:	[illegible]

H47 **MILLER'S CLEANERS, W. & A. MILLER-ANDERS** **DRYCLEANERS** **S121697554**
ENE **2339 W ROSECRANS AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90059**
0.181 mi.
954 ft. **Site 3 of 6 in cluster H**

Relative: CERCLA SITE LIST
Lower

Name:	MI[illegible]R'S C[illegible]A[illegible]R, [illegible]. A. MI[illegible]R[illegible]A[illegible]R
Actual: Address:	[illegible] R[illegible]CRA[illegible] A[illegible]
109 ft. City,State,Zip:	[illegible] A[illegible], CA [illegible]
Facility ID:	[illegible]
Application Number:	[illegible]
Permit Number:	M[illegible]
Status:	[illegible]
Representative Name:	FRA[illegible]CI[illegible]C[illegible] [illegible]A[illegible]
Representative Telephone:	[illegible]
Permit Status:	I[illegible]ACT[illegible]R
SCAT Number:	[illegible]
SCAT Description:	[illegible]R[illegible] C[illegible]A[illegible]I[illegible] [illegible]UI[illegible] [illegible]RCH[illegible]R[illegible]TH[illegible]
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	[illegible]
UTM North:	[illegible]

H48 **MILLER'S CLEANERS** **CERS HAZ WASTE** **S106835649**
ENE **2339 W ROSECRANS AVE** **DRYCLEANERS** **N/A**
1/8-1/4 **LOS ANGELES, CA 90059** **EMI**
0.181 mi.
954 ft. **Site 4 of 6 in cluster H**

Relative: CERS HAZ WASTE
Lower

Name:	MI[illegible]R'S C[illegible]A[illegible]R[illegible]
Actual: Address:	[illegible] R[illegible]CRA[illegible] A[illegible]
109 ft. City,State,Zip:	[illegible] A[illegible], CA [illegible]
Site ID:	[illegible]
CERS ID:	[illegible]
CERS Description:	Hazardous Waste Generator

Violations:

Site ID:	[illegible]
Site Name:	MI[illegible]R'S C[illegible]A[illegible]R[illegible]
Violation Date:	[illegible]

MILLER'S CLEANERS (Continued) **S106835649**

Citation CC CCR CC .f CC California Code of Regulations, Title C, Chapter C, ection s .f

iolation escription Failure to properly la el ha ardous waste accumulation containers and porta le tanks with the following re uirements Ha ardous aste name and address of the generator, physical and chemical characteristics of the Ha ardous aste, and starting accumulation date.

iolation otes Returned to compliance on . R ATI gallon drum of tetrachloroethylene located in the ha ardous waste storage area was o served without the following information on the la el accumulation start date. C RR CTI ACTI Corrected on site.

iolation ivision os Angeles County Fire epartment

iolation rogram H

iolation ource C R

ite I

ite ame MI R' C A R

iolation ate

Citation CC CCR CC .f CC California Code of Regulations, Title C, Chapter C, ection s .f

iolation escription Failure to properly la el ha ardous waste accumulation containers and porta le tanks with the following re uirements Ha ardous aste name and address of the generator, physical and chemical characteristics of the Ha ardous aste, and starting accumulation date.

iolation otes Returned to compliance on . R ATI served one gallon drum for storing TC with ha ardous waste la el missing accumulation start date. All ha ardous waste containers shall e marked with the following information the words Ha ardous aste name and address of generator ha ardous properties physical state composition contents accumulation start date. C RR CTI ACTI Immediately la el these containers and ensure that all ha ardous waste containers are marked with all the re uired information.

iolation ivision os Angeles County Fire epartment

iolation rogram H

iolation ource C R

ite I

ite ame MI R' C A R

iolation ate

Citation CC CCR CC .a CC California Code of Regulations, Title C, Chapter C, ection s .a

iolation escription Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted y the initial transporter. The manifest signed at the time the waste was accepted for transport shall e kept until receiving a signed copy from the designated facility which received the waste.

iolation otes Returned to compliance on . R ATI Copies of ha ardous waste disposal records were not found on site. Ha ardous waste generators shall retain copies of all manifests signed off y the disposal facility and all receipts used in a consolidated manifesting procedure on site for three years and have them readily availa le for review. C RR CTI ACTI Immediately locate a copy of all manifests and receipts for the last three years, maintain them on site, and su mit copies to the CU A within days.

iolation ivision os Angeles County Fire epartment

MILLER'S CLEANERS (Continued) **S106835649**

iolation rogram	H
iolation ource	C R
ite I	
ite ame	MI R' C A R
iolation ate	
Citation	CCR CALIFORNIA CODE OF REGULATIONS, TITLE , CHAPTER , ECTION S
iolation escription	Failure to o tain an Identification um er prior to treating, storing, disposing of, transporting or offering for transportation any ha ardous waste.
iolation otes	Returned to compliance on . R ATI The generator's A I num er is inactive. A ha ardous waste generator shall not treat, store, dispose of, transport or offer for transportation, ha ardous waste without an active A I num er. C RR CTI ACTI u mit documentation to the CU A demonstrating that you have reactivated the facility's A I num er.
iolation ivision	os Angeles County Fire epartment
iolation rogram	H
iolation ource	C R

valuation

val eneral Type	ther Unknown
val ate	
iolations Found	o
val Type	ther, not routine, done y local agency
val otes	iolation a ated manifest received
val ivision	os Angeles County Fire epartment
val rogram	H
val ource	C R
val eneral Type	ther Unknown
val ate	
iolations Found	o
val Type	ther, not routine, done y local agency
val otes	ot reported
val ivision	os Angeles County Fire epartment
val rogram	H
val ource	C R
val eneral Type	Compliance valuation Inspection
val ate	
iolations Found	es
val Type	Routine done y local agency
val otes	Alma Rodrigue
val ivision	os Angeles County Fire epartment
val rogram	H
val ource	C R
val eneral Type	ther Unknown
val ate	
iolations Found	o
val Type	ther, not routine, done y local agency
val otes	ylvia alle o
val ivision	os Angeles County Fire epartment
val rogram	H
val ource	C R

MILLER'S CLEANERS (Continued) **S106835649**

□val □eneral Type□	Compliance □valuation Inspection
□val □ate□	□□□□□□□□□□□□
□iolations Found□	□es
□val Type□	Routine done □y local agency
□val □otes□	Alicia □alle□φ, □wner
□val □ivision□	□os Angeles County Fire □epartment
□val □rogram□	H□
□val □ource□	C□R□

Coordinates□

□ite I□□	□□□□□□□
Facility □ame□	MI□□□R'□ C□□A□□R□
□nv Int Type Code□	H□ □
□rogram I□□	□□□□□□□□□
Coord □ame□	□ot reported
Ref □oint Type □esc□	Center of a facility or station.
□atitude□	□□.□□□□□□□
□ongitude□	□□□□.□□□□□□□

Affiliation□

Affiliation Type □esc□	□egal □wner
□ntity □ame□	FRA□CI□C□ □A□□□□□
□ntity Title□	□ot reported
Affiliation Address□	□□□□ □ R□ □□CRA□□ A□□
Affiliation City□	□□ □ A□□ □□□□
Affiliation □tate□	CA
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□

Affiliation Type □esc□	CU□A □istrict
□ntity □ame□	□os Angeles County Fire
□ntity Title□	□ot reported
Affiliation Address□	□□□□ Ricken□acker Road
Affiliation City□	Commerce
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□

Affiliation Type □esc□	Facility Mailing Address
□ntity □ame□	Mailing Address
□ntity Title□	□ot reported
Affiliation Address□	□□□□ □ R□ □□CRA□□ A□□
Affiliation City□	□□ □ A□□ □□□□
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□
Affiliation □hone□	□ot reported

Affiliation Type □esc□	□arent Corporation
□ntity □ame□	MI□□□R'□ C□□A□□R□
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported

MILLER'S CLEANERS (Continued) **S106835649**

Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

□R□C□□A□□R□□

□ame□	MI□□□R'□ C□□A□□R□
Address□	□□□□ □ R□□□CRA□□ A□□
City,□tate,□ip□	□□ □ A□□□□□□, CA □□□□□
□□A Id□	CA□□□□□□□□□□□
□AIC□ Code□	□□□□□□
□AIC□ □escription□	□rycleaning and □aundry □ervices □e□cept Coin□□perated□
□IC Code□	□□□□
□IC □escription□	□ower □aundries, Family and Commercial
Create □ate□	□□□□/□□/□□□□
Facility Active□	□es
Inactive □ate□	□ot reported
Facility Addr□□	□ot reported
□wner □ame□	A□ICIA □A□□□□
□wner Address□	□□□□ □ R□□□CRA□□ A□□
□wner Address □□	□ot reported
□wner Telephone□	□□□□□□□□□□□
Contact □ame□	A□ICIA □□ □□□
Contact Address□	□□□□ □ R□□□CRA□□ A□□
Contact Address □□	□ot reported
Contact Telephone□	□□□□□□□□□□□
Mailing □ame□	□ot reported
Mailing Address □□	□□□□ □ R□□□CRA□□ A□□
Mailing Address □□	□ot reported
Mailing City□	□□ □ A□□□□□□
Mailing □tate□	CA
Mailing □ip□	□□□□□
□wner Fa□□	□ot reported
Region Code□	□

□MI□

□ame□	MI□□□R'□ C□□A□□R□, □ . □ A. MI□
Address□	□□□□ □ R□□□CRA□□ A□
City,□tate,□ip□	□□ □ A□□□□□□, CA □□□□□
□ear□	□□□□
County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□
Reactive □rganic □ases Tons□□r□	□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

H49 **MILLER'S CLEANERS** **DRYCLEANERS** **S121700355**
ENE **2339 W ROSECRANS AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90059**
0.181 mi.
954 ft. **Site 5 of 6 in cluster H**

Relative: □R□C□□A□ □□UTH C□A□T□
Lower

Actual:
109 ft.

□ame□	MI□□□R'□ C□□A□□R□
Address□	□□□□ □ R□□□CRA□□ A□□
City,□tate,□ip□	□□□ A□□□□□□, CA □□□□□
Facility I□□	□□□□□
Application □um□er□	□□□□□□
□ermit □um□er□	□□□□□□
□tatus□	A
Representative □ame□	FRA□CI□C□ □A□□□□
Representative Telephone□	□□□ □□□□□□□
□ermit □tatus□	I□ACT□□R
□CAT □um□er□	□□□□□□
□CAT □escription□	□R□ C□□A□I□□ □□UI□ □□RCH□□R□□TH□□□□
CCAT □um□er□	□□
CCAT □escription□	□A□□R R□C□□□R□ U□IT C□M□R□□□ □ C□□□□□□□
UTM □ast□	□□□.□□□□□□
UTM □orth□	□□□□.□□□□□□

□ame□	MI□□□R'□ C□□A□□R□
Address□	□□□□ □ R□□□CRA□□ A□□
City,□tate,□ip□	□□□ A□□□□□□, CA □□□□□
Facility I□□	□□□□□
Application □um□er□	□□□□□□
□ermit □um□er□	F□□□□□
□tatus□	A
Representative □ame□	FRA□CI□C□ □A□□□□
Representative Telephone□	□□□ □□□□□□□
□ermit □tatus□	I□ACTI□□
□CAT □um□er□	□□□□□□
□CAT □escription□	□R□ C□□A□I□□, □R□□T□□□R□, C□□□□RT□□ □□RC
CCAT □um□er□	□□
CCAT □escription□	□A□□R R□C□□□R□ U□IT C□M□R□□□ □ C□□□□□□□
UTM □ast□	□□□.□□□□□□
UTM □orth□	□□□□.□□□□□□

□ame□	MI□□□R'□ C□□A□□R□
Address□	□□□□ □ R□□□CRA□□ A□□
City,□tate,□ip□	□□□ A□□□□□□, CA □□□□□
Facility I□□	□□□□□
Application □um□er□	□□□□□□
□ermit □um□er□	F□□□□□
□tatus□	A
Representative □ame□	FRA□CI□C□ □A□□□□
Representative Telephone□	□□□ □□□□□□□
□ermit □tatus□	I□ACTI□□
□CAT □um□er□	□□□□□□
□CAT □escription□	□R□ C□□A□I□□,□R□□T□□□R□ □□,□ □□IC,□□RC
CCAT □um□er□	□□
CCAT □escription□	□A□□R R□C□□□R□ U□IT C□M□R□□□ □ C□□□□□□□
UTM □ast□	□□□.□□□□□□
UTM □orth□	□□□□.□□□□□□

□ame□ MI□□□R'□ C□□A□□R□

MILLER'S CLEANERS (Continued) **S121700355**

Address□	□□□□ □ R□ □□CRA□□ A□□
City,□tate,□ip□	□□ □ A□□□□□□□, CA □□□□□□
Facility I□□	□□□□□□
Application □um□er□	□□□□□□□
□ermit □um□er□	□ □□□□□□
□tatus□	A
Representative □ame□	FRA□CI□C□ □A□□□□□
Representative Telephone□	□□□ □□□□□□□□
□ermit □tatus□	ACTI□□
□CAT □um□er□	□□□□□□□
□CAT □escription□	□R□ C□□A□I□□ ,□R□□T□□□I□R□ □□,□ □□IC,□□RC
CCAT □um□er□	□□
CCAT □escription□	□A□□R R□C□□□R□ U□IT C□M□R□□□ □ C□□□□□□□□
UTM □ast□	□□□.□□□□□□□□
UTM □orth□	□□□□.□□□□□□□
□ame□	MI□□□R'□ C□□A□□R□
Address□	□□□□ □ R□ □□CRA□□ A□□
City,□tate,□ip□	□□ □ A□□□□□□□, CA □□□□□□
Facility I□□	□□□□□□
Application □um□er□	□□□□□□□
□ermit □um□er□	□ □□□□□□
□tatus□	A
Representative □ame□	FRA□CI□C□ □A□□□□□
Representative Telephone□	□□□ □□□□□□□□
□ermit □tatus□	ACTI□□
□CAT □um□er□	□□□□□□□
□CAT □escription□	□R□ C□□A□I□□ □□UI□ □□TR□□□UM □□□□□□T
CCAT □um□er□	□□
CCAT □escription□	□A□□R R□C□□□R□ U□IT C□M□R□□□ □ C□□□□□□□□
UTM □ast□	□□□.□□□□□□□□
UTM □orth□	□□□□.□□□□□□□

H50 **MILLERS CLEANERS** **RCRA-SQG** **1000594774**
ENE **2339 W ROSECRANS** **FINDS** **CAD983586587**
1/8-1/4 **EL SEGUNDO, CA 90245** **ECHO**
0.181 mi. **HAZNET**
954 ft. **Site 6 of 6 in cluster H** **HWTS**

Relative:
Lower

Actual:
109 ft.

RCRA□□□□□

□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□.□	
Facility name□	MI□□□R□ C□□A□□R□
Facility address□	□□□□ □ R□ □□CRA□□ □□ □□□U□□□, CA □□□□□□
□□A I□□	CA□□□□□□□□□□
Contact□	FRA□CI□C□ □A□□□□□
Contact address□	□□□□ □ R□ □□CRA□□ C□M□T□□, CA □□□□□□
Contact country□	U□
Contact telephone□	□□□□□□□□□□□□
Contact email□	□ot reported
□□A Region□	□□
Classification□	□mall □mall □uantity □enerator
□escription□	Handler□generates more than □□□ and less than □□□□ kg of ha□ardous waste during any calendar month and accumulates less than □□□□ kg of ha□ardous waste at any time□or generates □□□ kg or less of ha□ardous waste during any calendar month, and accumulates more than □□□□ kg of ha□ardous waste at any time

MILLERS CLEANERS (Continued) **1000594774**

□wner□□ perator □ummary□

□wner□operator name□	FRA□ CI□C□ □A□□□□□
□wner□operator address□	□□T R□□ UIR□□
	□□T R□□ UIR□□, M□ □□□□□
□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□rivate
□wner□□ perator Type□	□wner
□wner□□ p start date□	□ot reported
□wner□□ p end date□	□ot reported

□wner□operator name□	□□T R□□ UIR□□
□wner□operator address□	□□T R□□ UIR□□
	□□T R□□ UIR□□, M□ □□□□□
□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□rivate
□wner□□ perator Type□	□perator
□wner□□ p start date□	□ot reported
□wner□□ p end date□	□ot reported

Handler Activities □ummary□

U.□. importer of ha□ardous waste□	□o
Mi□ed waste □ha□. and radioactive□□	□o
Recycler of ha□ardous waste□	□o
Transporter of ha□ardous waste□	□o
Treater, storer or disposer of H□ □	□o
Underground in□ection activity□	□o
□n□site □urner e□emption□	□o
Furnace e□emption□	□o
Used oil fuel □urner□	□o
Used oil processor□	□o
User oil refiner□	□o
Used oil fuel marketer to □urner□	□o
Used oil □pecification marketer□	□o
Used oil transfer facility□	□o
Used oil transporter□	□o

□iolation □tatus□ □o violations found

FI□□□□

Registry I□□ □□□□□□□□□□□□

Click Here□

□nvironmental Interest□Information □ystem□

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 ha□ardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

MILLERS CLEANERS (Continued) **1000594774**

corrective action activities re□uired under RCRA.

Click this hyperlink while viewing on your computer to access additional FI□□□□detail in the □□R □ite Report.

□CH□□
□nvid□ □□□□□□□□□□□□
Registry I□□ □□□□□□□□□□□□□□
□FR UR□□ http□□□echo.epa.gov□detailed□facility□report□fid□□□□□□□□□□□□□□□
□ame□ MI□□□R□ C□□A□□R□
Address□ □□□□ □ R□ □□CRA□□
City,□tate,□ip□ □□ □□□□U□□□, CA □□□□□

HA□□□T□
□ame□ MI□□□R□ C□□A□□R□
Address□ □□□□ □ R□ □□CRA□□ A□□
Address □□ □ot reported
City,□tate,□ip□ □□ □ A□□ □□□□, CA □□□□□□□□□□
Contact□ A□ICIA □□ □□□
Telephone□ □□□□□□□□□□
Mailing □ame□ □ot reported
Mailing Address□ □□□□ □ R□ □□CRA□□ A□□

□ear□ □□□□
□epaid□ CA□ □□□□□□□□□□
T□□ □□A I□□ □□□□□□□□□□□□
CA □ aste Code□ □□□ □□i□uids with halogenated organic compounds □□ □,□□□ Mg.□□
□isposal Method□ H□□□ □Incineration□□Thermal □estruction □ther Than Use As A Fuel
Tons□ □.□□□□□

□ear□ □□□□
□epaid□ CA□ □□□□□□□□□□
T□□ □□A I□□ □□□□□□□□□□□□
CA □ aste Code□ □□□ □□i□uids with halogenated organic compounds □□ □,□□□ Mg.□□
□isposal Method□ □
Tons□ □.□□□

□ear□ □□□□
□epaid□ CA□ □□□□□□□□□□
T□□ □□A I□□ □□□□□□□□□□□□
CA □ aste Code□ □□□ □□i□uids with halogenated organic compounds □□ □,□□□ Mg.□□
□isposal Method□ H□□□ □Incineration□□Thermal □estruction □ther Than Use As A Fuel
Tons□ □.□□□

□ear□ □□□□
□epaid□ CA□ □□□□□□□□□□
T□□ □□A I□□ □□□□□□□□□□□□
CA □ aste Code□ □□□ □□i□uids with halogenated organic compounds □□ □,□□□ Mg.□□
□isposal Method□ H□□□ □Incineration□□Thermal □estruction □ther Than Use As A Fuel
Tons□ □.□□□

□ear□ □□□□
□epaid□ CA□ □□□□□□□□□□
T□□ □□A I□□ CA□ □□□□□□□□□□
CA □ aste Code□ □□□ □□i□uids with halogenated organic compounds □□ □,□□□ Mg.□□
□isposal Method□ H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□o Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□

MILLERS CLEANERS (Continued) **1000594774**

Tons□ □.□□

□ear□ □□□□
□epaid□ CA□ □□□□□□□□□□
T□□ □□A I□□ CAT□□□□□□□□□□
CA □ aste Code□ □□□ □□i□uids with halogenated organic compounds □□ □,□□□ Mg.□□
□isposal Method□ H□□□ □□torage, □ulking, And□□ r Transfer □ ff □ite□□□ o
Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
Tons□ □.□□□

□ear□ □□□□
□epaid□ CA□ □□□□□□□□□□
T□□ □□A I□□ CAT□□□□□□□□□□
CA □ aste Code□ □□□ □□i□uids with halogenated organic compounds □□ □,□□□ Mg.□□
□isposal Method□ H□□□ □□torage, □ulking, And□□ r Transfer □ ff □ite□□□ o
Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
Tons□ □.□□□□

□ear□ □□□□
□epaid□ CA□ □□□□□□□□□□
T□□ □□A I□□ CAT□□□□□□□□□□
CA □ aste Code□ □□□ □□i□uids with halogenated organic compounds □□ □,□□□ Mg.□□
□isposal Method□ H□□□ □□torage, □ulking, And□□ r Transfer □ ff □ite□□□ o
Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
Tons□ □.□□□□

□ear□ □□□□
□epaid□ CA□ □□□□□□□□□□
T□□ □□A I□□ CAT□□□□□□□□□□
CA □ aste Code□ □□□ □□i□uids with halogenated organic compounds □□ □,□□□ Mg.□□
□isposal Method□ □
Tons□ □.□□□

□ear□ □□□□
□epaid□ CA□ □□□□□□□□□□
T□□ □□A I□□ CAT□□□□□□□□□□
CA □ aste Code□ □□□ □□i□uids with halogenated organic compounds □□ □,□□□ Mg.□□
□isposal Method□ H□□□ □□torage, □ulking, And□□ r Transfer □ ff □ite□□□ o
Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
Tons□ □.□□□□

Click this hyperlink while viewing on your computer to access
□□ additional CA HA□□□T□record□$□in the □□R □ite Report.

Additional Info□
□ear□ □□□□
□en □□A I□□ CA□ □□□□□□□□□□

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□□
Receipt □ate□ □ot reported
Manifest I□□ □□□□□□□□
Trans □□A I□□ I□□ □□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported

MILLERS CLEANERS (Continued) **1000594774**

T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	□□ot reported
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	I□□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	I□□ □□□□□□□□□□
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□ □□□□□□□□□□
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□

MILLERS CLEANERS (Continued) **1000594774**

RCRA Code F
Meth Code H torage, ulking, And r Transfer ff ite o
Treatment Reovery H H r H H
uantity Tons .
aste uantity
uantity Unit
Additional Code
Additional Code
Additional Code
Additional Code ot reported
Additional Code ot reported

hipment ate
Creation ate
Receipt ate
Manifest I
Trans A I T R
Trans ame AF T T M I C
Trans A I ot reported
Trans ame ot reported
T F A I CAT
Trans ame AF T T M I C
T F Alt A I ot reported
T F Alt ame ot reported
aste Code escription i uids with halogenated organic compounds mg
RCRA Code F
Meth Code H torage, ulking, And r Transfer ff ite o
Treatment Reovery H H r H H
uantity Tons .
aste uantity
uantity Unit
Additional Code
Additional Code
Additional Code
Additional Code ot reported
Additional Code ot reported

hipment ate
Creation ate
Receipt ate
Manifest I
Trans A I T R
Trans ame AF T T M I C
Trans A I ot reported
Trans ame ot reported
T F A I CAT
Trans ame AF T T M I C
T F Alt A I ot reported
T F Alt ame ot reported
aste Code escription i uids with halogenated organic compounds mg
RCRA Code F
Meth Code H torage, ulking, And r Transfer ff ite o
Treatment Reovery H H r H H
uantity Tons .
aste uantity
uantity Unit
Additional Code

MILLERS CLEANERS (Continued) **1000594774**

Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□ot reported
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□□□□□□□□□□□
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ ff □ite□□□ o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ ff □ite□□□ o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□□□□

MILLERS CLEANERS (Continued) **1000594774**

Additional Code □□ □ot reported

Additional Info□
□ear□ □□□□
□en □□A I□□ CA□□□□□□□□□□

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ T□R□□□□□□□□□
Trans □ame□ □AF□T□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□
Trans □ame□ □AF□T□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□ CAT□□□□□□□□□
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□ F□□□
Meth Code□ H□□ □Transfer □tation
□uantity Tons□ □.□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ T□R□□□□□□□□□
Trans □ame□ □AF□T□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□
Trans □ame□ □AF□T□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□ CAT□□□□□□□□□
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□ F□□□
Meth Code□ H□□ □Transfer □tation
□uantity Tons□ □.□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□

MILLERS CLEANERS (Continued) **1000594774**

Manifest I□□	□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported

MILLERS CLEANERS (Continued) **1000594774**

□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

MILLERS CLEANERS (Continued) **1000594774**

Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□□ mg□l
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□□ mg□l
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□□
Manifest I□□	□□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□□ □□□T□M□ I□C

MILLERS CLEANERS (Continued) **1000594774**

Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□□□□□□□□□□□
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	I□□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	I□□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported

MILLERS CLEANERS (Continued) **1000594774**

T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□ □□□□□□□□□□
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	□CR□□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	□CR□□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□

MILLERS CLEANERS (Continued) **1000594774**

□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ □CR□□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□□
Trans □ame□ □ot reported
T□□F Alt □□A I□□ □ot reported
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□ F□□□
Meth Code□ H□□ □Transfer □tation
□uantity Tons□ □.□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ □CR□□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□□
Trans □ame□ □ot reported
T□□F Alt □□A I□□ □ot reported
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□ot reported
RCRA Code□ □ot reported
Meth Code□ H□□ □Transfer □tation
□uantity Tons□ □ot reported
□ aste □uantity□ □ot reported
□uantity Unit□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□

MILLERS CLEANERS (Continued) **1000594774**

Creation □ate□	□□□□□□□□□ □□□□□□□□□
Receipt □ate□	□□□□□□□□□
Manifest I□□	□□□□□□□□□
Trans □□A I□□	□CR□□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□ot reported
□ aste □uantity□	□ot reported
□uantity Unit□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□□
Creation □ate□	□□□□□□□□□ □□□□□□□□□
Receipt □ate□	□□□□□□□□□
Manifest I□□	□□□□□□□□□
Trans □□A I□□	□CR□□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□□
Creation □ate□	□□□□□□□□□ □□□□□□□□□
Receipt □ate□	□□□□□□□□□
Manifest I□□	□□□□□□□□□
Trans □□A I□□	□CR□□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported

ite

ata ase s

MILLERS CLEANERS (Continued) **1000594774**

T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	i uids with halogenated organic compounds mg
RCRA Code	F
Meth Code	H Transfer tation
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	
Trans A I	CR
Trans ame	ot reported
Trans A I	ot reported
Trans ame	ot reported
T F A I	CAT
Trans ame	ot reported
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	i uids with halogenated organic compounds mg
RCRA Code	F
Meth Code	H Transfer tation
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported

Additional Info

ear	
en A I	CA
hipment ate	
Creation ate	
Receipt ate	
Manifest I	
Trans A I	T R
Trans ame	AF T T M I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CAT
Trans ame	AF T T M I C
T F Alt A I	CAT
T F Alt ame	ot reported
aste Code escription	i uids with halogenated organic compounds mg
RCRA Code	F
Meth Code	ot reported

MILLERS CLEANERS (Continued) **1000594774**

□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

MILLERS CLEANERS (Continued) **1000594774**

□hipment □ate□
Creation □ate□
Receipt □ate□
Manifest I□□
Trans □□A I□□
Trans □ame□
Trans □ □□A I□□
Trans □ □ame□
T□□F □□A I□□
Trans □ame□
T□□F Alt □□A I□□
T□□F Alt □ame□
□ aste Code □escription□
RCRA Code□
Meth Code□
□uantity Tons□
□ aste □uantity□
□uantity Unit□
Additional Code □□
Additional Code □□
Additional Code □□
Additional Code □□
Additional Code □□

□hipment □ate□
Creation □ate□
Receipt □ate□
Manifest I□□
Trans □□A I□□
Trans □ame□
Trans □ □□A I□□
Trans □ □ame□
T□□F □□A I□□
Trans □ame□
T□□F Alt □□A I□□
T□□F Alt □ame□
□ aste Code □escription□
RCRA Code□
Meth Code□
□uantity Tons□
□ aste □uantity□
□uantity Unit□
Additional Code □□
Additional Code □□
Additional Code □□
Additional Code □□
Additional Code □□

□hipment □ate□
Creation □ate□
Receipt □ate□
Manifest I□□
Trans □□A I□□
Trans □ame□
Trans □ □□A I□□
Trans □ □ame□
T□□F □□A I□□

□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
F□□□
H□□ □Transfer □tation
□.□
□□□
□
□ot reported
□ot reported
□ot reported
□ot reported
□ot reported
□AF□T□□□□□□□ □□□T□M□ I□C
CAT□□□□□□□□□□
□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
F□□□
H□□ □Transfer □tation
□.□□
□□□
□
□ot reported
□ot reported
□ot reported
□ot reported
□ot reported
□AF□T□□□□□□□ □□□T□M□ I□C
CAT□□□□□□□□□□
□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
F□□□
H□□ □Transfer □tation
□.□□
□□□
□
□ot reported
□ot reported
□ot reported
□ot reported
□ot reported
□AF□T□□□□□□□ □□□T□M□ I□C
CAT□□□□□□□□□□

MILLERS CLEANERS (Continued) **1000594774**

Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□

MILLERS CLEANERS (Continued) **1000594774**

Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	
Trans A I	T R
Trans ame	AF T T M I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CAT
Trans ame	AF T T M I C
T F Alt A I	CAT
T F Alt ame	ot reported
aste Code escription	i uids with halogenated organic compounds mg
RCRA Code	F
Meth Code	R Recycler
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported

Additional Info

ear	
en A I	CA
hipment ate	
Creation ate	
Receipt ate	
Manifest I	
Trans A I	I
Trans ame	ot reported
Trans A I	ot reported
Trans ame	ot reported
T F A I	CAT
Trans ame	ot reported
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	i uids with halogenated organic compounds mg
RCRA Code	F
Meth Code	H Transfer tation
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported
Additional Code	ot reported

MILLERS CLEANERS (Continued) **1000594774**

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ I□□ □□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□□
Trans □ame□ □ot reported
T□□F Alt □□A I□□ □ot reported
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
RCRA Code□ F□□□
Meth Code□ H□□ □Transfer □tation
□uantity Tons□ □.□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ I□□ □□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□□
Trans □ame□ □ot reported
T□□F Alt □□A I□□ CAT□□□□□□□□□□
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
RCRA Code□ F□□□
Meth Code□ H□□ □Transfer □tation
□uantity Tons□ □.□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ I□□ □□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□□

MILLERS CLEANERS (Continued) **1000594774**

Trans □ame□ □ot reported
T□□F Alt □□A I□□ CAT□□□□□□□□□□
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
RCRA Code□ F□□□
Meth Code□ H□□ □Transfer □tation
□uantity Tons□ □.□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ I□□ □□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□□
Trans □ame□ □ot reported
T□□F Alt □□A I□□ □ot reported
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
RCRA Code□ F□□□
Meth Code□ H□□ □Transfer □tation
□uantity Tons□ □.□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

Additional Info□
□ear□ □□□□
□en □□A I□□ CA□ □□□□□□□□□□

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ I□□ □□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□□
Trans □ame□ □ot reported
T□□F Alt □□A I□□ □ot reported
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
RCRA Code□ F□□□

MILLERS CLEANERS (Continued) **1000594774**

Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	I□□ □□□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	I□□ □□□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

MILLERS CLEANERS (Continued) **1000594774**

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ I□□ □□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□
Trans □ame□ □ot reported
T□□F Alt □□A I□□ CAT□□□□□□□□□
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
RCRA Code□ F□□□
Meth Code□ H□□ □Transfer □tation
□uantity Tons□ □.□□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ I□□ □□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□
Trans □ame□ □ot reported
T□□F Alt □□A I□□ □ot reported
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
RCRA Code□ F□□□
Meth Code□ H□□ □Transfer □tation
□uantity Tons□ □.□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

Additional Info□
□ear□ □□□□
□en □□A I□□ CA□□□□□□□□□□

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□□□□□
Trans □□A I□□ T□R□□□□□□□□□

MILLERS CLEANERS (Continued) **1000594774**

Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ ff □ite□□□ o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ ff □ite□□□ o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported

MILLERS CLEANERS (Continued) **1000594774**

aste Code escription	i uids with halogenated organic compounds mg
RCRA Code	F
Meth Code	H torage, ulking, And r Transfer ff ite o
	Treatment Reovery H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	
Additional Code	
Additional Code	
Additional Code	
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	
Trans A I	T R
Trans ame	AF T T M I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CAT
Trans ame	AF T T M I C
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	i uids with halogenated organic compounds mg
RCRA Code	F
Meth Code	H torage, ulking, And r Transfer ff ite o
	Treatment Reovery H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	
Additional Code	
Additional Code	
Additional Code	
Additional Code	ot reported

Additional Info

ear	
en A I	CA
hipment ate	
Creation ate	
Receipt ate	
Manifest I	F
Trans A I	T R
Trans ame	AF T T M I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CAT
Trans ame	AF T T M I C
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	i uids with halogenated organic compounds mg
RCRA Code	F
Meth Code	H torage, ulking, And r Transfer ff ite o

MILLERS CLEANERS (Continued) **1000594774**

Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□

□uantity Tons□	□.□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	□□ot reported
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□□□□□□□□□□□

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□ o

Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□

□uantity Tons□	□.□
□ aste □uantity□	□□□
□uantity Unit□	□

MILLERS CLEANERS (Continued) **1000594774**

Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
RCRA Code□	F□□□
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□ o Treatment□Recovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□ot reported
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□□□□□□□□□□□
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	□CR□□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

MILLERS CLEANERS (Continued) **1000594774**

Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	□CR□□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□□□□□□□□□□
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□
Trans □ame□	□AF□T□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□□ □□□□□□□□□□
Trans □ □ame□	MAUM□□ □□□R□□□ I□C
T□□F □□A I□□	□□□□□□□□□□□□
Trans □ame□	C□□A□ HAR□□R□ □□□IR□□M□□TA□ □□R□IC□□ I□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□□ □Incineration□□Thermal □estruction □ther Than Use As A Fuel
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□

MILLERS CLEANERS (Continued) **1000594774**

Manifest I□□	□□□□□□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	A□R□□□□□□□□□□
Trans □ □ame□	□□T
T□□F □□A I□□	□□□□□□□□□□□□
Trans □ame□	C□□A□ HAR□□R□ □□□IR□□M□□TA□ □□R□IC□□ I□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
RCRA Code□	F□□□
Meth Code□	H□□□ □Incineration□□Thermal □estruction □ther Than Use As A Fuel
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□ot reported
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□□□□□□□□□□
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
RCRA Code□	F□□□
Meth Code□	H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o Treatment□Recovery □H□□□□H□□□□□r □H□□□□H□□□□
□uantity Tons□	□.□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□□□□□□□□□□
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□

MILLERS CLEANERS (Continued) **1000594774**

Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□□ □□□□□□□□□□
Trans □ □ame□	MAUM□□ □□□R□□□ I□C
T□□F □□A I□□	□□□□□□□□□□□□
Trans □ame□	C□□A□ HAR□□R□ □□□IR□□M□□TA□ □□R□IC□□ I□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□□ □Incineration□□Thermal □estruction □ther Than Use As A Fuel
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	A□R□□□□□□□□□
Trans □ □ame□	□□T
T□□F □□A I□□	□□□□□□□□□□□□
Trans □ame□	C□□A□ HAR□□R□ □□□IR□□M□□TA□ □□R□IC□□ I□
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□□ □Incineration□□Thermal □estruction □ther Than Use As A Fuel
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□ot reported
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□□□□□□□□□□

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported

MILLERS CLEANERS (Continued) **1000594774**

Trans Code Name: Not reported
TSD EPA ID: CAD
Trans Name: CASH AND CARRY MI
TSD Alt EPA ID: Not reported
TSD Alt Name: Not reported
Waste Code Description: Liquids with halogenated organic compounds mg/l
RCRA Code: F
Meth Code: H Storage, Bulking, And Or Transfer Off Site Prior to Treatment Recovery H or H or H
Quantity Tons: .
Waste Quantity:
Quantity Unit:
Additional Code: Not reported
Additional Code: Not reported
Additional Code: Not reported
Additional Code: Not reported
Additional Code: Not reported

Additional Info:
Year:
Gen EPA ID:

Shipment Date:
Creation Date:
Receipt Date:
Manifest ID:
Trans EPA ID:
Trans Name: Not reported
Trans EPA ID: Not reported
Trans Name: Not reported
TSD EPA ID: CAT
Trans Name: Not reported
TSD Alt EPA ID: Not reported
TSD Alt Name: Not reported
Waste Code Description: Liquids with halogenated organic compounds mg/l
RCRA Code: F
Meth Code: H Transfer Station
Quantity Tons: .
Waste Quantity:
Quantity Unit:
Additional Code: Not reported
Additional Code: Not reported
Additional Code: Not reported
Additional Code: Not reported
Additional Code: Not reported

Additional Info:
Year:
Gen EPA ID:

Shipment Date:
Creation Date:
Receipt Date:
Manifest ID:
Trans EPA ID:
Trans Name: AFT

MILLERS CLEANERS (Continued) **1000594774**

Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□□ □□torage, □ulking, And□□ r Transfer □ff □ite□□□ o Treatment□Reovery □H□□□□H□□□□□ r □H□□□□H□□□□
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□□□□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□
Trans □ame□	□AF□T□ □□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□ □□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	□□ot reported
□uantity Tons□	□.□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□
Trans □ame□	□AF□T□ □□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□ □□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□ot reported
RCRA Code□	□ot reported

MILLERS CLEANERS (Continued) **1000594774**

Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□ot reported
□ aste □uantity□	□ot reported
□uantity Unit□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□□
Trans □ame□	□AF□T□ □□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□ □□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□□
Trans □ame□	□AF□T□ □□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□AF□T□ □□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□ot reported
RCRA Code□	□ot reported
Meth Code□	□□ot reported
□uantity Tons□	□ot reported
□ aste □uantity□	□ot reported
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

MILLERS CLEANERS (Continued) **1000594774**

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□
Trans □ame□	□AF□T□□□□□□□ □□□T□M□ I□C
T□□F Alt □□A I□□	CAT□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□ □□□□□□□□□

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	□CR□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	□CR□□□□□□□□□

MILLERS CLEANERS (Continued) **1000594774**

Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	□CR□□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□CR□□□□□□□□□□
Trans □ □ame□	□ot reported
T□□F □□A I□□	□H□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	□□□□Invalid Code
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	□CR□□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□

MILLERS CLEANERS (Continued) **1000594774**

Meth Code: H20 Transfer Station
Quantity Tons: 0.000
Waste Quantity: 000
Quantity Unit: P
Additional Code 01: Not reported
Additional Code 02: Not reported
Additional Code 03: Not reported
Additional Code 04: Not reported
Additional Code 05: Not reported

Additional Info:
Year: 2009
Gen EPA ID: CA0000000000

Shipment Date: 00000000
Creation Date: 00000000 00000000
Receipt Date: 00000000
Manifest ID: 000000000
Trans EPA ID: ID0000000000
Trans Name: Not reported
Trans Addr EPA ID: Not reported
Trans Addr Name: Not reported
TSDF EPA ID: CAT000000000
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 000 00 Liquids with halogenated organic compounds > 0000 mg/l
RCRA Code: F000
Meth Code: H20 Transfer Station
Quantity Tons: 0.000
Waste Quantity: 000
Quantity Unit: P
Additional Code 01: Not reported
Additional Code 02: Not reported
Additional Code 03: Not reported
Additional Code 04: Not reported
Additional Code 05: Not reported

Shipment Date: 00000000
Creation Date: 00000000 00000000
Receipt Date: 00000000
Manifest ID: 000000000
Trans EPA ID: ID0000000000
Trans Name: Not reported
Trans Addr EPA ID: Not reported
Trans Addr Name: Not reported
TSDF EPA ID: CAT000000000
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 000 00 Liquids with halogenated organic compounds > 0000 mg/l
RCRA Code: F000
Meth Code: H20 Transfer Station
Quantity Tons: 0.000
Waste Quantity: 000
Quantity Unit: P
Additional Code 01: Not reported

MILLERS CLEANERS (Continued) **1000594774**

Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	I□□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	I□□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□ □□□□□□□□□□

MILLERS CLEANERS (Continued) **1000594774**

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ I□□ □□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□□
Trans □ame□ □ot reported
T□□F Alt □□A I□□ □ot reported
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□ F□□□
Meth Code□ H□□ □Transfer □tation
□uantity Tons□ □.□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ I□□ □□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□□
Trans □ame□ □ot reported
T□□F Alt □□A I□□ □ot reported
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□ot reported
RCRA Code□ □ot reported
Meth Code□ H□□ □Transfer □tation
□uantity Tons□ □.□□□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ I□□ □□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□□

MILLERS CLEANERS (Continued) **1000594774**

Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	I□□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	I□□ □□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□l
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□□□
□ aste □uantity□	□□□
□uantity Unit□	□

MILLERS CLEANERS (Continued) **1000594774**

Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

Additional Info□

□ear□	□□□□
□en □□A I□□	CA□□□□□□□□□□□
□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□ □□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	T□R□□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CAT□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	CAT□□□□□□□□□□
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□	F□□□
Meth Code□	H□□ □Transfer □tation
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

MILLERS CLEANERS (Continued) **1000594774**

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ T□R□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□
Trans □ame□ □ot reported
T□□F Alt □□A I□□ CAT□□□□□□□□□
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□ F□□□
Meth Code□ H□□ □Transfer □tation
□uantity Tons□ □.□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ T□R□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□
Trans □ame□ □ot reported
T□□F Alt □□A I□□ CAT□□□□□□□□□
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □□i□uids with halogenated organic compounds □ □□□□ mg□
RCRA Code□ F□□□
Meth Code□ H□□ □Transfer □tation
□uantity Tons□ □.□
□ aste □uantity□ □□□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

Additional Info□
□ear□ □□□□
□en □□A I□□ CA□□□□□□□□□□

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□□□□□
Trans □□A I□□ T□R□□□□□□□□□

MILLERS CLEANERS (Continued) **1000594774**

Trans ame	AF T T M I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CAT
Trans ame	AF T T M I C
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	i uids with halogenated organic compounds mg
RCRA Code	F
Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	
Additional Code	
Additional Code	
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	
Trans A I	T R
Trans ame	AF T T M I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CAT
Trans ame	AF T T M I C
T F Alt A I	ot reported
T F Alt ame	ot reported
aste Code escription	i uids with halogenated organic compounds mg
RCRA Code	F
Meth Code	H torage, ulking, And r Transfer ff ite o Treatment Reovery H H r H H
uantity Tons	.
aste uantity	
uantity Unit	
Additional Code	
Additional Code	
Additional Code	
Additional Code	ot reported
Additional Code	ot reported
hipment ate	
Creation ate	
Receipt ate	
Manifest I	
Trans A I	T R
Trans ame	AF T T M I C
Trans A I	ot reported
Trans ame	ot reported
T F A I	CAT
Trans ame	AF T T M I C
T F Alt A I	ot reported
T F Alt ame	ot reported

MILLERS CLEANERS (Continued) **1000594774**

aste Code escription ot reported
RCRA Code ot reported
Meth Code H torage, ulking, And r Transfer ff ite o
Treatment Reovery H H r H H
uantity Tons ot reported
aste uantity ot reported
uantity Unit ot reported
Additional Code ot reported
Additional Code ot reported
Additional Code ot reported
Additional Code ot reported
Additional Code ot reported

hipment ate
Creation ate
Receipt ate
Manifest I
Trans A I T R
Trans ame AF T T M I C
Trans A I ot reported
Trans ame ot reported
T F A I CAT
Trans ame AF T T M I C
T F Alt A I ot reported
T F Alt ame ot reported
aste Code escription i uids with halogenated organic compounds mg
RCRA Code F
Meth Code H torage, ulking, And r Transfer ff ite o
Treatment Reovery H H r H H
uantity Tons .
aste uantity
uantity Unit
Additional Code
Additional Code
Additional Code
Additional Code ot reported
Additional Code ot reported

H T
ame MI R C A R
Address R CRA A
Address ot reported
City, tate, ip A , CA
A I CA
Inactive ate
Create ate
ast Act ate
Mailing ame ot reported
Mailing Address R CRA A
Mailing Address ot reported
Mailing City, tate, ip A , CA
wner ame A ICIA A
wner Address R CRA A
wner Address ot reported
wner City, tate, ip A , CA
Contact ame A ICIA
Contact Address R CRA A

MILLERS CLEANERS (Continued) **1000594774**

Contact Address □□ □ot reported
City,□tate,□ip□ □□□ A□□□□□□, CA □□□□□

□AIC□□
□□A I□□ CA□□□□□□□□□□□
Create □ate□ □□□□□□□□□□ □□□□□□□□
□AIC□ Code□ □□□□□
□AIC□ □escription□ □rycleaning and □aundry □ervices □e□cept Coin□□perated□
Issued □□A I□ □ate□ □□□□□□□□□□ □□□□□□□□
Inactive □ate□ □□□□□□□□□□ □□□□□□□□
Facility □ame□ MI□□□R□ C□□A□□R□
Facility Address□ □□□□ □ R□□□CRA□□ A□□
Facility Address □□ □ot reported
Facility City□ □□□ A□□□□□□
Facility County□ □□
Facility □tate□ CA
Facility □ip□ □□□□□□□□□

□□A I□□ CA□□□□□□□□□□□
Create □ate□ □□□□□□□□□□ □□□□□□□□
□AIC□ Code□ □□□□□□
□AIC□ □escription□ □rycleaning and □aundry □ervices □e□cept Coin□□perated□
Issued □□A I□ □ate□ □□□□□□□□□□ □□□□□□□□
Inactive □ate□ □□□□□□□□□□ □□□□□□□□
Facility □ame□ MI□□□R□ C□□A□□R□
Facility Address□ □□□□ □ R□□□CRA□□ A□□
Facility Address □□ □ot reported
Facility City□ □□□ A□□□□□□
Facility County□ □□
Facility □tate□ CA
Facility □ip□ □□□□□□□□□

G51 **TOM MALLOY CORP DBA TRENCH SHORING COMPANY** **RCRA NonGen / NLR** **1025868967**
West **707 E ROSECRANS AVE** **CAL000393605**
1/8-1/4 **LOS ANGELES, CA 90059**
0.184 mi.
973 ft. **Site 6 of 8 in cluster G**

Relative: RCRA □on□en □□R□
Higher □ate form received □y agency□□□□□□□□□□□□ □□□□□□□□.□
Actual: Facility name□ T□M MA□□□□ C□R□ □□A TR□□CH □H□RI□□ C□M□A□□
119 ft. Facility address□ □□□□ R□□□CRA□□ A□□
□□□ A□□□□□□, CA □□□□□□□□□□
□□A I□□ CA□□□□□□□□□□□
Mailing address□ □□□□ C□□TRA□ A□□
C□M□T□□, CA □□□□□
Contact□ RIC□ □□ □□
Contact address□ □□□□ R□□□CRA□□ A□□
□□□ A□□□□□□, CA □□□□□□□□□□
Contact country□ □ot reported
Contact telephone□ □□□□□□□□□□
Contact email□ RIC□□□ TR□□CH□H□RI□□.C□M
□□A Region□ □□
Classification□ □on□□enerator
□escription□ Handler□□on□□enerators do not presently generate ha□ardous waste

TOM MALLOY CORP DBA TRENCH SHORING COMPANY (Continued) **1025868967**

□wner□□ perator □ummary□

□wner□operator name□	T□M MA□□□□ C□R□ □□A TR□□CH □H□RI□□
□wner□operator address□	□□□□ C□□TRA□ A□□ C□M□T□□, CA □□□□□□
□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□□□
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□ther
□wner□□ perator Type□	□wner
□wner□□ p start date□	□ot reported
□wner□□ p end date□	□ot reported

□wner□operator name□	RIC□ □□ □□
□wner□operator address□	□□□□ R□□□CRA□□ A□□ □□□ A□□□□□□, CA □□□□□□
□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□□□
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□ther
□wner□□ perator Type□	□perator
□wner□□ p start date□	□ot reported
□wner□□ p end date□	□ot reported

Handler Activities □ummary□

U.□. importer of ha□ardous waste□	□o
Mi□ed waste □ha□. and radioactive□□	□o
Recycler of ha□ardous waste□	□o
Transporter of ha□ardous waste□	□o
Treater, storer or disposer of H□ □	□o
Underground in□ection activity□	□o
□n□site □urner e□emption□	□o
Furnace e□emption□	□o
Used oil fuel □urner□	□o
Used oil processor□	□o
User oil refiner□	□o
Used oil fuel marketer to □urner□	□o
Used oil □pecification marketer□	□o
Used oil transfer facility□	□o
Used oil transporter□	□o

□iolation □tatus□ □o violations found

G52 **CHIEF NEON SIGN CO** **RCRA-SQG** **1000202212**
West **707 E ROSECRANS AVE** **CERS HAZ WASTE** **CAD981641020**
1/8-1/4 **LOS ANGELES, CA 90059** **FINDS**
0.184 mi. **ECHO**
973 ft. **Site 7 of 8 in cluster G** **EMI**
HAZNET
Relative: **HAZMAT**
Higher **CERS**
Actual: **HWTS**
119 ft.

RCRA□□□□□

□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□.□

CHIEF NEON SIGN CO (Continued) **1000202212**

Facility name	CHI F I C
Facility address	R CRA A A , CA
A I	CA
Contact	IR M TA MA A R
Contact address	R CRA A A , CA
Contact country	U
Contact telephone	
Contact email	ot reported
A Region	
Classification	mall mall uantity enerator
escription	Handler generates more than and less than kg of ha ardous waste during any calendar month and accumulates less than kg of ha ardous waste at any time or generates kg or less of ha ardous waste during any calendar month, and accumulates more than kg of ha ardous waste at any time

wner perator ummary

wner operator name	A F I AU
wner operator address	T R UIR T R UIR , M
wner operator country	ot reported
wner operator telephone	
wner operator email	ot reported
wner operator fa	ot reported
wner operator e tension	ot reported
egal status	rivate
wner perator Type	wner
wner p start date	ot reported
wner p end date	ot reported

wner operator name	T R UIR
wner operator address	T R UIR T R UIR , M
wner operator country	ot reported
wner operator telephone	
wner operator email	ot reported
wner operator fa	ot reported
wner operator e tension	ot reported
egal status	rivate
wner perator Type	perator
wner p start date	ot reported
wner p end date	ot reported

Handler Activities ummary

U. . importer of ha ardous waste	o
Mi ed waste ha . and radioactive	o
Recycler of ha ardous waste	o
Transporter of ha ardous waste	o
Treater, storer or disposer of H	o
Underground in ection activity	o
n site urner e emption	o
Furnace e emption	o
Used oil fuel urner	o
Used oil processor	o

CHIEF NEON SIGN CO (Continued) **1000202212**

User oil refiner□ □o
Used oil fuel marketer to □urner□ □o
Used oil □pecification marketer□ □o
Used oil transfer facility□ □o
Used oil transporter□ □o

□iolation □tatus□ □o violations found

C□R□ HA□ □ A□T□□
□ame□ TR□□CH □H□ RI□□
Address□ □□□ □ R□□□CRA□□ A□□
City,□tate,□ip□ □□ □ A□□□□□□, CA □□□□□
□ite I□□ □□□□□□□
C□R□ I□□ □□□□□□□□□
C□R□ □escription□ Ha□ardous □ aste □enerator

FI□□□□
Registry I□□ □□□□□□□□□□□□□

Click Here□

□nvironmental Interest□Information □ystem□
AIR □MI□□I□□□ C□A□□IFICATI□□ U□□□□□ □
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 ha□ardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities re□uired under RCRA.
□TAT□ MA□T□R
Registry I□□ □□□□□□□□□□□□□

Click Here□

□nvironmental Interest□Information □ystem□
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 ha□ardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities re□uired under RCRA.

Click this hyperlink while viewing on your computer to access additional FI□□□□detail in the □□R □ite Report.

□CH□□
□nvid□ □□□□□□□□□□
Registry I□□ □□□□□□□□□□□□□
□FR UR□□ http□□□echo.epa.gov□detailed□facility□report□fid□□□□□□□□□□□□□□
□ame□ CHI□F □□□□ □I□□ C□ I□C
Address□ □□□ □ R□□□CRA□□ A□□
City,□tate,□ip□ □□ □ A□□□□□□, CA □□□□□

□MI□
□ame□ CHI□F □□□□ □I□□ C□ I□C
Address□ □□□ □ R□□□CRA□□ A□
City,□tate,□ip□ □□ □ A□□□□□□, CA □□□□□□□□□
□ear□ □□□□

CHIEF NEON SIGN CO (Continued) **1000202212**

County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□
Reactive □rganic □ases Tons□□r□	□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

□ame□	CHI□F □□□□ □I□□ C□ I□C
Address□	□□□ □ R□ □□CRA□□ A□□
City,□tate,□ip□	□□ □ A□□□□□□, CA □□□□□□□□□□
□ear□	□□□□
County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	.□□□
Reactive □rganic □ases Tons□□r□	.□□□□□□□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	.□□□
□art. Matter □□ Micrometers and □mllr Tons□□r□.□□□□□	

HA□□□T□

□ame□	CHI□F □□□□ □I□□ C□
Address□	□□□ □ R□ □□CRA□□ A□□
Address □□	□ot reported
City,□tate,□ip□	□□ □ A□□ □□□□, CA □□□□□□□□□□
Contact□	I□ACTI□AT□ □□R F□□ F□RM □□□□
Telephone□	□□
Mailing □ame□	□ot reported
Mailing Address□	□□□ □ R□ □□CRA□□ A□□

□ear□	□□□□
□epaid□	CA□ □□□□□□□□□□
T□□ □□A I□□	CA□ □□□□□□□□□□
CA □aste Code□	□□□ □□ther organic solids
□isposal Method□	R□□ □Recycler
Tons□	□.□□

□ear□	□□□□
□epaid□	CA□ □□□□□□□□□□
T□□ □□A I□□	CA□ □□□□□□□□□□
CA □aste Code□	□□□ □□aint sludge

CHIEF NEON SIGN CO (Continued) **1000202212**

□isposal Method□ R□□ □Recycler
Tons□ □.□□□□

□ear□ □□□□
□epaid□ CA□ □□□□□□□□□□
T□□ □□A I□□ □ □□ □□□□□□□□□□
CA □ aste Code□ □□□ □Unspecified solvent mi□ture
□isposal Method□ □
Tons□ □.□

□ear□ □□□□
□epaid□ CA□ □□□□□□□□□□
T□□ □□A I□□ CA□ □□□□□□□□□□
CA □ aste Code□ □□□ □Unspecified solvent mi□ture
□isposal Method□ R□□ □Recycler
Tons□ □.□

□ear□ □□□□
□epaid□ CA□ □□□□□□□□□□
T□□ □□A I□□ CA□ □□□□□□□□□□
CA □ aste Code□ □□□ □□ □ygenated solvents □acetone, □utanol, ethyl acetate, etc.□
□isposal Method□ R□□ □Recycler
Tons□ □.□

□ear□ □□□□
□epaid□ CA□ □□□□□□□□□□
T□□ □□A I□□ CA□ □□□□□□□□□□
CA □ aste Code□ □□□ □Unspecified solvent mi□ture
□isposal Method□ R□□ □Recycler
Tons□ □.□□□□

□ear□ □□□□
□epaid□ CA□ □□□□□□□□□□
T□□ □□A I□□ CA□ □□□□□□□□□□
CA □ aste Code□ □□□ □Unspecified solvent mi□ture
□isposal Method□ U□□ □
Tons□ □.□□□□

□ear□ □□□□
□epaid□ CA□ □□□□□□□□□□
T□□ □□A I□□ CA□ □□□□□□□□□□
CA □ aste Code□ □□□ □Unspecified solvent mi□ture
□isposal Method□ R□□ □Recycler
Tons□ □.□□□□

Additional Info□
□ear□ □□□□
□en □□A I□□ CA□ □□□□□□□□□□

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ CA□ □□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported

CHIEF NEON SIGN CO (Continued) **1000202212**

Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□aint sludge
RCRA Code□	□□□□
Meth Code□	R□□ □Recycler
□uantity Tons□	□.□□□□
□ aste □uantity□	□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□hipment □ate□	□□□□□□□□
Creation □ate□	□□□□□□□□□□□□ □□□□□□□□
Receipt □ate□	□□□□□□□□
Manifest I□□	□□□□□□□□
Trans □□A I□□	CA□□□□□□□□□□□
Trans □ame□	□ot reported
Trans □ □□A I□□	□ot reported
Trans □ □ame□	□ot reported
T□□F □□A I□□	CA□□□□□□□□□□□
Trans □ame□	□ot reported
T□□F Alt □□A I□□	□ot reported
T□□F Alt □ame□	□ot reported
□ aste Code □escription□	□□□ □□ther organic solids
RCRA Code□	□□□□
Meth Code□	R□□ □Recycler
□uantity Tons□	□.□□
□ aste □uantity□	□□□
□uantity Unit□	□
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported
Additional Code □□	□ot reported

□□ □ A□□□□□□ HM□

□ame□	CHI□F □□□□ □I□□□
Address□	□□□ □ R□ □□CRA□□ A□□
City,□tate,□ip□	□□ □ A□ □□□□□, CA □□□□□
Facility I□□	FA□□□□□□□
□ast Run □ate□	□□□□□□□□□□
□tatus□	I□ACTI□□

C□R□□

□ame□	TR□□CH □H□ RI□□
Address□	□□□ □ R□ □□CRA□□ A□□
City,□tate,□ip□	□□ □ A□ □□□□□, CA □□□□□
□ite I□□	□□□□□□□
C□R□ I□□	□□□□□□□□
C□R□ □escription□	Chemical □torage Facilities

CHIEF NEON SIGN CO (Continued) **1000202212**

□iolations□

□ite I□□ □□□□□□□
□ite □ame□ Trench □horing
□iolation □ate□ □□□□□□□□□□□
Citation□ H□C □.□□ Multiple □California Health and □afety Code, Chapter □.□□, □ection□s□Multiple
□iolation □escription□ Ha□□ aste □enerator □rogram □□ perations□Maintenance □□eneral
□iolation □otes□ FAI□□□ T□ □R□□□R□□ □A□□□ A□□ □M□T□ H□ □HM C□□TAI□□R□ □ ITH R□□UIR□□ I□F□RMATI□□.
□iolation □ivision□ □os Angeles County Fire □epartment
□iolation □rogram□ H□
□iolation □ource□ C□R□

□ite I□□ □□□□□□□
□ite □ame□ Trench □horing
□iolation □ate□ □□□□□□□□□□□
Citation□ H□C □.□□ □□□□□.□ □California Health and □afety Code, Chapter □.□□, □ection□s□□□□□.□
□iolation □escription□ Failure to o□tain and□or maintain an active ha□ardous waste generator permit.
□iolation □otes□ □□ CU□A □□RMIT I□ A□AI□A□□□. A HM HA□□□□R A□□ H□ □□□□RAT□R □□RMIT I□ R□□UIR□□.
□iolation □ivision□ □os Angeles County Fire □epartment
□iolation □rogram□ H□
□iolation □ource□ C□R□

□ite I□□ □□□□□□□
□ite □ame□ Trench □horing
□iolation □ate□ □□□□□□□□□□□
Citation□ □□ CCR □□ □□□□□.□□□f□□California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□.□□□f□
□iolation □escription□ Failure to properly la□el ha□ardous waste accumulation containers with the following re□uirements□□Ha□ardous □ aste□ name and address of the generator, physical and chemical characteristics of the Ha□ardous □ aste, and starting accumulation date.
□iolation □otes□ FAI□□□ T□ □R□□□R□□ □A□□□ A□□ H□ □ ITH R□□UIR□□ I□F□RMATI□□.
□iolation □ivision□ □os Angeles County Fire □epartment
□iolation □rogram□ H□
□iolation □ource□ C□R□

□ite I□□ □□□□□□□
□ite □ame□ Trench □horing
□iolation □ate□ □□□□□□□□□□□
Citation□ □□ CCR □□ □□□□□.□□ □California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□.□□
□iolation □escription□ Failure to o□tain and□or maintain an Active □□A I□.
□iolation □otes□ FAI□□□ T□ □□TAI□ □□A I□ □UM□□R
□iolation □ivision□ □os Angeles County Fire □epartment
□iolation □rogram□ H□
□iolation □ource□ C□R□

□ite I□□ □□□□□□□
□ite □ame□ Trench □horing
□iolation □ate□ □□□□□□□□□□□
Citation□ H□C □.□□ □□□□□.□□a□□California Health and □afety Code, Chapter □.□□, □ection□s□□□□□.□□a□
□iolation □escription□ □wner□□perator failed to esta□lish and implement a Ha□ardous Materials

CHIEF NEON SIGN CO (Continued) **1000202212**

□usiness □lan when storing ha□ardous materials at or a□ove the thresholds □uantities of □□ gallons□□□□ l□s□□□□ cu□ic feet.

□iolation □otes□ □□□RAT□R FAI□□□ T□ □□TA□□I□H A□□ IM□□□M□□T HM□□ □ H□□ □T□RI□□ HM A□□□□ THR□□H□ □□.

□iolation □ivision□ □os Angeles County Fire □epartment

□iolation □rogram□ HMRR□

□iolation □ource□ C□R□

□valuation□

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□
□iolations Found□ □o
□val Type□ Routine done □y local agency
□val □otes□ Ramon □ro□co, □hop Foreman
□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ HMRR□
□val □ource□ C□R□

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□
□iolations Found□ □o
□val Type□ Routine done □y local agency
□val □otes□ □ot reported
□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ HMRR□
□val □ource□ C□R□

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□
□iolations Found□ □o
□val Type□ Routine done □y local agency
□val □otes□ Ramon □ro□co, □hop Foreman
□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ H□
□val □ource□ C□R□

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□
□iolations Found□ □es
□val Type□ Routine done □y local agency
□val □otes□ I□□□□CT□□ □□ M. C□R□A□T□□ C□□□□□T □I□□□ □□ RAM□□
□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ HMRR□
□val □ource□ C□R□

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□
□iolations Found□ □o
□val Type□ Routine done □y local agency
□val □otes□ □ot reported
□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ H□
□val □ource□ C□R□

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□
□iolations Found□ □es

CHIEF NEON SIGN CO (Continued) **1000202212**

□val Type□	Routine done □y local agency
□val □otes□	I□□□□CT□□ □□ M. C□R□A□T□□ C□□□□□T □I□□□ □□ RAM□□
□val □ivision□	□os Angeles County Fire □epartment
□val □rogram□	H□
□val □ource□	C□R□

□nforcement Action□

□ite I□□	□□□□□□□
□ite □ame□	Trench □horing
□ite Address□	□□□ □ R□ □□CRA□□ A□□
□ite City□	□□ □ A□□□□□□
□ite □ip□	□□□□□
□nf Action □ate□	□□□□□□□□□□
□nf Action Type□	□otice of □iolation □Unified □rogram□
□nf Action □escription□	□otice of □iolation Issued □y the Inspector at the Time of Inspection
□nf Action □otes□	□ot reported
□nf Action □ivision□	□os Angeles County Fire □epartment
□nf Action □rogram□	HMRR□
□nf Action □ource□	C□R□

□ite I□□	□□□□□□□
□ite □ame□	Trench □horing
□ite Address□	□□□ □ R□ □□CRA□□ A□□
□ite City□	□□ □ A□□□□□□
□ite □ip□	□□□□□
□nf Action □ate□	□□□□□□□□□□
□nf Action Type□	□otice of □iolation □Unified □rogram□
□nf Action □escription□	□otice of □iolation Issued □y the Inspector at the Time of Inspection
□nf Action □otes□	□ot reported
□nf Action □ivision□	□os Angeles County Fire □epartment
□nf Action □rogram□	H□
□nf Action □ource□	C□R□

Coordinates□

□ite I□□	□□□□□□□
Facility □ame□	Trench □horing
□nv Int Type Code□	H□ □
□rogram I□□	□□□□□□□□□
Coord □ame□	□ot reported
Ref □oint Type □esc□	Center of a facility or station.
□atitude□	□□.□□□□□□□
□ongitude□	□□□□.□□□□□□□

Affiliation□

Affiliation Type □esc□	CU□A □istrict
□ntity □ame□	□os Angeles County Fire
□ntity Title□	□ot reported
Affiliation Address□	□□□□ Ricken□acker Road
Affiliation City□	Commerce
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□

Affiliation Type □esc□	□ocument □reparer
□ntity □ame□	□anielle □ illis

CHIEF NEON SIGN CO (Continued) **1000202212**

□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported
Affiliation Type □esc□	□nvironmental Contact
□ntity □ame□	□anielle □ illis
□ntity Title□	□ot reported
Affiliation Address□	□□□ □. Central Ave
Affiliation City□	Compton
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□
Affiliation □hone□	□ot reported
Affiliation Type □esc□	Facility Mailing Address
□ntity □ame□	Mailing Address
□ntity Title□	□ot reported
Affiliation Address□	□□□ □ Central Ave
Affiliation City□	Compton
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□
Affiliation □hone□	□ot reported
Affiliation Type □esc□	□egal □wner
□ntity □ame□	Tom Malloy Corp.
□ntity Title□	□ot reported
Affiliation Address□	□□□ □. Central Ave
Affiliation City□	Compton
Affiliation □tate□	CA
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	□perator
□ntity □ame□	Tom Malloy Corp. □□A Trench □horing Company
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	□roperty □wner
□ntity □ame□	Malloy Family □artners
□ntity Title□	□ot reported
Affiliation Address□	□□□ □ Central Ave.
Affiliation City□	Compton
Affiliation □tate□	CA
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□

CHIEF NEON SIGN CO (Continued) **1000202212**

Affiliation Type □esc□	Identification □igner
□ntity □ame□	□anielle □ illis
□ntity Title□	□H□ Coordinator
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

Affiliation Type □esc□	□arent Corporation
□ntity □ame□	TR□□CH □H□ RI□□
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

□ame□	CHI□F □□□□ □I□□ C□ I□C
Address□	□□□ □ R□□□CRA□□ A□□
City,□tate,□ip□	□□ □ A□□□□□□, CA □□□□□
□ite I□□	□□□□□□□
C□R□ I□□	□□□□□□□□□□□□□□
C□R□ □escription□	U□ □□A Air □mission Inventory □ystem □□I□□

Affiliation□

Affiliation Type □esc□	□nvironmental Contact
□ntity □ame□	□□□IR M□ MT
□ntity Title□	□ot reported
Affiliation Address□	□□□ □ R□□□CRA□□ A□□
Affiliation City□	□□ □A□□□□□□
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

Affiliation Type □esc□	□nvironmental Contact
□ntity □ame□	□□□I□ MA□□□ □
□ntity Title□	□ot reported
Affiliation Address□	□□□ □ R□□□CRA□□ A□□
Affiliation City□	□□ □A□□□□□□
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

Affiliation Type □esc□	□roperty □wner
□ntity □ame□	MA□□□ □ FM□□ □ART□□R□
□ntity Title□	□ot reported
Affiliation Address□	□□□ □ R□□□CRA□□ A□□
Affiliation City□	□□ □A□□□□□□
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

CHIEF NEON SIGN CO (Continued) **1000202212**

H□ T□□

□ame□	CHI□F □□□□ □I□□ C□
Address□	□□□ □ R□ □□CRA□□ A□□
Address □□	□ot reported
City,□tate,□ip□	□□ □ A□ □□□□□, CA □□□□□□□□□□
□□A I□□	CA□□□□□□□□□□
Inactive □ate□	□□□□□□□□□□
Create □ate□	□□□□□□□□□□
□ast Act □ate□	□□□□□□□□□□
Mailing □ame□	□ot reported
Mailing Address□	□□□ □ R□ □□CRA□□ A□□
Mailing Address □□	□ot reported
Mailing City,□tate,□ip□	□□ □ A□ □□□□□, CA □□□□□□□□□□
□wner □ame□	□□
□wner Address□	□□
□wner Address □□	□ot reported
□wner City,□tate,□ip□	□□, □□ □□
Contact □ame□	I□ACTI□AT□ □□R F□□ F□RM □□□□
Contact Address□	□□
Contact Address □□	□ot reported
City,□tate,□ip□	□□, □□ □□

G53 **FORSTER OIL COMPANY** **AST A100420088**
West **635 W ROSECRANS AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90061**
0.186 mi.
984 ft. **Site 8 of 8 in cluster G**

Relative:
Higher

Actual:
119 ft.

A□T□

□ame□	F□ R□T□R □I□ C□M□A□□
Address□	□□□ □ R□ □□CRA□□ A□□
City□□ip□	□□ □ A□ □□□□□,□□□□□
Certified Unified □rogram Agencies□	□ot reported
□wner□	F□ R□T□R, □□□A□□ R H
Total □allons□	□ot reported
C□R□I□□	□□□□□□□□
Facility I□□	□ot reported
□usiness □ame□	F□ R□T□R □I□ C□M□A□□
□hone□	□□□□□□□□□□□□□□
Fa□□	□ot reported
Mailing Address□	□□□□ □□□ARI□□ A□
Mailing Address City□	□A□ □□□R□
Mailing Address □tate□	CA
Mailing Address □ip Code□	□□□□□
□perator □ame□	□ot reported
□perator □hone□	□ot reported
□wner □hone□	□ot reported
□wner Mail Address□	□ot reported
□wner □tate□	□ot reported
□wner □ip Code□	□ot reported
□wner Country□	United □tates
□roperty □wner □ame□	□ot reported
□roperty □wner □hone□	□ot reported
□roperty □wner Mailing Address□	□ot reported
□roperty □wner City□	□ot reported
□roperty □wner □tat □	□ot reported
□roperty □wner □ip Code□	□ot reported

FORSTER OIL COMPANY (Continued) **A100420088**

□roperty □wner Country□	□ot reported
□□AI□□	□ot reported
□ame□	F□ R□T□R □I□ C□ M□A□□
Address□	□□□ □ R□ □□CRA□□ A□□
City□□ip□	□AR□□□A,□□□□□
Certified Unified □rogram Agencies□	□ot reported
□wner□	□leanor Forster
Total □allons□	□ot reported
C□R□I□□	□□□□□□□□□
Facility I□□	□ot reported
□usiness □ame□	Forster □il Company
□hone□	□□□.□□□.□□□□
Fa□□	□□
Mailing Address□	□□□□ □pearing Avenue
Mailing Address City□	□an □edro
Mailing Address □tate□	CA
Mailing Address □ip Code□	□□□□□
□perator □ame□	□leanor Forster
□perator □hone□	□□□.□□□.□□□□
□wner □hone□	□□□.□□□.□□□□
□wner Mail Address□	□□□□ □pearing Avenue
□wner □tate□	CA
□wner □ip Code□	□□□□□
□wner Country□	United □tates
□roperty □wner □ame□	□leanor Forster □Forster □il Company□
□roperty □wner □hone□	□□□.□□□.□□□□
□roperty □wner Mailing Address□	□□□□ □pearing Avenue
□roperty □wner City□	□an □edro
□roperty □wner □tat □	CA
□roperty □wner □ip Code□	□□□□□
□roperty □wner Country□	United □tates
□□AI□□	□ot reported

54
SSE
1/8-1/4
0.192 mi.
1013 ft.

DARLENE FRANKLIN
14629 SOUTH CAIRIN AVENUE
COMPTON, CA 90220

RCRA NonGen / NLR **1024744536**
CAC002963913

Relative:
Lower

Actual:
107 ft.

RCRA □on□en □□□R□

□ate form received □y agency□□□□□□□□□□□ □□□□□□□□□.□	
Facility name□	□AR□□□□ FRA□□□I□
Facility address□	□□□□□ □□UTH CAIRI□ A□□□U□ C□M□T□□, CA □□□□□
□□A I□□	CAC□□□□□□□□□
Contact□	□AR□□□□ FRA□□□I□
Contact address□	□□□□□ □□UTH CAIRI□ A□□□U□ C□M□T□□, CA □□□□□
Contact country□	□ot reported
Contact telephone□	□□□□□□□□□□□□
Contact email□	RUTH□AMA□□□ A□□IA□C□□□IR□.C□M
□□A Region□	□□
Classification□	□on□□ enerator
□escription□	Handler□□on□□ enerators do not presently generate ha□ardous waste

□wner□□ perator □ummary□

DARLENE FRANKLIN (Continued) **1024744536**

□wner□operator name□	□AR□□□□ FRA□□□I□
□wner□operator address□	□□□□□ □□UTH CAIRI□ A□□□U□ C□M□T□□, CA □□□□□
□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□ther
□wner□□perator Type□	□wner
□wner□□p start date□	□ot reported
□wner□□p end date□	□ot reported

□wner□operator name□	□AR□□□□ FRA□□□I□
□wner□operator address□	□□□□□ □□UTH CAIRI□ A□□□U□ C□M□T□□, CA □□□□□
□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□ther
□wner□□perator Type□	□perator
□wner□□p start date□	□ot reported
□wner□□p end date□	□ot reported

Handler Activities □ummary□

U.□. importer of ha□ardous waste□	□o
Mi□ed waste □ha□. and radioactive□□	□o
Recycler of ha□ardous waste□	□o
Transporter of ha□ardous waste□	□o
Treater, storer or disposer of H□ □	□o
Underground in□ection activity□	□o
□n□site □urner e□emption□	□o
Furnace e□emption□	□o
Used oil fuel □urner□	□o
Used oil processor□	□o
User oil refiner□	□o
Used oil fuel marketer to □urner□	□o
Used oil □pecification marketer□	□o
Used oil transfer facility□	□o
Used oil transporter□	□o

□iolation □tatus□ □o violations found

I55 **UNIFORM RENTAL SERVICES** **ENVIROSTOR** **S106797587**
NNW **730 E. 139TH ST.** **N/A**
1/8-1/4 **COMPTON, CA 90222**
0.217 mi.
1145 ft. **Site 1 of 3 in cluster I**

Relative: □□□IR□□T□R□
Higher

□ame□	U□IF□RM R□□TA□ □□R□IC□□
Address□	□□□ □. □□□TH □T.
City,□tate,□ip□	C□M□T□□, CA □□□□□
Facility I□□	□□□□□□□□□
□tatus□	Refer□□□□□ □ocal Agency
□tatus □ate□	□□□□□□□□□□

Actual:
115 ft.

UNIFORM RENTAL SERVICES (Continued) **S106797587**

□ite Code□	□ot reported
□ite Type□	□valuation
□ite Type □etailed□	□valuation
Acres□	□ot reported
□□□□	□□
Regulatory Agencies□	□□□□ □□□CIFI□□
□ead Agency□	□□□□ □□□CIFI□□
□rogram Manager□	□ot reported
□upervisor□	Referred □□ot Assigned
□ivision □ranch□	Cleanup Cypress
Assem□ly□	□□
□enate□	□□
□pecial □rogram□	□ot reported
Restricted Use□	□□
□ite Mgmt Re□□	□□□□ □□□CIFI□□
Funding□	□ot Applica□le
□atitude□	□□.□□□□□□
□ongitude□	□□□□.□□□□
A□□□	□□□□ □□□CIFI□□
□ast Use□	□□□□ □□□CIFI□□
□otential C□ C□	□□□□ □□□CIFI□□
Confirmed C□ C□	□□□□ □□□CIFI□□
□otential □escription□	□□□□ □□□CIFI□□
Alias □ame□	□□□□□□□□□
Alias Type□	□nvirostor I□ □um□er

Completed Info□

Completed Area □ame□	□ot reported
Completed □u□ Area □ame□	□ot reported
Completed □ocument Type□	□ot reported
Completed □ate□	□ot reported
Comments□	□ot reported

Future Area □ame□	□ot reported
Future □u□ Area □ame□	□ot reported
Future □ocument Type□	□ot reported
Future □ue □ate□	□ot reported
□chedule Area □ame□	□ot reported
□chedule □u□ Area □ame□	□ot reported
□chedule □ocument Type□	□ot reported
□chedule □ue □ate□	□ot reported
□chedule Revised □ate□	□ot reported

I56 **UNIFORM RENTAL SERVICES, INC.** **CPS-SLIC** **S105254726**
NNW **730 139TH** **LA Co. Site Mitigation** **N/A**
1/8-1/4 **COMPTON, CA 90222** **CERS**
0.217 mi.
1145 ft. **Site 2 of 3 in cluster I**

Relative: □□IC R□□ □□
Higher

Region□	□
Facility □tatus□	□ite Assessment
□□IC□	□□□□
□u□stance□	□C□
□taff□	AC□

Actual:
115 ft.

C□□□□□IC□
□ame□ U□IF□RM R□□TA□ □□R□IC□□, I□C

UNIFORM RENTAL SERVICES, INC. (Continued) **S105254726**

Address	TH T.
City,tate,ip	C M T , CA
Region	TAT
Facility Status:	**Open - Assessment & Interim Remedial Action**
tatus ate	
lo al Id	
ead Agency	A R C R I
ead Agency Case um er	ot reported
atitude	
ongitude	
Case Type	Cleanup rogram ite
Case orker	
ocal Agency	ot reported
R Case um er	
File ocation	Regional oard
otential Media Affected	Indoor Air, A uifer used for drinking water supply, oil, oil apor
otential Contaminants of Concern	ther Chlorinated Hydrocar ons, Tetrachloroethylene C, Trichloroethylene TC
ite History	Historic investigations of the su ect site ite indicate that the ite was developed in and was occupied y a ceramic lamp manufacturer etween and . Ain air conditioning manufacturer occupied the ite etween and . Uniform Rental ervice operated an industrial laundry at the ite from to . According to information provided to the Regional oard, the uilding on ite was destroyed y a fire in anuary and an unknown num er a oveground polyehylene tanks containing tetrachloroethene C melted during the fire. u surface investigation at the ite indicates that soil, soil vapor, and groundwater have een impacted y releases at the ite. Investigation to determine the lateral and vertical limits of impacted groundwater is currently underway, and soil vapor e traction continues to operate.

Click here to access the California eoTracker records for this facility

A Co. ite Mitigation

ame	U IF RM R TA R IC I C.
Address	TH T
City,tate,ip	C M T , CA
Facility I	FA
tatus	ot reported
ite I	
urisdiction	County
Case I	R
A ated	es
Assigned To	im Clark
ntered ate	
A ated ate	

C R

ame	U IF RM R TA R IC , I C
Address	TH T.
City,tate,ip	C M T , CA
ite I	
C R I	
C R escription	Cleanup rogram ite

UNIFORM RENTAL SERVICES, INC. (Continued) **S105254726**

Affiliation
Affiliation Type Desc: Regional Board Caseworker
Entity Name: CA IID UNKNOWN ADDRESS RB 8 CASE
Entity Title: Not reported
Affiliation Address: 3737 MAIN ST., SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

I57 **UNIFORM RENTAL SERVICE INC** **HIST UST** **U001562180**
NNW **730 EAST 139TH STREET** **N/A**
1/8-1/4 **LOS ANGELES, CA 90059**
0.217 mi.
1146 ft. **Site 3 of 3 in cluster I**

Relative: HIST UST
Higher
Name: UNIFORM RENTAL SERVICE INC
Actual: Address: 730 EAST 139TH STREET
115 ft. City,State,Zip: LOS ANGELES, CA 90059
File Number: 300000000
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/300000000.pdf
Region: STATE
Facility ID: 300000000000
Facility Type: Other
Other Type: UNIFORM RENTAL
Contact Name: MAMIE RAMM, M.
Telephone: 0000000000
Owner Name: UNIFORM RENTAL SERVICE, INC
Owner Address: 730 EAST 139TH STREET
Owner City,St,Zip: LOS ANGELES, CA 90059
Total Tanks: 0000

Tank Num: 000
Container Num: 0
Year Installed: 0000
Tank Capacity: 000000000
Tank Used for: EMPTY
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual, Groundwater Monitoring Well

Click here for Geo Tracker URL

58
ENE
1/8-1/4
0.220 mi.
1162 ft.

ATKINSON PIT II - RECLAIMED
1601 N. CENTRAL AVENUE
, CA

MINES **S117661008**
N/A

Relative:
Lower

Actual:
109 ft.

MI□□□□

□ame□	AT□I□□□□ □IT II □R□C□AIM□□
Address□	□□□□ □. C□□TRA□ A□□□U□
City,□tate,□ip□	CA
□atitude□	□□.□□□□□□
□ongitude□	□□□□.□□□□□□
□ead Agency identification code□	□□
□ead Agency name□	□tate Mining □ □eology □oard
□ear of the operator supplied annual report□	□□□□
Type of report su□mitted □y operator□	□
□um□er of acres distur□ed □y the mine□	□
□tatus of mining operation□	R□C□AIM□□
□tatus of mine reclamation□	R□C□AMATI□□ C□RTIFI□□ C□M□□T□ □□ □□A□ A□□□C□
Mine operator□	AT□I□□□□ □RIC□ C□M□A□□
□perator Address□	□□□□ □. C□□TRA□ A□□□U□
□perator City, □tate, □ip□	C□M□T□□, CA □□□□□
□perator County□	□ot reported
Mine owner□	AT□I□□□□ □□T□R□RI□□□
□wner Address□	□□□□□ CH□MICA□ □A□□
□wner City, □tate, □ip□	HU□TI□□T□□ □□ACH, CA □□□□□
□wner County□	□ot reported
Reclamation plan identification num□er□	□ot reported
□rimary product produced □y the mine□	C□A□
□ther products produced □y the mine□	□ot reported
Type of mining utili□ed □y mine□	□□□□ □IT
Conditional use permit identification num□er□	□□□□
□um□er of acres permitted for mining distur□ance□	□
Total amount of funds posted □y the mine for reclamation□	□ot reported
Financial Assurance Cost □stimate for reclamation□	□ot reported

---

J59
West
1/8-1/4
0.234 mi.
1233 ft.

THRIFTY OIL CO #130
600 E ROSECRANS AVE
LOS ANGELES, CA 90059

Site 1 of 8 in cluster J

CERS HAZ WASTE **S113165721**
CERS TANKS **N/A**
HAZNET
CERS
HWTS

Relative:
Higher

Actual:
119 ft.

C□R□ HA□ □ A□T□□

□ame□	T□□□R□ □□□□□□□ A□ □□□□□□□□□
Address□	□□□ □ R□□□CRA□□ A□□
City,□tate,□ip□	□□ □ A□□□□□□, CA □□□□□
□ite I□□	□□□□□
C□R□ I□□	□□□□□□□□
C□R□ □escription□	Ha□ardous □ aste □enerator

C□R□ TA□□□□

□ame□	T□□□R□ □□□□□□□ A□ □□□□□□□□□
Address□	□□□ □ R□□□CRA□□ A□□
City,□tate,□ip□	□□ □ A□□□□□□, CA □□□□□
□ite I□□	□□□□□
C□R□ I□□	□□□□□□□□
C□R□ □escription□	Underground □torage Tank

THRIFTY OIL CO #130 (Continued) **S113165721**

HA□□□T□
□ame□ THRIFT□ □I□ C□ □□□□
Address□ □□□ □ R□ □□CRA□□ A□□
Address □□ □ot reported
City,□tate,□ip□ □□ □ A□□ □□□□, CA □□□□□□□□□□
Contact□ □□
Telephone□ □□

Mailing □ame□ □ot reported
Mailing Address□ □□□□□ □A□□□ □ □□ □□□□

□ear□ □□□□
□epaid□ CA□□□□□□□□□□
T□□ □□A I□□ CAT□□□□□□□□□□
CA □ aste Code□ □□□ □A□ueous solution with total organic residues less than □□ percent
□isposal Method□ R□□ □Recycler
Tons□ □.□□□

Additional Info□
□ear□ □□□□
□en □□A I□□ CA□□□□□□□□□□

□hipment □ate□ □□□□□□□□
Creation □ate□ □□□□□□□□ □□□□□□□□
Receipt □ate□ □□□□□□□□
Manifest I□□ □□□□□□□□
Trans □□A I□□ CA□□□□□□□□□□
Trans □ame□ □ot reported
Trans □ □□A I□□ □ot reported
Trans □ □ame□ □ot reported
T□□F □□A I□□ CAT□□□□□□□□□□
Trans □ame□ □ot reported
T□□F Alt □□A I□□ □ot reported
T□□F Alt □ame□ □ot reported
□ aste Code □escription□ □□□ □A□ueous solution with □□□□ total organic residues
RCRA Code□ □ot reported
Meth Code□ R□□ □Recycler
□uantity Tons□ □.□□□
□ aste □uantity□ □□
□uantity Unit□ □
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported
Additional Code □□ □ot reported

C□R□□
□ame□ T□□□ R□ □□□□□□□ A□ □□□□□□□□
Address□ □□□ □ R□ □□CRA□□ A□□
City,□tate,□ip□ □□ □ A□□ □□□□, CA □□□□□
□ite I□□ □□□□□
C□R□ I□□ □□□□□□□□
C□R□ □escription□ Chemical □torage Facilities

□iolations□

THRIFTY OIL CO #130 (Continued) **S113165721**

□ite I□□ □□□□□□
□ite □ame□ T□□□ R□ □□□□□□□ A□ □□□□□□□□□
□iolation □ate□ □□□□□□□□□□□
Citation□ H□C □.□ □□□□□□a□□California Health and □afety Code, Chapter □.□, □ection□s□□□□□□□a□
□iolation □escription□ Failure to su□mit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
□iolation □otes□ Returned to compliance on □□□□□□□□□□.
□iolation □ivision□ □os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□ U□T
□iolation □ource□ C□R□

□ite I□□ □□□□□□
□ite □ame□ T□□□ R□ □□□□□□□ A□ □□□□□□□□□
□iolation □ate□ □□□□□□□□□□□
Citation□ □□ CCR □□ □□□□□d□□California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□d□
□iolation □escription□ Failure to su□mit the □ Monitoring □ystem Certification Form□ to the U□A within □□ days of completion of the test.
□iolation □otes□ Returned to compliance on □□□□□□□□□□. MI□□I□□ T□□T R□□U□T□ FR□M □□. □□□□□ □□R□□ A□□□□□□ □□ AT□ R□□AIR. □U□MIT T□□T C□RTIFICATI□□ R□□U□T□ FR□M R□□AIR □ □R□ □□□ T□CH A. □A□A□C□TH□MA□□.
□iolation □ivision□ □os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□ U□T
□iolation □ource□ C□R□

□ite I□□ □□□□□□
□ite □ame□ T□□□ R□ □□□□□□□ A□ □□□□□□□□□
□iolation □ate□ □□□□□□□□□□□
Citation□ H□C □.□ □□□□□□, □□□□□□ □California Health and □afety Code, Chapter □.□, □ection□s□□□□□□, □□□□□□
□iolation □escription□ Failure to su□mit a complete and accurate application for a permit to operate a U□T, or for renewal of the permit.
□iolation □otes□ Returned to compliance on □□□□□□□□□□. C□R□ C□RR□CTI□□□ R□□UIR□□ T□ TH□ TA□□ I□F□ □A□□□,□□F□ □□RF□RM□□ AFTR□□A□□I□□ C□RR□CT A□□ □U□MIT T□ C□R□ □U□MIT □□F□
□iolation □ivision□ □os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□ U□T
□iolation □ource□ C□R□

□ite I□□ □□□□□□
□ite □ame□ T□□□ R□ □□□□□□□ A□ □□□□□□□□□
□iolation □ate□ □□□□□□□□□□□
Citation□ □□ CCR □□ □□□□□ □California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□
□iolation □escription□ Failure to comply with any of the applica□le re□uirements of the permit issued for the operation of the U□T system.
□iolation □otes□ Returned to compliance on □□□□□□□□□□. C□R□ C□RR□CTI□□□ R□□UIR□□ T□ TH□ TA□□ I□F□ □A□□□,□□F□ □□RF□RM□□ AFTR□□A□□I□□ C□RR□CT A□□ □U□MIT T□ C□R□ □U□MIT □□F□
□iolation □ivision□ □os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□ U□T
□iolation □ource□ C□R□

□ite I□□ □□□□□□
□ite □ame□ T□□□ R□ □□□□□□□ A□ □□□□□□□□□
□iolation □ate□ □□□□□□□□□□□

THRIFTY OIL CO #130 (Continued) **S113165721**

Citation□	H□C □.□ □□□□□ □California Health and □afety Code, Chapter □.□, □ection□$□□□□□
□iolation □escription□	Failure to comply with temporary closure re□uirements.
□iolation □otes□	Returned to compliance on □□□□□□□□□□.
□iolation □ivision□	□os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□	U□T
□iolation □ource□	C□R□
□ite I□□	□□□□□
□ite □ame□	T□□□ R□ □□□□□□ A□ □□□□□□□□
□iolation □ate□	□□□□□□□□□□
Citation□	□□ CCR □□ □□□□□□□□□□□□ □□California Code of Regulations, Title □□, Chapter □□, □ection□$□□□□□□□□□□□□ □
□iolation □escription□	Failure to comply with one or more of the following overfill prevention e□uipment re□uirements□Alert the transfer operator when the tank is □□ percent full □y restricting the flow into the tank or triggering an audi□le and visual alarm□or Restrict delivery of flow to the tank at least □□ minutes □efore the tank overfills, provided the restriction occurs when the tank is filled to no more than □□ percent of capacity□and activate an audi□le alarm at least five minutes □efore the tank overfills□or □rovide positive shut□off of flow to the tank when the tank is filled to no more than □□ percent of capacity□or □rovide positive shut□off of flow to the tank so that none of the fittings located on the top of the tank are e□posed to product due to overfilling. Install□retrofit overfill prevention e□uipment that does not use flow restrictors on vent piping to meet overfill prevention e□uipment re□uirements when the overfill prevention e□uipment is installed, repaired, or replaced on and after □cto□er □,□□□□. For U□Ts installed □efore □cto□er □, □□□□, perform an inspection □y □cto□er □□, □□□□ and every □□ months thereafter. For U□Ts installed on and after □cto□er□□,□□□□, perform an inspection at installation and every □□ months thereafter. Inspected within □□ days after a repair to the overfill prevention e□uipment. Inspected using an applica□le manufacturer guidelines, industry codes, engineering standards, or a method approved □y a professional engineer. Inspected □y a certified U□T service technician. Maintain records of overfill prevention e□uipment inspection for □□ months.
□iolation □otes□	Returned to compliance on □□□□□□□□□□. C□R□ C□RR□CTI□ □□ R□□UIR□□ T□ TH□ TA□□ I□F□ □A□□□,□□F□ □□RF□RM□□ AFTR□□A□□I□□ C□RR□CT A□□ □U□MIT T□ C□R□ □U□MIT □□F□
□iolation □ivision□	□os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□	U□T
□iolation □ource□	C□R□
□ite I□□	□□□□□
□ite □ame□	T□□□ R□ □□□□□□ A□ □□□□□□□□
□iolation □ate□	□□□□□□□□□□
Citation□	□□ CCR □□ □□□□ □California Code of Regulations, Title □□, Chapter □□, □ection□$□□□□
□iolation □escription□	Failure to comply with any of the applica□le re□uirements of the permit issued for the operation of the U□T system.
□iolation □otes□	Returned to compliance on □□□□□□□□□□.
□iolation □ivision□	□os Angeles County □epartment of □u□lic □ orks
□iolation □rogram□	U□T
□iolation □ource□	C□R□

THRIFTY OIL CO #130 (Continued) **S113165721**

□valuation□

□val □eneral Type□	Compliance □valuation Inspection
□val □ate□	□□□□□□□□□□□□
□iolations Found□	□o
□val Type□	Routine done □y local agency
□val □otes□	□rnesto □avarret
□val □ivision□	□os Angeles County Fire □epartment
□val □rogram□	HMRR□
□val □ource□	C□R□
□val □eneral Type□	Compliance □valuation Inspection
□val □ate□	□□□□□□□□□□□□
□iolations Found□	□o
□val Type□	Routine done □y local agency
□val □otes□	□rnesto □avarret
□val □ivision□	□os Angeles County Fire □epartment
□val □rogram□	H□
□val □ource□	C□R□
□val □eneral Type□	Compliance □valuation Inspection
□val □ate□	□□□□□□□□□□□□
□iolations Found□	□o
□val Type□	Routine done □y local agency
□val □otes□	□□C□ □U□MITT□□□□A□□□□□R T□□□□□R□A□□□□□□□□M□□□U□C□□□□□,□□ FI□□ □M□ □□□□□□□□□□□□

THRIFTY OIL CO #130 (Continued) **S113165721**

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□□
□iolations Found□ □o
□val Type□ Routine done □y local agency
□val □otes□ □R T□□□□□□□R C□RT □□□□□□□, □□□□□ □□□□□□□ □ □□□□□□□. □□M FI□□ □UM□ □ □□□□□,
A□□ □TH□R□ □□□□. □□□□ A□□, U□C □ □□□□□ □□□□□□R□. □□ AM□R□□, □□□T □□□ □□□□.
□val □ivision□ □os Angeles County □epartment of □u□lic □ orks
□val □rogram□ U□T
□val □ource□ C□R□

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□□
□iolations Found□ □o
□val Type□ Routine done □y local agency
□val □otes□ T□□TI□□ U□ T□ □AT□, □□□□□R□ I□ C□RR□CT □□□ITI□□, □UM□□ □R□ □□C□□T □□
FI□□ □I□H□□ □UM□, □I□UI□ R□M□□□□ □ I□□□, □□□□ R□C□R□□ □ TRAI□I□□ CH□□
□val □ivision□ □os Angeles County □epartment of □u□lic □ orks
□val □rogram□ U□T
□val □ource□ C□R□

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□□
□iolations Found□ □es
□val Type□ Routine done □y local agency
□val □otes□ T□□ □□□R,□□□ A□□,□□□ □UM□ □□C□T □□M FI□□ □□□,□□□□ □□M□□□,□□□T TRA□□I
TI□□ □UM□□□□C C□RR□CTI□□ T□ TA□□ I□F□ □A□□□ R□□UIR□□
□val □ivision□ □os Angeles County □epartment of □u□lic □ orks
□val □rogram□ U□T
□val □ource□ C□R□

□val □eneral Type□ □ther□Unknown
□val □ate□ □□□□□□□□□□□□
□iolations Found□ □es
□val Type□ □ther, not routine, done □y local agency
□val □otes□ □□TIC□ I□□U□□ F□R T□M□□RAR□ C□□ □UR□ A□□ I□□□□TI□ATI□□ □F □□ A□□ □□
□I□H□□ TA□□□.
□val □ivision□ □os Angeles County □epartment of □u□lic □ orks
□val □rogram□ U□T
□val □ource□ C□R□

□val □eneral Type□ □ther□Unknown
□val □ate□ □□□□□□□□□□□□
□iolations Found□ □es
□val Type□ □ther, not routine, done □y local agency
□val □otes□ □□TIC□ I□□U□□ F□R □ □R□ □□RF□RM□□ □□ C□□TRACT□R□□□R□□□□□ ITH□UT □□RMI
T.□□□MA□□ A□ I□□TA□□□□ □□ □□R□□□ □□□□□□□
□val □ivision□ □os Angeles County □epartment of □u□lic □ orks
□val □rogram□ U□T
□val □ource□ C□R□

□val □eneral Type□ □ther□Unknown
□val □ate□ □□□□□□□□□□□□
□iolations Found□ □es
□val Type□ □ther, not routine, done □y local agency
□val □otes□ □ot reported
□val □ivision□ □os Angeles County □epartment of □u□lic □ orks
□val □rogram□ U□T

THRIFTY OIL CO #130 (Continued) **S113165721**

□val □ource□ C□R□

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□□
□iolations Found□ □o
□val Type□ Routine done □y local agency
□val □otes□ Angel □ovel, Manager
□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ H□
□val □ource□ C□R□

Coordinates□
□ite I□□ □□□□□□
Facility □ame□ T□□□R□ □□□□□□□□ A□ □□□□□□□□□□
□nv Int Type Code□ H□ □
□rogram I□□ □□□□□□□□□
Coord □ame□ □ot reported
Ref □oint Type □esc□ Center of a facility or station.
□atitude□ □□.□□□□□□□
□ongitude□ □□□□.□□□□□□□

Affiliation□
Affiliation Type □esc□ CU□A □istrict
□ntity □ame□ □os Angeles County Fire
□ntity Title□ □ot reported
Affiliation Address□ □□□□ Ricken□acker Road
Affiliation City□ Commerce
Affiliation □tate□ CA
Affiliation Country□ □ot reported
Affiliation □ip□ □□□□□□□□□□
Affiliation □hone□ □□□□□□□□□□□□□□

Affiliation Type □esc□ □ocument □reparer
□ntity □ame□ □□□□HIR□ □□□IR□□M□□TA□ □□R□IC□□, I□C.
□ntity Title□ □ot reported
Affiliation Address□ □ot reported
Affiliation City□ □ot reported
Affiliation □tate□ □ot reported
Affiliation Country□ □ot reported
Affiliation □ip□ □ot reported
Affiliation □hone□ □ot reported

Affiliation Type □esc□ Identification □igner
□ntity □ame□ T□R□□A MI□□□
□ntity Title□ □□□IR□□M□□TA□ C□M□□IA□C□ □U□□R□I□□R
Affiliation Address□ □ot reported
Affiliation City□ □ot reported
Affiliation □tate□ □ot reported
Affiliation Country□ □ot reported
Affiliation □ip□ □ot reported
Affiliation □hone□ □ot reported

Affiliation Type □esc□ U□T Tank □perator
□ntity □ame□ □A□ MA□A□□M□□T □T□R□□, I□C.
□ntity Title□ □ot reported
Affiliation Address□ □□□ □ R□ □□CRA□□ A□□

THRIFTY OIL CO #130 (Continued) **S113165721**

Affiliation City□	□□ A□□□□□□
Affiliation □tate□	CA
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	U□T Tank □wner
□ntity □ame□	Thrifty □il Co.
□ntity Title□	□ot reported
Affiliation Address□	□□□□□ IM□□RIA□ HI□ H□ A□
Affiliation City□	□A□TA F□ □□RI□□□
Affiliation □tate□	CA
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	□egal □wner
□ntity □ame□	Tesoro Refining □ Marketing Company □□C
□ntity Title□	□ot reported
Affiliation Address□	□□□□□ RI□□□□ □□□ □□□ □, M□□T□□□□□□
Affiliation City□	□A□ A□T□□I□
Affiliation □tate□	T□
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	Facility Mailing Address
□ntity □ame□	Mailing Address
□ntity Title□	□ot reported
Affiliation Address□	□□□□□ RI□□□□ □□□ □□□ □, M□□T□□□□□□
Affiliation City□	□A□ A□T□□I□
Affiliation □tate□	T□
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□
Affiliation □hone□	□ot reported
Affiliation Type □esc□	□arent Corporation
□ntity □ame□	Tesoro Refining and Marketing Company □□C
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported
Affiliation Type □esc□	U□T □ermit Applicant
□ntity □ame□	□UR□□ □. A□□□□□A
□ntity Title□	□□□IR□□M□□TA□ C□M□□IA□C□ □U□□R□I□□R
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	U□T □roperty □wner □ame

THRIFTY OIL CO #130 (Continued) **S113165721**

□ntity □ame□	Thrifty □il Co.
□ntity Title□	□ot reported
Affiliation Address□	□□□□□ IM□□RIA□ HI□ H□ A□
Affiliation City□	□A□TA F□ □□RI□□□
Affiliation □tate□	CA
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	□nvironmental Contact
□ntity □ame□	□UR□□ A□□□□□A
□ntity Title□	□ot reported
Affiliation Address□	□□□ □. □C□A□ □□□□., □T□ □□□□
Affiliation City□	□□ □□ □□ACH
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□
Affiliation □hone□	□ot reported
Affiliation Type □esc□	□perator
□ntity □ame□	Tesoro Refining □ Marketing Company □□C
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	□roperty □wner
□ntity □ame□	Thrifty □il Co.
□ntity Title□	□ot reported
Affiliation Address□	□□□□□ IM□□RIA□ HI□ H□ A□
Affiliation City□	□A□TA F□ □□RI□□□
Affiliation □tate□	CA
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□

H□ T□□

□ame□	THRIFT□ □I□ C□ □□□□
Address□	□□□ □ R□ □□CRA□□ A□□
Address □□	□ot reported
City,□tate,□ip□	□□ □ A□□ □□□□, CA □□□□□□□□□□
□□A I□□	CA□□□□□□□□□□□
Inactive □ate□	□□□□□□□□□□
Create □ate□	□□□□□□□□□□
□ast Act □ate□	□□□□□□□□□□
Mailing □ame□	□ot reported
Mailing Address□	□□□□□ □A□□ □□□ □□□□
Mailing Address □□	□ot reported
Mailing City,□tate,□ip□	□□□ □□□, CA □□□□□□□□□□
□wner □ame□	THRIFT□ □I□ C□
□wner Address□	□□□□□ □A□□ □□□ □□□□
□wner Address □□	□ot reported
□wner City,□tate,□ip□	□□□ □□□, CA □□□□□□□□□□

THRIFTY OIL CO #130 (Continued) **S113165721**

Contact Name:
Contact Address:
Contact Address 2:
City, State, Zip:

J60 **TESORO USA 63130** **RCRA NonGen / NLR** **1024833614**
West **600 E ROSECRANS AVE** **CAL000373114**
1/8-1/4 **LOS ANGELES, CA 90059**
0.234 mi.
1233 ft. **Site 2 of 8 in cluster J**

Relative: **Higher**

Actual: **119 ft.**

RCRA Non-Gen NLR

Date form received by agency:
Facility name:
Facility address:
EPA ID:
Mailing address:
Contact:
Contact address:
Contact country:
Contact telephone:
Contact email:
EPA Region:
Classification:
Description:

Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:
Owner/operator address:
Owner/operator country:
Owner/operator telephone:
Owner/operator email:
Owner/operator fax:
Owner/operator extension:
Legal status:
Owner/Operator Type:
Owner/Op start date:
Owner/Op end date:

Owner/operator name:
Owner/operator address:
Owner/operator country:
Owner/operator telephone:
Owner/operator email:
Owner/operator fax:
Owner/operator extension:
Legal status:
Owner/Operator Type:
Owner/Op start date:
Owner/Op end date:

TESORO USA 63130 (Continued) **1024833614**

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

J61 **ARCO STN 130** **HIST UST** **U001562165**
West **600 E ROSECRANS** **N/A**
1/8-1/4 **LOS ANGELES, CA 90059**
0.234 mi.
1233 ft. **Site 3 of 8 in cluster J**

Relative: HIST UST
Higher

Actual: **119 ft.**

Name:	ARCO #[illegible]
Address:	[illegible] R[illegible]CRA[illegible]
City,State,Zip:	[illegible] A[illegible], CA [illegible]
File Number:	[illegible]CC
URL:	http[illegible]geotracker.waterboards.ca.gov[illegible]pdf[illegible]CC.pdf
Region:	STATE
Facility ID:	[illegible]
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	[illegible]
Owner Name:	THRIFTY OIL CO.
Owner Address:	[illegible] BA[illegible] [illegible].
Owner City,St,Zip:	[illegible], CA [illegible]
Total Tanks:	[illegible]
Tank Num:	[illegible]
Container Num:	[illegible]
Year Installed:	[illegible]
Tank Capacity:	[illegible]
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	[illegible]
Leak Detection:	Stock Inventor
Tank Num:	[illegible]
Container Num:	[illegible]
Year Installed:	Not reported
Tank Capacity:	[illegible]
Tank Used for:	PRODUCT
Type of Fuel:	U[illegible]A[illegible]
Container Construction Thickness:	[illegible]

ARCO STN 130 (Continued) **U001562165**

Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 00003
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 000
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 00004
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 000
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF

J62 **CIRCLE K #7889/THRIFTY OI** **HIST CORTESE** **S105024676**
West **600 ROSECRANS** **N/A**
1/8-1/4 **LOS ANGELES, CA 90059**
0.234 mi.
1233 ft. **Site 4 of 8 in cluster J**

Relative: HIST CORTESE
Higher
edr Fname: CIRC 0 THRIFTY OI
Actual: edr Fadd: 600 ROSECRANS
119 ft. City,State,Zip: LOS ANGELES, CA 90059
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R0000000

J63 **THRIFTY OIL COMPANY - TESORO USA 63130 REMOVAL ACT** **RCRA NonGen / NLR** **1025501912**
West **600 EAST ROSECRANS AVENUE** **CAP000200180**
1/8-1/4 **LOS ANGELES, CA 90059**
0.234 mi.
1233 ft. **Site 5 of 8 in cluster J**

Relative: RCRA NonGen / NLR
Higher
Date form received by agency: 00/00/0000
Actual: Facility name: THRIFTY OIL CO MANAGER TERRI U/A
119 ft. Facility address: 600 EAST ROSECRANS AVENUE
LOS ANGELES, CA 90059
EPA ID: CA0000000000
Mailing address: IMPERIAL HWY
LA HABRA, CA 90000
Contact: BARRY MATHART
Contact address: TRACY RD
LA FERRIS, CA 00000
Contact country: US
Contact telephone: 0000000000

THRIFTY OIL COMPANY - TESORO USA 63130 REMOVAL ACTION (Continued) **1025501912**

Contact email□	□ARR□□ □□□□HIR□.C□M
□□A Region□	□□
Classification□	□on□□ enerator
□escription□	Handler□□ on□□ enerators do not presently generate ha□ardous waste

□wner□□ perator □ummary□

□wner□operator name□	THRIFT□ □I□C□
□wner□operator address□	IM□□RIA□H□ □ □A□TA F□ □□RI□□□, CA □□□□□
□wner□operator country□	U□
□wner□operator telephone□	□ot reported
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□rivate
□wner□□ perator Type□	□wner
□wner□□ p start date□	□ot reported
□wner□□ p end date□	□ot reported

Handler Activities □ummary□

U.□. importer of ha□ardous waste□	□o
Mi□ed waste □ha□. and radioactive□□	□o
Recycler of ha□ardous waste□	□o
Transporter of ha□ardous waste□	□o
Treater, storer or disposer of H□ □	□o
Underground in□ection activity□	□o
□n□site □urner e□emption□	□o
Furnace e□emption□	□o
Used oil fuel □urner□	□o
Used oil processor□	□o
User oil refiner□	□o
Used oil fuel marketer to □urner□	□o
Used oil □pecification marketer□	□o
Used oil transfer facility□	□o
Used oil transporter□	□o

Historical □enerators□

□ate form received □y agency□□□□□□□□□□□ □□□□□□□□□.□	
□ite name□	THRIFT□ □I□C□M□A□□ □T□□□R□ U□A □□□□□ R□M□□A□ ACTI□□
Classification□	□arge □uantity □enerator

Ha□ardous □aste □ummary□

. □aste code□	□□□□
. □aste name□	I□□ITA□□□□ □A□T□

□iolation □tatus□	□o violations found

J64 **CIRCLE K #7889/THRIFTY OIL#130** **LUST** **S102427905**
West **600 ROSECRANS AVE E** **Cortese** **N/A**
1/8-1/4 **GARDENA, CA 90248** **CERS**
0.234 mi.
1233 ft. **Site 6 of 8 in cluster J**

Relative: □U□T R□□ □□
Higher

Actual: **119 ft.**

Region□	□	
Regional □oard□	□□	
County□	□os Angeles	
Facility Id□	R□□□□□□	
□tatus□	□ollution Characteri□ation	
□u□stance□	□asoline	
□u□stance □uantity□	□ot reported	
□ocal Case □o□	□ot reported	
Case Type□	□oil	
A□atement Method Used at the □ite□		□ot reported
□lo□al I□□	T□□□□□□□□□□	
□ □lo□al I□□	□ot reported	
□taff□	R□□	
□ocal Agency□	□□□□□	
Cross □treet□	A□A□□ □	
□nforcement Type□	□□T	
□ate □eak □iscovered□	□□□□□□□□	
□ate □eak First Reported□		□□□□□□□□
□ate □eak Record □ntered□	□□□□□□□□	
□ate Confirmation □egan□	□ot reported	
□ate □eak □topped□	□□□□□□□□	
□ate Case □ast Changed on □ata□ase□		□□□□□□□□
□ate the Case was Closed□		□ot reported
How □eak □iscovered□	□uisance Conditions	
How □eak □topped□	□ot reported	
Cause of □eak□	□verfill	
□eak □ource□	□iping	
□perator□	CIRC□□ □ C□R□□ RATI□□	
□ ater □ystem□	□ot reported	
□ ell □ame□	□ot reported	
Appro□. □ist To □roduction □ ell □ft□□		□□□.□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□ource of Cleanup Funding□		□iping
□reliminary □ite Assessment □ orkplan □u□mitted□	□□□□□□□□	
□reliminary □ite Assessment □egan□		□□□□□□□□
□ollution Characteri□ation □egan□		□□□□□□□□
Remediation □lan □u□mitted□		□ot reported
Remedial Action Underway□		□ot reported
□ost Remedial Action Monitoring □egan□		□□□□□□□□
□nforcement Action □ate□		□ot reported
Historical Ma□ MT□□ □ate□		□ot reported
Hist Ma□ MT□□ Conc in □roundwater□		□ot reported
Hist Ma□ MT□□ Conc in □oil□		□ot reported
□ignificant Interim Remedial Action Taken□		□ot reported
□□ □ualifier□	□ot reported	
□oil □ualifier□	□ot reported	
□rgani□ation□	□ot reported	
□wner Contact□	□ot reported	
Responsi□le □arty□	R□ I H□RTA□□	
R□ Address□	□□□□□ □. F□□T□R R□.	
□rogram□	□U□T	
□at□□ong□	□□.□□□□□□□ □□□	
□ocal Agency □taff□	□ot reported	

CIRCLE K #7889/THRIFTY OIL#130 (Continued) **S102427905**

eneficial Use	ot reported
riority	ot reported
Cleanup Fund Id	ot reported
uspended	ot reported
Assigned ame	ot reported
ummary	U T TA RFI , A F R MIUM A I F FR M A CUT T I A A R M IA ACTI A

U T

ame	CIRC THRIFT I
Address	R CRA A
City,tate,ip	A , CA
ead Agency	A R C R I
Case Type	U T Cleanup ite
eo Track	http geotracker.water oards.ca.gov profile report.asp glo al id T
lo al Id	T
atitude	.
ongitude	.
tatus	Completed Case Closed
tatus ate	
Case orker	MR
R Case um er	R
ocal Agency	A C U T
File ocation	Regional oard
ocal Case um er	ot reported
otential Media Affect	oil
otential Contaminants of Concern	asoline
ite History	ot reported

U T

lo al Id	T
Contact Type	ocal Agency Caseworker
Contact ame	H A U
rgani ation ame	A C U T
Address	FR M T A
City	A HAM RA
mail	awu dpw.lacounty.gov
hone um er	

lo al Id	T
Contact Type	Regional oard Caseworker
Contact ame	Maryam Renard
rgani ation ame	A R C R I
Address	. TH T., UIT
City	A
mail	maryam.renard water oards.ca.gov
hone um er	

U T

lo al Id	T
Action Type	ther
ate	
Action	eak iscovery

lo al Id	T
Action Type	R

CIRCLE K #7889/THRIFTY OIL#130 (Continued) **S102427905**

□ate□
Action□

□lo□al Id□
Action Type□
□ate□
Action□

□lo□al Id□
Action Type□
□ate□
Action□

□lo□al Id□
Action Type□

CIRCLE K #7889/THRIFTY OIL#130 (Continued) **S102427905**

□lo□al Id□ T□□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□□□□
Action□ Remedial □rogress Report

□lo□al Id□ T□□□□□□□□□□□
Action Type□ R□M□□IATI□□
□ate□ □□□□□□□□□□□
Action□ □□cavation

□lo□al Id□ T□□□□□□□□□□□
Action Type□ R□M□□IATI□□
□ate□ □□□□□□□□□□□
Action□ □oil □apor □□traction □□□□

□lo□al Id□ T□□□□□□□□□□□
Action Type□ □□F□RC□M□□T
□ate□ □□□□□□□□□□□
Action□ □taff □etter

□lo□al Id□ T□□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□□□□
Action□ Remedial □rogress Report

□lo□al Id□ T□□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□□□□□□□□
Action□ □eak Reported

□lo□al Id□ T□□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□□□□
Action□ □oil and □ ater Investigation Report

□lo□al Id□ T□□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□□□□
Action□ Conceptual □ite Model

□lo□al Id□ T□□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□□□□
Action□ Remedial □rogress Report

□lo□al Id□ T□□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□□□□
Action□ Remedial □rogress Report

□lo□al Id□ T□□□□□□□□□□□
Action Type□ □□F□RC□M□□T
□ate□ □□□□□□□□□□□
Action□ □taff □etter

□lo□al Id□ T□□□□□□□□□□□
Action Type□ □□F□RC□M□□T

CIRCLE K #7889/THRIFTY OIL#130 (Continued) **S102427905**

□ate□ □□□□□□□□□□□□
Action□ □taff □etter

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □□F□ RC□M□□T
□ate□ □□□□□□□□□□□□
Action□ Clean Up Fund □Case Closure Review □ummary Report □R□R□

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □□F□ RC□M□□T
□ate□ □□□□□□□□□□□□
Action□ □taff □etter

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □□F□ RC□M□□T
□ate□ □□□□□□□□□□□□
Action□ □otification □□reclosure

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □□F□ RC□M□□T
□ate□ □□□□□□□□□□□□
Action□ Closure□□o Further Action □etter

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□□□□□
Action□ □oil and □ ater Investigation □ orkplan

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□□□□□
Action□ □ite Assessment Report

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□□□□□
Action□ Remedial □rogress Report

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □□F□ RC□M□□T
□ate□ □□□□□□□□□□□□
Action□ □taff □etter

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□□□□□
Action□ Interim Remedial Action □lan

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□□□□□
Action□ Remedial □rogress Report

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □□F□ RC□M□□T
□ate□ □□□□□□□□□□□□
Action□ □taff □etter

CIRCLE K #7889/THRIFTY OIL#130 (Continued) **S102427905**

□lo□al Id□ T□□□□□□□□□□□
Action Type□ □□F□RC□M□□T
□ate□ □□□□□□□□□□□
Action□ Clean Up Fund □Case Closure Review □ummary Report □R□R□

□lo□al Id□ T□□□□□□□□□□□
Action Type□ □□F□RC□M□□T
□ate□ □□□□□□□□□□□
Action□ Clean Up Fund □Case Closure Review □ummary Report □R□R□

□lo□al Id□ T□□□□□□□□□□□
Action Type□ R□□□□□□□□
□ate□ □□□□□□□□□□□
Action□ □oil and □ ater Investigation Report

□lo□al Id□ T□□□□□□□□□□□
Action Type□ R□□□□□□□□
□ate□ □□□□□□□□□□□
Action□ Remedial □rogress Report

□lo□al Id□ T□□□□□□□□□□□
Action Type□ R□□□□□□□□
□ate□ □□□□□□□□□□□
Action□ Remedial □rogress Report

□lo□al Id□ T□□□□□□□□□□□
Action Type□ R□□□□□□□□
□ate□ □□□□□□□□□□□
Action□ Conceptual □ite Model

□U□T□

□lo□al Id□ T□□□□□□□□□□□
□tatus□ □pen □Case □egin □ate
□tatus □ate□ □□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□
□tatus□ □pen □□ite Assessment
□tatus □ate□ □□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□
□tatus□ □pen □□erification Monitoring
□tatus □ate□ □□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□
□tatus□ □pen □□ite Assessment
□tatus □ate□ □□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□
□tatus□ □pen □□ite Assessment
□tatus □ate□ □□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□
□tatus□ □pen □Remediation
□tatus □ate□ □□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□
□tatus□ □pen □□ligi□le for Closure

CIRCLE K #7889/THRIFTY OIL#130 (Continued) **S102427905**

□tatus □ate□ □□□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□□
□tatus□ □pen □Remediation
□tatus □ate□ □□□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□□
□tatus□ Completed □Case Closed
□tatus □ate□ □□□□□□□□□□□□

C□RT□□□□
□ame□ CIRC□□ □ □□□□□□□THRIFT□ □I□□□□□□
Address□ □□□ R□ □□CRA□□ A□□ □
City,□tate,□ip□ □□ □ A□ □□□□□, CA □□□□□
Region□ C□RT□□□
□nvirostor Id□ □ot reported
□lo□al I□□ T□□□□□□□□□□□
□ite□Facility Type□ □U□T C□□A□U□ □IT□
Cleanup □tatus□ C□M□□□T□□ □CA□□ C□□ □□□
□tatus □ate□ □ot reported
□ite Code□ □ot reported
□atitude□ □ot reported
□ongitude□ □ot reported
□wner□ □ot reported
□nf Type□ □ot reported
□wat R□ □ot reported
Flag□ active
□rder □o□ □ot reported
□ aste □ischarge □ystem □o□ □ot reported
□ffective □ate□ □ot reported
Region □□ □ot reported
□ I□ Id□ □ot reported
□olid □ aste Id □o□ □ot reported
□ aste Management Uit □ame□ □ot reported
File □ame□ Active □pen

C□R□□
□ame□ CIRC□□ □ □□□□□□□THRIFT□ □I□□□□□□
Address□ □□□ R□ □□CRA□□ A□□ □
City,□tate,□ip□ □□ □ A□ □□□□□, CA □□□□□
□ite I□□ □□□□□□□
C□R□ I□□ T□□□□□□□□□□□
C□R□ □escription□ □eaking Underground □torage Tank Cleanup □ite

Affiliation□
Affiliation Type □esc□ □ocal Agency Caseworker
□ntity □ame□ □□ H□ A□ U□□ □□□□ □ A□ □□□□□ C□U□T□
□ntity Title□ □ot reported
Affiliation Address□ □□□ □ FR□M□□T A□□
Affiliation City□ A□HAM□RA
Affiliation □tate□ CA
Affiliation Country□ □ot reported
Affiliation □ip□ □ot reported
Affiliation □hone□ □□□□□□□□□□

Affiliation Type □esc□ Regional □oard Caseworker

CIRCLE K #7889/THRIFTY OIL#130 (Continued) **S102427905**

Entity Name:	MARAM TAI[illegible] A[illegible] R[illegible] C[illegible] R[illegible] I[illegible]
Entity Title:	Not reported
Affiliation Address:	[illegible] TH T., [illegible]
Affiliation City:	[illegible] A[illegible]
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	[illegible]

J65 **TESORO (USA) 63130** **UST** **U003938157**
West **600 E ROSECRANS AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90059**
0.234 mi.
1233 ft. **Site 7 of 8 in cluster J**

Relative: UST
Higher

Name:	ARC R[illegible] UCT [illegible]
Address:	[illegible] R[illegible] CRA[illegible] A[illegible]
City,State,Zip:	[illegible] A[illegible], CA [illegible]
Facility ID:	[illegible]
Permitting Agency:	[illegible] A[illegible], CIT[illegible] F
Latitude:	[illegible]
Longitude:	[illegible]

Actual:
119 ft.

Name:	T[illegible] R[illegible] U A[illegible]
Address:	[illegible] R[illegible] CRA[illegible] A[illegible]
City,State,Zip:	[illegible] A[illegible], CA [illegible]
Facility ID:	ACoFA[illegible]
Permitting Agency:	Los Angeles County Fire Department
Latitude:	[illegible]
Longitude:	[illegible]

K66 **TOSCO S.S. #3327** **LUST** **S103282039**
West **14216 AVALON BLVD S** **Cortese** **N/A**
1/4-1/2 **LOS ANGELES, CA 90059** **HIST CORTESE**
0.255 mi. **CERS**
1346 ft. **Site 1 of 6 in cluster K**

Relative: UST R[illegible]
Higher

Region:	[illegible]
Regional Board:	[illegible]
County:	Los Angeles
Facility Id:	R[illegible]
Status:	Leak Being confirmed
Substance:	Gasoline
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Soil
Abatement Method Used at the Site:	Not reported
Global ID:	T[illegible]
Global ID:	Not reported
Staff:	U[illegible]
Local Agency:	[illegible]
Cross Street:	R[illegible] CRA[illegible] A[illegible]
Enforcement Type:	Not reported

Actual:
120 ft.

TOSCO S.S. #3327 (Continued) **S103282039**

□ate □eak □iscovered□	□□□□□□□□□□
□ate □eak First Reported□	□□□□□□□□□□
□ate □eak Record □ntered□	□□□□□□□□□□
□ate Confirmation □egan□	□□□□□□□□□□
□ate □eak □topped□	□ot reported
□ate Case □ast Changed on □ata□ase□	□□□□□□□□□□
□ate the Case was Closed□	□ot reported
How □eak □iscovered□	□M
How □eak □topped□	□ot reported
Cause of □eak□	□ot reported
□eak □ource□	□ot reported
□perator□	□ot reported
□ ater □ystem□	□ot reported
□ ell □ame□	□ot reported
Appro□. □ist To □roduction □ ell □ft□□	□□□□.□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□ource of Cleanup Funding□	□ot reported
□reliminary □ite Assessment □ orkplan □u□mitted□□	□ot reported
□reliminary □ite Assessment □egan□	□ot reported
□ollution Characteri□ation □egan□	□ot reported
Remediation □lan □u□mitted□	□ot reported
Remedial Action Underway□	□ot reported
□ost Remedial Action Monitoring □egan□	□ot reported
□nforcement Action □ate□	□ot reported
Historical Ma□ MT□□ □ate□	□ot reported
Hist Ma□ MT□□ Conc in □roundwater□	□ot reported
Hist Ma□ MT□□ Conc in □oil□	□ot reported
□ignificant Interim Remedial Action Taken□	□ot reported
□□ □ualifier□	□ot reported
□oil □ualifier□	□ot reported
□rgani□ation□	□ot reported
□wner Contact□	□ot reported
Responsi□le □arty□	T□□C□ MAR□□TI□□ C□
R□ Address□	□.□. □□□ □□□□□□, □A□TA A□A, CA □□□□□□
□rogram□	□U□T
□at□□ong□	□□.□□□□□□□ □□□
□ocal Agency □taff□	□ot reported
□eneficial Use□	□ot reported
□riority□	□ot reported
Cleanup Fund Id□	□ot reported
□uspended□	□ot reported
Assigned □ame□	□ot reported
□ummary□	□□T □A CIT□ F□, □□R CAR□ □□□ □□R□ □A C□ □□□ FI□□ CA□□□□ □□ □□□□□□□□

□U□T□

□ame□	T□□C□ □.□. □□□□□
Address□	□□□□□ A□A□□ □ □□□ □
City,□tate,□ip□	□□ □ A□□ □□□□, CA □□□□□
□ead Agency□	□□ □ A□□ □□□□ C□U□T□
Case Type□	□U□T Cleanup □ite
□eo Track□	http□□□geotracker.water□oards.ca.gov□profile□report.asp□glo□al□id□T□□□□□□□□□□
□lo□al Id□	T□□□□□□□□□□
□atitude□	□□.□□□□□
□ongitude□	□□□□.□□□□□□
□tatus□	Completed □Case Closed
□tatus □ate□	□□□□□□□□□□
Case □ orker□	R□I
R□ Case □um□er□	R□□□□□□

TOSCO S.S. #3327 (Continued) **S103282039**

□ocal Agency□ □□□ A□□□□□□□ C□U□T□
File □ocation□ □ot reported
□ocal Case □um□er□ □ot reported
□otential Media Affect□ □oil
□otential Contaminants of Concern□ □asoline
□ite History□ □ot reported

□U□T□
□lo□al Id□ T□□□□□□□□□□□□
Contact Type□ □ocal Agency Caseworker
Contact □ame□ RA□I I□□R
□rgani□ation □ame□ □□□ A□□□□□□□ C□U□T□
Address□ □□□□ □. FR□M□□T A□□.
City□ A□HAM□RA
□mail□ riyer□ dpw.lacounty.gov
□hone □um□er□ □ot reported

□lo□al Id□ T□□□□□□□□□□□□
Contact Type□ Regional □oard Caseworker
Contact □ame□ □U□ R□□□
□rgani□ation □ame□ □□□ A□□□□□□□ R□ □C□ □R□□ I□□ □□
Address□ □□□□ □ . □TH □T., □UIT□ □□□□
City□ □os Angeles
□mail□ yrong□ water□oards.ca.gov
□hone □um□er□ □ot reported

□U□T□
□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□□□□□□□□□
Action□ □eak □iscovery

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ R□M□□IATI□□
□ate□ □□□□□□□□□□□□
Action□ □ther □Use □escription Field□

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□□□□□□□□□
Action□ □eak Reported

□U□T□
□lo□al Id□ T□□□□□□□□□□□□
□tatus□ □pen □Case □egin □ate
□tatus □ate□ □□□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□□
□tatus□ □pen □□ite Assessment
□tatus □ate□ □□□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□□
□tatus□ Completed □Case Closed
□tatus □ate□ □□□□□□□□□□□□

TOSCO S.S. #3327 (Continued) **S103282039**

C□RT□□□□
□ame□ T□□C□ □.□. □□□□□
Address□ □□□□□ A□A□□ □ □□□ □
City,□tate,□ip□ □□ □ A□□□□□□, CA □□□□□
Region□ C□RT□□□
□nvirostor Id□ □ot reported
□lo□al I□□ T□□□□□□□□□□
□ite□Facility Type□ □U□T C□□A□U□ □IT□
Cleanup □tatus□ C□M□□T□□ □CA□□ C□□ □□□
□tatus □ate□ □ot reported
□ite Code□ □ot reported
□atitude□ □ot reported
□ongitude□ □ot reported
□wner□ □ot reported
□nf Type□ □ot reported
□wat R□ □ot reported
Flag□ active
□rder □o□ □ot reported
□ aste □ischarge □ystem □o□ □ot reported
□ffective □ate□ □ot reported
Region □□ □ot reported
□ I□ Id□ □ot reported
□olid □ aste Id □o□ □ot reported
□ aste Management Uit □ame□ □ot reported
File □ame□ Active □pen

HI□T C□RT□□□□
edr□fname□ T□□C□ □.□. □□□□□
edr□fadd□□ □□□□□ A□A□□ □
City,□tate,□ip□ □□ □ A□□□□□□, CA □□□□□
Region□ C□RT□□□
Facility County Code□ □□
Reg □y□ □T□□A
Reg Id□ □□□□□□□□□

C□R□□
□ame□ T□□C□ □.□. □□□□□
Address□ □□□□□ A□A□□ □ □□□ □
City,□tate,□ip□ □□ □ A□□□□□□, CA □□□□□
□ite I□□ □□□□□□□
C□R□ I□□ T□□□□□□□□□□
C□R□ □escription□ □eaking Underground □torage Tank Cleanup □ite

Affiliation□
Affiliation Type □esc□ □ocal Agency Caseworker
□ntity □ame□ RA□I I□□R □□□ □ A□□□□□□ C□U□T□
□ntity Title□ □ot reported
Affiliation Address□ □□□ □. FR□M□□T A□□.
Affiliation City□ A□HAM□RA
Affiliation □tate□ CA
Affiliation Country□ □ot reported
Affiliation □ip□ □ot reported
Affiliation □hone□ □ot reported

Affiliation Type □esc□ Regional □oard Caseworker
□ntity □ame□ □U□ R□□□ □□□ A□□□□□ R□ □C□ □R□ I□□ □□

TOSCO S.S. #3327 (Continued) **S103282039**

□ntity Title□	□ot reported
Affiliation Address□	□□□ □ . □TH □T., □UIT□ □□□
Affiliation City□	□os Angeles
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

K67 **V & M PERCISION GRINDING** **HIST CORTESE** **S101296890**
WNW **14032 AVALON** **N/A**
1/4-1/2 **LOS ANGELES, CA 90061**
0.262 mi.
1382 ft. **Site 2 of 6 in cluster K**

Relative: HI□T C□RT□□□□
Higher

edr□fname□	□ □ M □□RCI□I□□ □RI□□I□□
edr□fadd□□	□□□□□ A□A□□ □
City,□tate,□ip□	□□ □ A□ □□□□□, CA □□□□□
Region□	C□RT□□□
Facility County Code□	□□
Reg □y□	□T□□A
Reg Id□	I□□□□□□

Actual:
122 ft.

K68 **V & M PERCISION GRINDING CO.** **LUST** **S111711285**
WNW **14032 AVALON BLVD S** **CERS** **N/A**
1/4-1/2 **WILLOWBROOK, CA 90061**
0.262 mi.
1382 ft. **Site 3 of 6 in cluster K**

Relative: □U□T□
Higher

□ame□	□ □ M □□RCI□I□□ □RI□□I□□ C□.
Address□	□□□□□ A□A□□ □ □□□ □
City,□tate,□ip□	□ I□□□ □ □R□ □, CA □□□□□
□ead Agency□	□□ □ A□ □□□□□ C□U□T□
Case Type□	□U□T Cleanup □ite
□eo Track□	http□□□geotracker.water□oards.ca.gov□profile□report.asp□glo□al□id□T□□□□□□□□□□
□lo□al Id□	T□□□□□□□□□□
□atitude□	□□.□□□□□□
□ongitude□	□□□□.□□□□□□
□tatus□	Completed □Case Closed
□tatus □ate□	□□□□□□□□
Case □ orker□	□□A
R□ Case □um□er□	I□□□□□□
□ocal Agency□	□□ □ A□ □□□□ C□U□T□
File □ocation□	□ot reported
□ocal Case □um□er□	□ot reported
□otential Media Affect□	□oil
□otential Contaminants of Concern□	Alcohols
□ite History□	□ot reported

□U□T□

□lo□al Id□	T□□□□□□□□□□
Contact Type□	□ocal Agency Caseworker
Contact □ame□	□□H□ A□ U□□
□rgani□ation □ame□	□□ □ A□ □□□□ C□U□T□
Address□	□□□ □ FR□M□□T A□□

V & M PERCISION GRINDING CO. (Continued) **S111711285**

City□ A□HAM□RA
□mail□ □awu□@□ dpw.lacounty.gov
□hone □um□er□ □□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□
Contact Type□ Regional □oard Caseworker
Contact □ame□ □U□ R□□□
□rgani□ation □ame□ □□□ A□□□□□□ R□ □C□ □R□□ I□□ □□
Address□ □□□ □ . □TH □T., □UIT□ □□□
City□ □os Angeles
□mail□ yrong□ water□oards.ca.gov
□hone □um□er□ □ot reported

□U□T□
□lo□al Id□ T□□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□/□□/□□□□
Action□ □eak □iscovery

□lo□al Id□ T□□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□/□□/□□□□
Action□ □eak □topped

□lo□al Id□ T□□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□/□□/□□□□
Action□ □eak Reported

□U□T□
□lo□al Id□ T□□□□□□□□□□□
□tatus□ □pen □Case □egin □ate
□tatus □ate□ □□□□/□□/□□□□

□lo□al Id□ T□□□□□□□□□□□
□tatus□ Completed □Case Closed
□tatus □ate□ □□□□/□□/□□□□

C□R□□
□ame□ □ □ M □□RCI□I□□ □RI□□I□□ C□.
Address□ □□□□□ A□A□□ □□□□ □
City,□tate,□ip□ □ I□□□ □ □R□□□, CA □□□□□
□ite I□□ □□□□□□
C□R□ I□□ T□□□□□□□□□□□
C□R□ □escription□ □eaking Underground □torage Tank Cleanup □ite

Affiliation□
Affiliation Type □esc□ □ocal Agency Caseworker
□ntity □ame□ □□ H□ A□ U□□ □□□ □ A□□□□□□ C□ U□ T□
□ntity Title□ □ot reported
Affiliation Address□ □□□ □ FR□M□□ T A□□
Affiliation City□ A□HAM□RA
Affiliation □tate□ CA
Affiliation Country□ □ot reported
Affiliation □ip□ □ot reported

V & M PERCISION GRINDING CO. (Continued) **S111711285**

Affiliation hone	
Affiliation Type esc	Regional oard Caseworker
ntity ame	U R A R C R I
ntity Title	ot reported
Affiliation Address	. TH T., UIT
Affiliation City	os Angeles
Affiliation tate	CA
Affiliation Country	ot reported
Affiliation ip	ot reported
Affiliation hone	ot reported

K69 **V & M PRECISION GRINDING COMPANY** **LUST** **1000122996**
WNW **14032 S AVALON BLVD** **SWEEPS UST** **CAD981463524**
1/4-1/2 **LOS ANGELES, CA 90061** **HIST UST**
0.262 mi. **RCRA NonGen / NLR**
1382 ft. **Site 4 of 6 in cluster K** **FINDS**
ECHO
Relative: **Cortese**
Higher **LOS ANGELES CO. HMS**

Actual:
122 ft.

U T R

Region		
Regional oard		
County	os Angeles	
Facility Id	I	
tatus	Case Closed	
u stance	Coolant	
u stance uantity	ot reported	
ocal Case o	ot reported	
Case Type	oil	
A atement Method Used at the ite		ot reported
lo al I	T	
lo al I	ot reported	
taff	U	
ocal Agency		
Cross treet	R CRA A .	
nforcement Type	ot reported	
ate eak iscovered		
ate eak First Reported		
ate eak Record ntered		
ate Confirmation egan	ot reported	
ate eak topped		
ate Case ast Changed on ata ase		
ate the Case was Closed		
How eak iscovered	Tank Closure	
How eak topped	ot reported	
Cause of eak	U	
eak ource	U	
perator	R, MA U	
ater ystem	ot reported	
ell ame	ot reported	
Appro . ist To roduction ell ft		.
ource of Cleanup Funding		U
reliminary ite Assessment ork lan u mitted		ot reported
reliminary ite Assessment egan		ot reported
ollution Characteri ation egan		ot reported

V & M PRECISION GRINDING COMPANY (Continued) **1000122996**

Remediation □lan □u□mitted□	□ot reported
Remedial Action Underway□	□ot reported
□ost Remedial Action Monitoring □egan□	□ot reported
□nforcement Action □ate□	□ot reported
Historical Ma□ MT□□ □ate□	□ot reported
Hist Ma□ MT□□ Conc in □roundwater□	□ot reported
Hist Ma□ MT□□ Conc in □oil□	□ot reported
□ignificant Interim Remedial Action Taken□	□ot reported
□□ □ualifier□	□ot reported
□oil □ualifier□	□ot reported
□rgani□ation□	□ot reported
□wner Contact□	□ot reported
Responsi□le □arty□	□□M □□RCI□I□□ □RI□□I□□ C□.
R□ Address□	□□□□□ A□A□□□ □□□□., □., □ I□□□ □ □R□□□, □□□□□
□rogram□	□U□T
□at□□ong□	□□.□□□□□□□ □□□
□ocal Agency □taff□	□ot reported
□eneficial Use□	□ot reported
□riority□	□ot reported
Cleanup Fund Id□	□ot reported
□uspended□	□ot reported
Assigned □ame□	□ot reported
□ummary□	□ot reported

□□ □□□□ U□T□

□ame□	□□M □R□CI□I□□ □RI□□I□□
Address□	□□□□□ □ A□A□□ □ □□□□
City□	□□ □ A□ □□□□
□tatus□	□ot reported
Comp □um□er□	□□□□
□um□er□	□ot reported
□oard □f □□uali□ation□	□ot reported
Referral □ate□	□ot reported
Action □ate□	□ot reported
Created □ate□	□ot reported
□wner Tank Id□	□ot reported
□□ RC□ Tank Id□	□□□□□□□□□□□□□□□□□□□□□□□□
Tank □tatus□	□ot reported
Capacity□	□□□□
Active □ate□	□ot reported
Tank Use□	□I□
□T□ □	□ A□T□
Content□	□ot reported
□um□er □f Tanks□	□

HI□T U□T□

□ame□	□ □ M □R□CI□I□□ □RI□□I□□ C□.
Address□	□□□□□ A□A□□ □ □□□□
City,□tate,□ip□	□□ □ A□ □□□□□, CA □□□□□
File □um□er□	□ot reported
UR□□	□ot reported
Region□	□TAT□
Facility I□□	□□□□□□□□□□□□
Facility Type□	□ther
□ther Type□	MACHI□□ □H□□
Contact □ame□	MA□U□□ □□R□□

V & M PRECISION GRINDING COMPANY (Continued) **1000122996**

Telephone	
wner ame	M R CI I RI I C .
wner Address	. A A
wner City, t, ip	A , CA
Total Tanks	
Tank um	
Container um	
ear Installed	
Tank Capacity	
Tank Used for	A T
Type of Fuel	ot reported
Container Construction Thickness	ot reported
eak etection	one

RCRA on en R
ate form received y agency .

Facility name	M R CI I RI I C M A
Facility address	A A A , CA
A I	CA
Mailing address	. A A A , CA
Contact	UC TT AR
Contact address	A A A , CA
Contact country	U
Contact telephone	
Contact email	ot reported
A Region	
and type	ther land type
Classification	on enerator
escription	Handler on enerators do not presently generate ha ardous waste

wner perator ummary

wner operator name	R
wner operator address	T R UIR T R UIR , M
wner operator country	ot reported
wner operator telephone	
wner operator email	ot reported
wner operator fa	ot reported
wner operator e tension	ot reported
egal status	rivate
wner perator Type	wner
wner p start date	ot reported
wner p end date	ot reported

wner operator name	T R UIR
wner operator address	T R UIR T R UIR , M
wner operator country	ot reported
wner operator telephone	
wner operator email	ot reported
wner operator fa	ot reported
wner operator e tension	ot reported

V & M PRECISION GRINDING COMPANY (Continued) **1000122996**

□egal status□ □rivate
□wner□□perator Type□ □perator
□wner□□p start date□ □ot reported
□wner□□p end date□ □ot reported

Handler Activities □ummary□
U.□. importer of ha□ardous waste□ □o
Mi□ed waste □ha□. and radioactive□□ □o
Recycler of ha□ardous waste□ □o
Transporter of ha□ardous waste□ □o
Treater, storer or disposer of H□ □ □o
Underground in□ection activity□ □o
□n□site □urner e□emption□ □o
Furnace e□emption□ □o
Used oil fuel □urner□ □o
Used oil processor□ □o
User oil refiner□ □o
Used oil fuel marketer to □urner□ □o
Used oil □pecification marketer□ □o
Used oil transfer facility□ □o
Used oil transporter□ □o

□iolation □tatus□ □o violations found

□valuation Action □ummary□
□valuation date□ □□□□□□□□□□ □□□□□□□□□□.□
□valuation□ C□M□□IA□C□ □□A□UATI□□ I□□□□CTI□□ □□□□IT□
Area of violation□ □ot reported
□ate achieved compliance□ □ot reported
□valuation lead agency□ □tate Contractor□□rantee

FI□□□□
Registry I□□ □□□□□□□□□□□□□

Click Here□

□nvironmental Interest□Information □ystem□
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 ha□ardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities re□uired under RCRA.
□TAT□ MA□T□R

Click this hyperlink while viewing on your computer to access additional FI□□□□detail in the □□R □ite Report.

□CH□□
□nvid□ □□□□□□□□□□□
Registry I□□ □□□□□□□□□□□□□
□FR UR□□ http□□ie□echo.epa.gov□detailed□facility□report□fid□□□□□□□□□□□□□□□
□ame□ □ □ M □R□CI□I□□ □RI□□I□□ C□M□A□□
Address□ □□□□□□ □ A□A□□ □ □□□□
City,□tate,□ip□ □□ □ A□□□□□□, CA □□□□□

C□RT□□□□

V & M PRECISION GRINDING COMPANY (Continued) **1000122996**

□ame□	□ □ M □□RCI□I□□ □RI□□I□□ C□.
Address□	□□□□□□ A□A□□□ □□□□ □
City,□tate,□ip□	□ I□□□□ □R□□□, CA □□□□□
Region□	C□RT□□□
□nvirostor Id□	□ot reported
□lo□al I□□	T□□□□□□□□□□□
□ite□Facility Type□	□U□T C□□A□U□ □IT□
Cleanup □tatus□	C□M□□□T□□ □CA□□ C□□ □□□
□tatus □ate□	□ot reported
□ite Code□	□ot reported
□atitude□	□ot reported
□ongitude□	□ot reported
□wner□	□ot reported
□nf Type□	□ot reported
□wat R□	□ot reported
Flag□	active
□rder □o□	□ot reported
□ aste □ischarge □ystem □o□	□ot reported
□ffective □ate□	□ot reported
Region □□	□ot reported
□ I□ Id□	□ot reported
□olid □ aste Id □o□	□ot reported
□ aste Management Uit □ame□	□ot reported
File □ame□	Active □pen

□□□ A□□□□□□ C□. HM□□

□ame□	□□M □R□CI□I□□ □RI□□I□□
Address□	□□□□□□ A□A□□□ □□□□
City,□tate,□ip□	□□□ A□□□□□□, CA □□□□□□□□□□
Region□	□A
□ermit Category□	I
Facility Id□	□□□□□□□□1□□□□□□
Facility Type□	□□
Facility □tatus□	Closed
Area□	□□
□ermit □um□er□	□□□□□□□□□□
□ermit □tatus□	Closed

□ame□	□□M □R□CI□I□□ □RI□□I□□
Address□	□□□□□□ A□A□□□ □□□□
City,□tate,□ip□	□□□ A□□□□□□, CA □□□□□□□□□□
Region□	□A
□ermit Category□	T
Facility Id□	□□□□□□□□□□□□□□□
Facility Type□	□
Facility □tatus□	Removed
Area□	□□
□ermit □um□er□	□□□□□□□□□T
□ermit □tatus□	Removed

L70 **V AND M PLATING COMPANY A CORP** **CPS-SLIC** **S112999323**
WNW **14024 S AVALON BLVD** **CERS HAZ WASTE** **N/A**
1/4-1/2 **LOS ANGELES, CA 90061** **HIST UST**
0.268 mi. **NPDES**
1415 ft. **Site 1 of 3 in cluster L** **CIWQS**
CERS
Relative: **NON-CASE INFO**
Higher

Actual: CLEANUP SITE:
122 ft.

Name:	V AND M PLATING CO, INC (FORMER)
Address:	14024 SOUTH AVALON BLVD
City,State,Zip:	LOS ANGELES, CA 90061
Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	08/31/2010
Global Id:	T0607100612
Lead Agency:	LOS ANGELES REGIONAL WQCB (RWQCB)
Lead Agency Case Number:	Not reported
Latitude:	33.87
Longitude:	-118.25
Case Type:	Cleanup Program Site
Case Worker:	JH
Local Agency:	Not reported
RB Case Number:	1220
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Tetrachloroethylene (PCE), Trichloroethylene (TCE), Chromium, Chromium VI
Site History:	Site is a metal plating facility that services the aerospace, agriculture, defense, fastener, medical, metal manufacturing, and oil industries. The subsurface soil and groundwater have been impacted with heavy metals and volatile organic compounds (VOCs). Cr6, Arsenic, chromium, and hexavalent chromium were detected in soil samples at concentrations up to 20 milligrams per kilogram (mg/kg), 2,000 mg/kg and 2,000 mg/kg, respectively. Tetrachloroethylene (PCE) and trichloroethylene (TCE) were detected in soil vapor at concentrations up to 20 micrograms per liter (ug/l) and 20 ug/l, respectively. PCE, TCE, chromium and hexavalent chromium were detected in groundwater at maximum concentrations of 0.5 ug/l, 20 ug/l, 2,000 ug/l, and 20 ug/l, respectively.

Click here to access the California GeoTracker records for this facility:

CERS HAZ WASTE:

Name:	V AND M PLATING CO
Address:	14024 S AVALON BLVD
City,State,Zip:	LOS ANGELES, CA 90061
Site ID:	1220
CERS ID:	10000000
CERS Description:	Hazardous Waste Generator

Name:	V AND M PLATING CO
Address:	14024 S AVALON BLVD
City,State,Zip:	LOS ANGELES, CA 90061
Site ID:	1220
CERS ID:	10000000
CERS Description:	RCRA-LQG: Generator

V AND M PLATING COMPANY A CORP (Continued) **S112999323**

HI□T U□T□

□ame□	□ A□□ M □□ATI□□ C□M□A□□ A C□R□
Address□	□□□□□□ □ A□A□□ □ □□□□
City,□tate,□ip□	□□ □ A□□ □□□□□, CA □□□□□
File □um□er□	□□□□□□□□
UR□□	http□□□geotracker.water□oards.ca.gov□ustpdfs□pdf□□□□□□□□□□.pdf
Region□	□ot reported
Facility I□□	□ot reported
Facility Type□	□ot reported
□ther Type□	□ot reported
Contact □ame□	□ot reported
Telephone□	□ot reported
□wner □ame□	□ot reported
□wner Address□	□ot reported
□wner City,□t,□ip□	□ot reported
Total Tanks□	□ot reported
Tank □um□	□ot reported
Container □um□	□ot reported
□ear Installed□	□ot reported
Tank Capacity□	□ot reported
Tank Used for□	□ot reported
Type of Fuel□	□ot reported
Container Construction Thickness□	□ot reported
□eak □etection□	□ot reported

Click here for □eo Tracker □□F□

□□□□□□

□ame□	□M A□R□ □□AC□
Address□	□□□□□ □□ A□A□□ □ □□□□
City,□tate,□ip□	□□ □ A□□ □□□□, CA □□□□□
Facility □tatus□	Active
□□□□□ □um□er□	CA□□□□□□□
Region□	□
Agency □um□er□	□
Regulatory Measure I□□	□□□□□□
□lace I□□	□ot reported
□rder □um□er□	□□□□□□□□ □
□ □I□□	□ □□I□□□□□□
Regulatory Measure Type□	□nrollee
□rogram Type□	Industrial
Adoption □ate □f Regulatory Measure□	□ot reported
□ffective □ate □f Regulatory Measure□	□□□□□□□□□□
Termination □ate □f Regulatory Measure□	□ot reported
□□piration □ate □f Regulatory Measure□	□ot reported
□ischarge Address□	□□□□□ □o Avalon □lvd
□ischarge □ame□	□M A□R□ □□AC□
□ischarge City□	□os Angeles
□ischarge □tate□	California
□ischarge □ip□	□□□□□
□tatus□	□ot reported
□tatus □ate□	□ot reported
□perator □ame□	□ot reported
□perator Address□	□ot reported
□perator City□	□ot reported

V AND M PLATING COMPANY A CORP (Continued) **S112999323**

perator tate	ot reported
perator ip	ot reported
as of	
um er	CA
tatus	Active
Agency um er	
Region	
Regulatory Measure I	
rder um er	
Regulatory Measure Type	nrollee
lace I	ot reported
I	I
rogram Type	Industrial
Adoption ate f Regulatory Measure	ot reported
ffective ate f Regulatory Measure	
piration ate f Regulatory Measure	ot reported
Termination ate f Regulatory Measure	ot reported
ischarge ame	M A R AC
ischarge Address	o Avalon lvd
ischarge City	os Angeles
ischarge tate	California
ischarge ip	
Received ate	ot reported
rocessed ate	ot reported
tatus	ot reported
tatus ate	ot reported
lace i e	ot reported
lace i e Unit	ot reported
Contact	ot reported
Contact Title	ot reported
Contact hone	ot reported
Contact hone t	ot reported
Contact mail	ot reported
perator ame	ot reported
perator Address	ot reported
perator City	ot reported
perator tate	ot reported
perator ip	ot reported
perator Contact	ot reported
perator Contact Title	ot reported
perator Contact hone	ot reported
perator Contact hone t	ot reported
perator Contact mail	ot reported
perator Type	ot reported
eveloper	ot reported
eveloper Address	ot reported
eveloper City	ot reported
eveloper tate	ot reported
eveloper ip	ot reported
eveloper Contact	ot reported
eveloper Contact Title	ot reported
Constype inear Utility Ind	ot reported
mergency hone	ot reported
mergency hone t	ot reported
Constype A ove round Ind	ot reported
Constype elow round Ind	ot reported
Constype Ca le ine Ind	ot reported

V AND M PLATING COMPANY A CORP (Continued) **S112999323**

Constype Comm ine Ind	ot reported
Constype Commertial Ind	ot reported
Constype lectrical ine Ind	ot reported
Constype as ine Ind	ot reported
Constype Industrial Ind	ot reported
Constype ther escription	ot reported
Constype ther Ind	ot reported
Constype Recons Ind	ot reported
Constype Residential Ind	ot reported
Constype Transport Ind	ot reported
Constype Utility escription	ot reported
Constype Utility Ind	ot reported
Constype ater ewer Ind	ot reported
ir ischarge Uswater Ind	ot reported
Receiving ater ame	ot reported
Certifier	ot reported
Certifier Title	ot reported
Certification ate	ot reported
rimary ic	ot reported
econdary ic	ot reported
Tertiary ic	ot reported
um er	ot reported
tatus	ot reported
Agency um er	ot reported
Region	
Regulatory Measure I	
rder um er	ot reported
Regulatory Measure Type	Industrial
lace I	ot reported
I	I
rogram Type	ot reported
Adoption ate f Regulatory Measure	ot reported
ffective ate f Regulatory Measure	ot reported
piration ate f Regulatory Measure	ot reported
Termination ate f Regulatory Measure	ot reported
ischarge ame	ot reported
ischarge Address	ot reported
ischarge City	ot reported
ischarge tate	ot reported
ischarge ip	ot reported
Received ate	
rocessed ate	
tatus	Active
tatus ate	
lace i e	
lace i e Unit	Ft
Contact	FFR A IA
Contact Title	H MA A R
Contact hone	
Contact hone t	ot reported
Contact mail	T UCA R AH .C M
perator ame	M A R AC
perator Address	o Avalon lvd
perator City	os Angeles
perator tate	California
perator ip	

V AND M PLATING COMPANY A CORP (Continued) **S112999323**

perator Contact	FFR A IA
perator Contact Title	H MA A R
perator Contact hone	
perator Contact hone t	ot reported
perator Contact mail	eff.a iak vandmaerospace.com
perator Type	rivate usiness
eveloper	ot reported
eveloper Address	ot reported
eveloper City	ot reported
eveloper tate	California
eveloper ip	ot reported
eveloper Contact	ot reported
eveloper Contact Title	ot reported
Constype inear Utility Ind	ot reported
mergency hone	
mergency hone t	ot reported
Constype A ove round Ind	ot reported
Constype elow round Ind	ot reported
Constype Ca le ine Ind	ot reported
Constype Comm ine Ind	ot reported
Constype Commertial Ind	ot reported
Constype lectrical ine Ind	ot reported
Constype as ine Ind	ot reported
Constype Industrial Ind	ot reported
Constype ther escription	ot reported
Constype ther Ind	ot reported
Constype Recons Ind	ot reported
Constype Residential Ind	ot reported
Constype Transport Ind	ot reported
Constype Utility escription	ot reported
Constype Utility Ind	ot reported
Constype ater ewer Ind	ot reported
ir ischarge Uswater Ind	
Receiving ater ame	ACIFIC C A
Certifier	effrey a iak
Certifier Title	Manager
Certification ate	CT
rimary ic	lectroplating, lating, olishing, Anodi ing, and Coloring
econdary ic	ot reported
Tertiary ic	ot reported

ame	M A R AC
Address	A A
City,tate,ip	A , CA
Facility tatus	ot reported
um er	ot reported
Region	ot reported
Agency um er	ot reported
Regulatory Measure I	ot reported
lace I	ot reported
rder um er	ot reported
I	I
Regulatory Measure Type	Industrial
rogram Type	ot reported
Adoption ate f Regulatory Measure	ot reported
ffective ate f Regulatory Measure	ot reported

V AND M PLATING COMPANY A CORP (Continued) **S112999323**

Termination □ate □f Regulatory Measure□	□ot reported
□□piration □ate □f Regulatory Measure□	□ot reported
□ischarge Address□	□ot reported
□ischarge □ame□	□ot reported
□ischarge City□	□ot reported
□ischarge □tate□	□ot reported
□ischarge □ip□	□ot reported
□tatus□	Active
□tatus □ate□	□□□□□□□□□□□□
□perator □ame□	□M A□R□ □□AC□
□perator Address□	□□□□□ □o Avalon □lvd
□perator City□	□os Angeles
□perator □tate□	California
□perator □ip□	□□□□□

□□□□ as of □□□□□□□□

□□□□ □um□er□	CA□□□□□□□
□tatus□	Active
Agency □um□er□	□
Region□	□
Regulatory Measure I□□	□□□□□□
□rder □um□er□	□□□□□□□□□ □
Regulatory Measure Type□	□nrollee
□lace I□□	□ot reported
□ □I□□	□ □□I□□□□□□
□rogram Type□	Industrial
Adoption □ate □f Regulatory Measure□	□ot reported
□ffective □ate □f Regulatory Measure□	□□□□□□□□□□□□
□□piration □ate □f Regulatory Measure□	□ot reported
Termination □ate □f Regulatory Measure□	□ot reported
□ischarge □ame□	□M A□R□ □□AC□
□ischarge Address□	□□□□□ □o Avalon □lvd
□ischarge City□	□os Angeles
□ischarge □tate□	California
□ischarge □ip□	□□□□□
Received □ate□	□ot reported
□rocessed □ate□	□ot reported
□tatus□	□ot reported
□tatus □ate□	□ot reported
□lace □i□e□	□ot reported
□lace □i□e Unit□	□ot reported
Contact□	□ot reported
Contact Title□	□ot reported
Contact □hone□	□ot reported
Contact □hone □□t□	□ot reported
Contact □mail□	□ot reported
□perator □ame□	□ot reported
□perator Address□	□ot reported
□perator City□	□ot reported
□perator □tate□	□ot reported
□perator □ip□	□ot reported
□perator Contact□	□ot reported
□perator Contact Title□	□ot reported
□perator Contact □hone□	□ot reported
□perator Contact □hone □□t□	□ot reported
□perator Contact □mail□	□ot reported
□perator Type□	□ot reported
□eveloper□	□ot reported

V AND M PLATING COMPANY A CORP (Continued) **S112999323**

□eveloper Address□	□ot reported
□eveloper City□	□ot reported
□eveloper □tate□	□ot reported
□eveloper □ip□	□ot reported
□eveloper Contact□	□ot reported
□eveloper Contact Title□	□ot reported
Constype □inear Utility Ind□	□ot reported
□mergency □hone□	□ot reported
□mergency □hone □□t□	□ot reported
Constype A□ove □round Ind□	□ot reported
Constype □elow □round Ind□	□ot reported
Constype Ca□le □ine Ind□	□ot reported
Constype Comm □ine Ind□	□ot reported
Constype Commertial Ind□	□ot reported
Constype □lectrical □ine Ind□	□ot reported
Constype □as □ine Ind□	□ot reported
Constype Industrial Ind□	□ot reported
Constype □ther □escription□	□ot reported
Constype □ther Ind□	□ot reported
Constype Recons Ind□	□ot reported
Constype Residential Ind□	□ot reported
Constype Transport Ind□	□ot reported
Constype Utility □escription□	□ot reported
Constype Utility Ind□	□ot reported
Constype □ ater □ewer Ind□	□ot reported
□ir □ischarge Uswater Ind□	□ot reported
Receiving □ ater □ame□	□ot reported
Certifier□	□ot reported
Certifier Title□	□ot reported
Certification □ate□	□ot reported
□rimary □ic□	□ot reported
□econdary □ic□	□ot reported
Tertiary □ic□	□ot reported
□□□□□ □um□er□	□ot reported
□tatus□	□ot reported
Agency □um□er□	□ot reported
Region□	□
Regulatory Measure I□□	□□□□□□
□rder □um□er□	□ot reported
Regulatory Measure Type□	Industrial
□lace I□□	□ot reported
□ □I□□	□ □□I□□□□□□
□rogram Type□	□ot reported
Adoption □ate □f Regulatory Measure□	□ot reported
□ffective □ate □f Regulatory Measure□	□ot reported
□□piration □ate □f Regulatory Measure□	□ot reported
Termination □ate □f Regulatory Measure□	□ot reported
□ischarge □ame□	□ot reported
□ischarge Address□	□ot reported
□ischarge City□	□ot reported
□ischarge □tate□	□ot reported
□ischarge □ip□	□ot reported
Received □ate□	□□□□□□□□□□□□
□rocessed □ate□	□□□□□□□□□□□□
□tatus□	Active
□tatus □ate□	□□□□□□□□□□□□

V AND M PLATING COMPANY A CORP (Continued) **S112999323**

□lace □i□e□	□□□□□
□lace □i□e Unit□	□□Ft
Contact□	□□FFR□□ □A□IA□
Contact Title□	□H□ MA□A□□R
Contact □hone□	□□□□□□□□□□□□
Contact □hone □□t□	□ot reported
Contact □mail□	T□□UCA□R□□ □AH□□.C□M
□perator □ame□	□M A□R□□□AC□
□perator Address□	□□□□□ □o Avalon □lvd
□perator City□	□os Angeles
□perator □tate□	California
□perator □ip□	□□□□□
□perator Contact□	□□FFR□□ □A□IA□
□perator Contact Title□	□H□ MA□A□□R
□perator Contact □hone□	□□□□□□□□□□□□
□perator Contact □hone □□t□	□ot reported
□perator Contact □mail□	□eff.□a□iak□ vandmaerospace.com
□perator Type□	□rivate □usiness
□eveloper□	□ot reported
□eveloper Address□	□ot reported
□eveloper City□	□ot reported
□eveloper □tate□	California
□eveloper □ip□	□ot reported
□eveloper Contact□	□ot reported
□eveloper Contact Title□	□ot reported
Constype □inear Utility Ind□	□ot reported
□mergency □hone□	□□□□□□□□□□
□mergency □hone □□t□	□ot reported
Constype A□ove □round Ind□	□ot reported
Constype □elow □round Ind□	□ot reported
Constype Ca□le □ine Ind□	□ot reported
Constype Comm □ine Ind□	□ot reported
Constype Commertial Ind□	□ot reported
Constype □lectrical □ine Ind□	□ot reported
Constype □as □ine Ind□	□ot reported
Constype Industrial Ind□	□ot reported
Constype □ther □escription□	□ot reported
Constype □ther Ind□	□ot reported
Constype Recons Ind□	□ot reported
Constype Residential Ind□	□ot reported
Constype Transport Ind□	□ot reported
Constype Utility □escription□	□ot reported
Constype Utility Ind□	□ot reported
Constype □ ater □ewer Ind□	□ot reported
□ir □ischarge Uswater Ind□	□
Receiving □ ater □ame□	□ACIFIC □C□A□
Certifier□	□effrey □a□iak
Certifier Title□	Manager
Certification □ate□	□□□□ CT□□□
□rimary □ic□	□□□□□□lectroplating, □lating, □olishing, Anodi□ing, and Coloring
□econdary □ic□	□ot reported
Tertiary □ic□	□ot reported

CI□ □□□

□ame□	□M A□R□□□AC□
Address□	□□□□□ □□ A□A□□ □ □□□□

V AND M PLATING COMPANY A CORP (Continued) **S112999323**

City,□tate,□ip□	□□ □ A□□ □□□□, CA □□□□□
Agency□	□M A□R□ □□AC□
Agency Address□	□□□□□ □o Avalon □lvd, □os Angeles, CA □□□□□
□lace□□ro□ect Type□	Industrial □□lectroplating, □lating, □olishing, Anodi□ing, and Coloring
□IC□□ AIC□□	□□□□
Region□	□
□rogram□	I□□□T□
Regulatory Measure □tatus□	Active
Regulatory Measure Type□	□torm water industrial
□rder □um□er□	□□□□□□□□□□□□□□ □ □
□ □I□□	□ □□I□□□□□□□
□□□□□ □um□er□	CA□□□□□□□□
Adoption □ate□	□ot reported
□ffective □ate□	□□□□□□□□□□□□
Termination □ate□	□ot reported
□□piration□Review □ate□	□ot reported
□esign Flow□	□ot reported
Ma□or□Minor□	□ot reported
Comple□ity□	□ot reported
TT□ □□	□ot reported
□nforcement Actions within □ years□	□
□iolations within □ years□	□
□atitude□	□□.□□□□□□
□ongitude□	□□□□.□□□□□□

C□R□□

□ame□	□M A□R□ □□AC□
Address□	□□□□□ □□ A□A□□ □ □□□□
City,□tate,□ip□	□□ □ A□□ □□□□□, CA □□□□□
□ite I□□	□□□□□□□
C□R□ I□□	□□□□□□□
C□R□ □escription□	Industrial Facility □torm □ ater

□valuation□

□val □eneral Type□	Case □evelopment Inspection
□val □ate□	□□□□□□□□□□
□iolations Found□	□o
□val Type□	Industrial □torm □ ater □nforcement Follow□up
□val □otes□	□taff visited the □M □lating Co in response to a □□T re□uest from former owner, □ □I□ □o □ □□I□□□□□□□. □taff was una□le to conduct a compliance inspection to the Company to verify compliance under the new facility management. Mr. □eff □a□iak, □H□ Manager, □□□□□□□□□□□□□□□, was not at the Company and his secretary □□ana□did not permit the inspection. The company was in operation under the new administration as o□served during the site visit. □everal employees were working at the plating facility. □ana confirmed that □M Aerospace operated the □usiness. □taff reviewed the □□ □□□□ and Monitoring program uploaded in □MART□. The □□ □□□□ and site map were deficient. □taff will revisit the site to conduct full compliance inspection. A □TC or □□□ will □e issued after the inspection. Couple of photos taken from the street are attached.
□val □ivision□	□ ater □oards
□val □rogram□	I□□□T□
□val □ource□	□MART□

V AND M PLATING COMPANY A CORP (Continued) **S112999323**

Affiliation□
- Affiliation Type □esc□: □wner□□ perator
- □ntity □ame□: □M A□R□ □□AC□
- □ntity Title□: □perator
- Affiliation Address□: □□□□□ □o Avalon □lvd
- Affiliation City□: □os Angeles
- Affiliation □tate□: CA
- Affiliation Country□: □ot reported
- Affiliation □ip□: □□□□□
- Affiliation □hone□: □ot reported

□ame□: □ □ M A□R□ □□AC□ □□C
Address□: □□□□□ □ A□A□□ □ □□□□
City,□tate,□ip□: □□ □ A□ □□□□□, CA □□□□□
□ite I□ □: □□□□□□
C□R□ I□ □: □□□□□□□□
C□R□ □escription□: Chemical □torage Facilities

□iolations□
- □ite I□ □: □□□□□□
- □ite □ame□: □ □ M A□R□ □□AC□ □□C
- □iolation □ate□: □□□□□□□□□□
- Citation□: □□ CCR □□ □□□□□.□□□□¢□□California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□.□□□□¢□
- □iolation □escription□: Failure to conduct and document inspections of ha□ardous waste tank systems each operating day and retain records of those inspections at the facility.
- □iolation □otes□: □□□□R□ATI□ □□□Records□logs of □□aily Floor Management □rogram Inspections□of the facility were not availa□le on site during the inspection. C□ RR□CTI□□ ACTI□ □□□□u□mit documentation to the CU□A demonstrating that the ha□ardous materials□wastes tank systems are □eing properly inspected and documented.
- □iolation □ivision□: □os Angeles County Fire □epartment
- □iolation □rogram□: H□ □□□
- □iolation □ource□: C□R□

□ite I□ □: □□□□□□
□ite □ame□: □ □ M A□R□ □□AC□ □□C
□iolation □ate□: □□□□□□□□□□
Citation□: □□ CCR □□ □□□□□.□ □California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□.□
□iolation □escription□: Failure to manage empty containers greater than □ gallons in capacity that previously held a ha□ardous material□waste in accordance with □□ CCR □□ □□□□□.□ including □ut not limited to the following□□e□□□□□y reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value□or □□□□y reconditioning or remanufacturing the container or inner liner onsite for su□se□uent reuse, or shipping the container or inner liner to a person who reconditions or remanufactures the container or inner liner□or □□□□y shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to su□sections □e□□□□or □e□□□□of □□ CCR □□ □□□□□.□□or □□□□y shipping the container or inner liner □ack to the supplier for the purpose of □eing refilled. □f□A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to

V AND M PLATING COMPANY A CORP (Continued) **S112999323**

su section e of CCR CCR .. shall e marked with the date it has een emptied and shall e managed within one year of eing emptied.

iolation otes served multiple gallon and gallon used and empty containers located throughout the facility all without a proper empty la el. C RR CTI ACTI u mit photos documentation to this department demonstrating that the empty containers listed a ove have een marked with the date they were emptied and are eing properly managed pursuant to CCR ..

iolation ivision os Angeles County Fire epartment
iolation rogram H
iolation ource C R

ite I
ite ame M A R AC C
iolation ate
Citation H C .. California Health and afety Code, Chapter .., ection s..

iolation escription Failure to annually review and electronically certify that the usiness plan is complete and accurate on or efore the annual due date.

iolation otes R ATI The usiness failed to electronically su mit and certify that the usiness plan is complete, accurate, and in compliance with CRA on or efore the annual due date. California nvironmental Reporting ystem C R su mittal was missing incomplete Reviewed C R su mittals su mitted on and found the following needed to e addressed Missing ocal Unified rogram Agency U A CU A phone num er on facility's consolidated emergency response contingency plan Missing nearest medical facility hospital name and phone num er on facility's consolidated emergency response contingency plan Missing re uired contents storm and sewer drains, and evacuation area on facility s site map Missing re uired employee training plan records Inaccurate Ha ardous Materials HM uantities in the HM inventory Inaccurate Ha ardous astes H uantities in the H inventory C RR CTI ACTI Truncated

iolation ivision os Angeles County Fire epartment
iolation rogram HMRR
iolation ource C R

ite I
ite ame M A R AC C
iolation ate
Citation CCR .. California Code of Regulations, Title , Chapter , ection s..

iolation escription Failure to provide employees with ha ardous waste training program of class room instructions or on the o training within the first si months after the date of their employment or assignment to a facility, or to a new position at a facility and annually thereafter. Training records on current personnel shall e kept until closure of the facility and for former employees the record shall e kept for at least three years from the date the employee last worked at the facility. The records shall include the following the o title for each position at the facility related to ha ardous waste management, and the name of the employee filling each o a written o description for each position, duties of facility personnel assigned to each position, and a written description of the type and amount of oth introductory and continuing training that will e given to each

V AND M PLATING COMPANY A CORP (Continued) **S112999323**

person filling a position.

□iolation □otes□ □□□□R□ATI□ □□□ocumented training of personnel was not availa□le at the time of inspection. Facility's employee training records for ha□ardous waste were not availa□le on site during the inspection. C□ RR□CTI□□ ACTI□ □□□ocate training documentation or conduct training with applica□le personnel and document it. □u□mit a copy of the training documentation to the CU□A.

□iolation □ivision□ □os Angeles County Fire □epartment

□iolation □rogram□ H□ □□ □

□iolation □ource□ C□R□

□ite I□ □ □□□□□□

□ite □ame□ □ □ M A□R□ □□AC□ □□C

□iolation □ate□ □□□□□□□□□□

Citation□ □□ CCR □□ □□□□□.□□□f□□California Code of Regulations, Title □□, Chapter □□, □ection□$□□□□□□.□□□f□

□iolation □escription□ Failure to properly la□el ha□ardous waste accumulation containers with the following re□uirements□□Ha□ardous □ aste□ name and address of the generator, physical and chemical characteristics of the Ha□ardous □ aste, and starting accumulation date.

□iolation □otes□ □□□□R□ATI□ □□The following containers of ha□ardous waste were o□served with incomplete or no ha□ardous waste □H□ □la□els□□□ □ □□□gallon container containing H□ solid □chrome□located at □ack e□terior H□ storage area was o□served with a H□ la□el w□out an accumulation date info□□□ □ □□□gallon container containing H□ R□ corrosive, acidic li□uids □hydrochloric acid□located at □ack e□terior H□ storage area was o□served with a H□ la□el w□out an accumulation date info□□□ □ □□□gallon container containing H□ corrosive, acidic li□uids □muriatic acid□located at □ack e□terior ha□ardous materials storage area was o□served with a H□ la□el w□out an accumulation date info□□□ □ □□□□gallon tote containing H□ acid rinse located at □ack e□terior H□ storage area was o□served w□out a H□ la□el□□□ □ □□□gallon container containing H□ chrome strip waste li□uids located at chrome strip area was o□served w□out a H□ la□el□□□ □ □□□gallon container containing H□ solids □chrome□□Truncated□

□iolation □ivision□ □os Angeles County Fire □epartment

□iolation □rogram□ H□ □□ □

□iolation □ource□ C□R□

□ite I□ □ □□□□□□

□ite □ame□ □ □ M A□R□ □□AC□ □□C

□iolation □ate□ □□□□□□□□□□

Citation□ □□ CCR □□ □□□□□.□□□f□□California Code of Regulations, Title □□, Chapter □□, □ection□$□□□□□□.□□□f□

□iolation □escription□ Failure to properly la□el ha□ardous waste accumulation containers with the following re□uirements□□Ha□ardous □ aste□ name and address of the generator, physical and chemical characteristics of the Ha□ardous □ aste, and starting accumulation date.

□iolation □otes□ Returned to compliance on □□□□□□□□□□. □□□□R□ATI□ □□All ha□ardous waste containers shall □e marked with the following information□□□the words □ Ha□ardous □ aste□ □□□name and address of generator□□□ ha□ardous properties□□□physical state□□□composition □contents□□□□ accumulation start date. □ □served the following violations□a□□□ gallon container of chrome contaminated mop water lacking the re□uired markings stored in □uilding □□. □□□□ gallon container of chrome masking waste lacking accumulation date stored in □uilding □□. C□ RR□CTI□□ ACTI□ □□Immediately la□el these containers and ensure that

V AND M PLATING COMPANY A CORP (Continued) **S112999323**

all ha ardous waste containers are marked with all the re uired information.

iolation ivision os Angeles County Fire epartment
iolation rogram H
iolation ource C R

ite I
ite ame M A R AC C
iolation ate
Citation CCR California Code of Regulations, Title , Chapter , ection s .
iolation escription Failure to maintain aisle space to allow the uno structed movement of personnel, fire protection e uipment, spill control e uipment, and decontamination e uipment to any area of facility operation in an emergency, unless aisle space is not needed for any of these purposes.
iolation otes R ATI The ha ardous waste storage area located at ack e terior area did not have ade uate aisle space allowing for uno structed movement. C RR CTI ACTI u mit photos to the CU A demonstrating that ade uate aisle space has een provided.
iolation ivision os Angeles County Fire epartment
iolation rogram H
iolation ource C R

ite I
ite ame M A R AC C
iolation ate
Citation H C . Multiple California Health and afety Code, Chapter ., ection s Multiple
iolation escription RCRA arge uantity enerator Release eaks pills eneral
iolation otes Clean up all spills, releases, and leaks immediately. served accumulation of li uids in the secondary containment under a chrome stripping tank at the chrome strip area.
iolation ivision os Angeles County Fire epartment
iolation rogram H
iolation ource C R

ite I
ite ame M A R AC C
iolation ate
Citation CCR California Code of Regulations, Title , Chapter , ection s .
iolation escription Failure to maintain and operate the facility to minimi e the possi ility of a fire, e plosion, or any unplanned sudden or non sudden release of ha ardous waste or ha ardous waste constituents to the air, soil, or surface water which could threaten human health or the environment.
iolation otes Returned to compliance on . R ATI Facilities shall e maintained and operated to minimi e the possi ility of a fire, e plosion, or release of ha ardous waste to air, soil, or surface water which could threaten human health or the environment. served accumulation of used ha ardous waste sand last on the floor around sand last e uipment. C RR CTI ACTI Immediately remove waste sand last off the floor and manage according to Title ha ardous waste regulations. u mit a statement and supporting documentation e plaining how this waste was managed y .
iolation ivision os Angeles County Fire epartment
iolation rogram H

V AND M PLATING COMPANY A CORP (Continued) **S112999323**

□iolation □ource□ C□R□

□ite I□□ □□□□□□□
□ite □ame□ □ □ M A□R□ □□AC□ □□C
□iolation □ate□ □□□□□□□□□□□
Citation□ □□ CCR □□ □□□□□□.□□□a□□California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□.□□□a□
□iolation □escription□ Failure to o□tain a permit or grant of interim status to accumulate ha□ardous waste longer than □□ days.
□iolation □otes□ Returned to compliance on □□□□□□□□□□. □ □□□R□ATI□ □□Facilities who generate more than □□□□ kg of ha□ardous waste per month may store waste on site up to □□ days. □ □served the following violations in □uilding □□□□□□□ gallon container of waste sodium hydro□ide with accumulation date of □□□□□□□□□□. □□□□ gallon container of waste nitel etch with accumulation date of □□□□□□□□□□. □□□□ gallon container of chrome contaminated mop water with accumulation date of □□□□□□□□□□. C□ RR□CTI□□ ACTI□ □□Immediately contact a licensed ha□ardous waste hauler to dispose of this waste under manifest and su□mit a copy of the manifest to the CU□A □y □□□□□□□□□□.
□iolation □ivision□ □os Angeles County Fire □epartment
□iolation □rogram□ H□ □□ □
□iolation □ource□ C□R□

□ite I□□ □□□□□□□
□ite □ame□ □ □ M A□R□ □□AC□ □□C
□iolation □ate□ □□□□□□□□□□□
Citation□ □□ CCR □□ □□□□□□.□□□ □California Code of Regulations, Title □□, Chapter □□, □ection□s□□□□□□.□□□
□iolation □escription□ Failure to meet the following container management re□uirements□□a□A container holding ha□ardous waste must always □e closed during storage, e□cept when it is necessary to add or remove waste. □□□A container holding ha□ardous waste must not □e opened, handled, or stored in a manner which may rupture the container or cause it to leak.
□iolation □otes□ □□□□R□ATI□□□□□ ne rectugar container of spent acid li□uids located at the hydrochloric acid surface preparation line was o□served open. C□ RR□CTI□□ ACTI□ □□□u□mit photos to the CU□A demonstrating that the container listed a□ove has □een properly closed.
□iolation □ivision□ □os Angeles County Fire □epartment
□iolation □rogram□ H□ □□ □
□iolation □ource□ C□R□

□valuation□
□val □eneral Type□ □ther□Unknown
□val □ate□ □□□□□□□□□□□
□iolations Found□ □o
□val Type□ □ther, not routine, done □y local agency
□val □otes□ □ot reported
□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ H□ □□ □
□val □ource□ C□R□

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□
□iolations Found□ □o
□val Type□ Routine done □y local agency
□val □otes□ Anthony □a□iak □□resident □o significant violations o□served on date

V AND M PLATING COMPANY A CORP (Continued) **S112999323**

of inspection.

□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ HMRR□
□val □ource□ C□R□

□val □eneral Type□ □ther□Unknown
□val □ate□ □□□□□□□□□□□□
□iolations Found□ □o
□val Type□ □ther, not routine, done □y local agency
□val □otes□ □ot reported
□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ H□ □□□
□val □ource□ C□R□

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□□
□iolations Found□ □es
□val Type□ Routine done □y local agency
□val □otes□ Anthony R. □a□iak □□resident
□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ H□ □□□
□val □ource□ C□R□

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□□
□iolations Found□ □es
□val Type□ Routine done □y local agency
□val □otes□ □ennis Col□ert, □lant Manager The owner□operator was advised to update, review, and su□mit any and all information missing in the California □nvironmental Reporting □ystem □C□R□□online system.
□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ HMRR□
□val □ource□ C□R□

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□□□
□iolations Found□ □es
□val Type□ Routine done □y local agency
□val □otes□ □ennis Col□ert, □lant Manager The owner □operator was advised of proper ha□ardous waste management, ha□ardous materials handling, record□keeping, permit payment, and good □usiness practices.
□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ H□ □□□
□val □ource□ C□R□

Affiliation□
Affiliation Type □esc□ Identification □igner
□ntity □ame□ □ennis Col□ert
□ntity Title□ □lant Manager
Affiliation Address□ □ot reported
Affiliation City□ □ot reported
Affiliation □tate□ □ot reported
Affiliation Country□ □ot reported
Affiliation □ip□ □ot reported
Affiliation □hone□ □ot reported

Affiliation Type □esc□ □egal □wner

V AND M PLATING COMPANY A CORP (Continued) **S112999323**

□ntity □ame□	□□□ARIA □R□U□
□ntity Title□	□ot reported
Affiliation Address□	□□□□□□ □ A□A□□□ □ □□□□
Affiliation City□	□□□ A□□□□□□
Affiliation □tate□	CA
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□

Affiliation Type □esc□	□roperty □wner
□ntity □ame□	□□□ARIA □R□U□
□ntity Title□	□ot reported
Affiliation Address□	□□□□□□ □ A□A□□□ □ □□□□
Affiliation City□	□□□ A□□□□□□
Affiliation □tate□	CA
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□

Affiliation Type □esc□	Facility Mailing Address
□ntity □ame□	Mailing Address
□ntity Title□	□ot reported
Affiliation Address□	□□□□□□ □ A□A□□□ □ □□□□
Affiliation City□	□□□ A□□□□□□
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□
Affiliation □hone□	□ot reported

Affiliation Type □esc□	□arent Corporation
□ntity □ame□	□ □ M A□R□□□AC□ □□C
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

Affiliation Type □esc□	□ocument □reparer
□ntity □ame□	A□M
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

Affiliation Type □esc□	□nvironmental Contact
□ntity □ame□	□ennis Col□ert
□ntity Title□	□ot reported
Affiliation Address□	□□□□□□ □ A□A□□□ □ □□□□
Affiliation City□	□□□ A□□□□□□
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□

V AND M PLATING COMPANY A CORP (Continued) **S112999323**

Affiliation □hone□	□ot reported
Affiliation Type □esc□	□perator
□ntity □ame□	□ □ M A□R□ □□AC□ □□C
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□□□□□□□□□□□□□□
Affiliation Type □esc□	CU□A □istrict
□ntity □ame□	□os Angeles County Fire
□ntity Title□	□ot reported
Affiliation Address□	□□□□ Ricken□acker Road
Affiliation City□	Commerce
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□□□□□□
Affiliation □hone□	□□□□□□□□□□□□□□

□□□□CA□□ I□F□□

□ame□	□M A□R□ □□AC□
Address□	□□□□□□ □□ A□A□□ □ □□□□
City,□tate,□ip□	□□ □ A□ □□□□□, CA □□□□□□
□lo□al I□□	T□□□□□□□□□□□□
Case Type□	□on□Case Information
□tatus□	□ending Review
□tatus □ate□	□□□□□□□□□□
□ead Agency□	□□ □ A□ □□□□□ R□ □C□ □R□□ I□ □ □□
Case □ orker□	□ot reported
□ocal Agency□	□ot reported
R□ Case □um□er□	□ot reported
□oc Case □um□er□	□ot reported
File □ocation□	□ot reported
□otential Contaminants of Concern□	□ot reported
□otential Media Affected□	□ot reported
□ite History□	□ot reported
□egin □ate□	□□□□□□□□□□□□ □□□□□□□□□□
How □iscovered□	□ot reported
How □iscovered □escription□	□ot reported
□top Method□	□ot reported
□top □escription□	□ot reported
□atitude□	□□.□□□□□□
□ongitude□	□□□□.□□□□□□
□eotracker□	http□□□geotracker.water□oards.ca.gov□profile□report.asp□glo□al□id□T□□□□□□□□□□□□

L71 | **V & M AEROSPACE LLC** | **ENVIROSTOR** | **1000122990**
WNW | **14024 AVALON BLVD** | **HIST UST** | **N/A**
1/4-1/2 | **LOS ANGELES, CA 90061** | **FINDS**
0.268 mi. | | **ECHO**
1415 ft. | **Site 2 of 3 in cluster L** | **NPDES**
WDS
Relative: | **CIWQS**
Higher | **CERS**

Actual:
122 ft.

ENVIRONSTOR:

Name:	V & M AEROSPACE
Address:	14024 SOUTH AVALON BLVD
City,State,Zip:	LOS ANGELES, CA 90061
Facility ID:	19990122
Status:	Inactive - Action Required
Status Date:	12/31/2001
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0.5
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Assembly:	43
Senate:	25
Special Program:	NPL ALSO
Restricted Use:	NO
Site Mgmt Req:	NO SITE MGMT REQ
Funding:	Not reported
Latitude:	33.8
Longitude:	-118.2
APN:	7412-001-001
Past Use:	MISCELLANEOUS INDUSTRIAL
Potential COC:	AQUEOUS SOLVENTS / SOLVENTS WITH METALS; SOIL; GROUNDWATER; VOCS; Chromium VI
Confirmed COC:	Not reported
Potential Description:	MISCELLANEOUS INDUSTRIAL

Alias Name:	19990122
Alias Type:	ALT
Alias Name:	CAD009120990
Alias Type:	EPA Identification Number
Alias Name:	19990122-001
Alias Type:	ALT FRS ID
Alias Name:	90000000
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	REGION 4
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	20000101
Comments:	RWQCB file 19990122, SUBT program. Refer.

Completed Area Name:	REGION 4
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	20000101

V & M AEROSPACE LLC (Continued) **1000122990**

Comments□ FAC T□□□□H□ □□I□□ TA□□□ □□,□□□□ A□ F□R □ A□T□ □ AT□R. C□□ □□□ TR□□CH A□AI□A□□□ F□R CATCHI□□ □□□RF□□□ . □□RMIT□□□□□□□□C □C□ □□□R □□URC□ ACT□C□ □□□R □UR□□□ □□□ATI□□ AIR CRA□T□H□□RAU□IC □ART□.R□U□□□ □ A□T□□ AT□R. □U□MIT T□ □□A □R□□IM A□□□□□ □□□□ RCRA □□□□

Completed Area □ame□ □R□□□CT □ I□□
Completed □u□ Area □ame□ □ot reported
Completed □ocument Type□ □□iscovery
Completed □ate□ □□□□□□□□□□
Comments□ FACI□IT□ I□□□TIFI□□ I□ FR□M □RRI□

Completed Area □ame□ □R□□□CT □ I□□
Completed □u□ Area □ame□ □ot reported
Completed □ocument Type□ □□iscovery
Completed □ate□ □□□□□□□□□□
Comments□ FACI□IT□ I□□□TIFI□□ □A CHAM □F C□MM □U□ □IR □□□□□□□

Completed Area □ame□ □R□□□CT □ I□□
Completed □u□ Area □ame□ □ot reported
Completed □ocument Type□ □A□□I □ite □creening
Completed □ate□ □□□□□□□□□□
Comments□ □ot reported

Future Area □ame□ □ot reported
Future □u□ Area □ame□ □ot reported
Future □ocument Type□ □ot reported
Future □ue □ate□ □ot reported
□chedule Area □ame□ □ot reported
□chedule □u□ Area □ame□ □ot reported
□chedule □ocument Type□ □ot reported
□chedule □ue □ate□ □ot reported
□chedule Revised □ate□ □ot reported

HI□T U□T□

□ame□ □ □ M □□ATI□□ C□M□A□□ A C□R□
Address□ □□□□□ A□A□□ □ □□□□
City,□tate,□ip□ □□ □ A□□ □□□□, CA □□□□□
File □um□er□ □ot reported
UR□□ □ot reported
Region□ □TAT□
Facility I□ □ □□□□□□□□□□□□
Facility Type□ □ther
□ther Type□ CHR□M□ □□ATI□□
Contact □ame□ A□TH□ □□ □A□IA□
Telephone□ □□□□□□□□□□
□wner □ame□ □ □ M □□ATI□□ C□M□A□□ A C□R□
□wner Address□ □□□□□ □ A□A□□ □ □□□□
□wner City,□t,□ip□ □□ □ A□□ □□□□, CA □□□□□
Total Tanks□ □□□□

Tank □um□ □□□
Container □um□ □
□ear Installed□ □□□□
Tank Capacity□ □□□□□□□□
Tank Used for□ □R□□UCT
Type of Fuel□ □ot reported
Container Construction Thickness□ □□□

V & M AEROSPACE LLC (Continued) **1000122990**

□eak □etection□ □isual

Tank □um□
Container □um□
□ear Installed□
Tank Capacity□
Tank Used for□
Type of Fuel□
Container Construction Thickness□
□eak □etection□ □isual

Tank □um□
Container □um□
□ear Installed□
Tank Capacity□
Tank Used for□ □R□□UCT
Type of Fuel□ □ot reported
Container Construction Thickness□
□eak □etection□ □isual

Tank □um□
Container □um□
□ear Installed□
Tank Capacity□
Tank Used for□ □R□□UCT
Type of Fuel□ □ot reported
Container Construction Thickness□
□eak □etection□ □isual

Tank □um□
Container □um□
□ear Installed□
Tank Capacity□
Tank Used for□ □R□□UCT
Type of Fuel□ □ot reported
Container Construction Thickness□
□eak □etection□ □isual

Tank □um□
Container □um□
□ear Installed□
Tank Capacity□
Tank Used for□ □ A□T□
Type of Fuel□ □ot reported
Container Construction Thickness□
□eak □etection□ □isual

FI□□□□
Registry I□□ □□□□□□□□□□□□□

Click Here□

□nvironmental Interest□nformation □ystem□
AIR □MI□□I□□□ C□A□□IFICATI□□ U□□□□□□
California Ha□ardous □ aste Tracking □ystem □□atamart □H□ T□□□ATAMART□
provides California with information on ha□ardous waste shipments for
generators, transporters, and treatment, storage, and disposal

V & M AEROSPACE LLC (Continued) **1000122990**

facilities.
U A TRI oxics Release Inventory ystem contains information from facilities on the amounts of over listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off site.
RI A T CH R I
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.
HAZAR U A T I IA R RT R
TAT MA T R
ICI Integrated Compliance Information ystem is the Integrated Compliance Information ystem and provides a database that, when complete, will contain integrated nforcement and Compliance information across most of A's programs. The vision for ICI is to replace A's independent databases that contain nforcement data with a single repository for that information. Currently, ICI contains all Federal Administrative and udicial enforcement actions. This information is maintained in ICI y A in the Regional offices and it Headquarters. A future release of ICI will replace the ermit Compliance ystem C which supports the and will integrate that information with Federal actions already in the system. ICI also has the capability to track other activities occurring in the Region that support Compliance and nforcement programs. These include Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FI detail in the R ite Report.

CH

nvid	
Registry I	
FR UR	http echo.epa.gov detailed facility report fid
ame	M AR AC C
Address	A A
City, tate, ip	A , CA

ame	M ATI C
Address	A A
City, tate, ip	A , CA
Facility tatus	ot reported
um er	ot reported
Region	ot reported
Agency um er	ot reported
Regulatory Measure I	ot reported
lace I	ot reported
rder um er	ot reported
I	I
Regulatory Measure Type	Industrial
rogram Type	ot reported
Adoption ate f Regulatory Measure	ot reported
ffective ate f Regulatory Measure	ot reported
Termination ate f Regulatory Measure	ot reported

V & M AEROSPACE LLC (Continued) **1000122990**

□□piration □ate □f Regulatory Measure□	□ot reported
□ischarge Address□	□ot reported
□ischarge □ame□	□ot reported
□ischarge City□	□ot reported
□ischarge □tate□	□ot reported
□ischarge □ip□	□ot reported
□tatus□	Terminated
□tatus □ate□	□□□□□□□□□□
□perator □ame□	□ M □lating Co
□perator Address□	□□□□□ Avalon □lvd
□perator City□	□os Angeles
□perator □tate□	California
□perator □ip□	□□□□□

□□□□ as of □□□□□□□□

□□□□ □um□er□	CA□□□□□□□
□tatus□	Terminated
Agency □um□er□	□
Region□	□
Regulatory Measure I□□	□□□□□□
□rder □um□er□	□□□□□□□□□ □ □
Regulatory Measure Type□	□nrollee
□lace I□□	□ot reported
□ □I□□	□ □□I□□□□□□
□rogram Type□	Industrial
Adoption □ate □f Regulatory Measure□	□ot reported
□ffective □ate □f Regulatory Measure□	□□□□□□□□□□
□□piration □ate □f Regulatory Measure□	□ot reported
Termination □ate □f Regulatory Measure□	□□□□□□□□□□
□ischarge □ame□	□ M □lating Co
□ischarge Address□	□□□□□ Avalon □lvd
□ischarge City□	□os Angeles
□ischarge □tate□	California
□ischarge □ip□	□□□□□
Received □ate□	□ot reported
□rocessed □ate□	□ot reported
□tatus□	□ot reported
□tatus □ate□	□ot reported
□lace □i□e□	□ot reported
□lace □i□e Unit□	□ot reported
Contact□	□ot reported
Contact Title□	□ot reported
Contact □hone□	□ot reported
Contact □hone □□t□	□ot reported
Contact □mail□	□ot reported
□perator □ame□	□ot reported
□perator Address□	□ot reported
□perator City□	□ot reported
□perator □tate□	□ot reported
□perator □ip□	□ot reported
□perator Contact□	□ot reported
□perator Contact Title□	□ot reported
□perator Contact □hone□	□ot reported
□perator Contact □hone □□t□	□ot reported
□perator Contact □mail□	□ot reported
□perator Type□	□ot reported
□eveloper□	□ot reported
□eveloper Address□	□ot reported

V & M AEROSPACE LLC (Continued) **1000122990**

□eveloper City□	□ot reported
□eveloper □tate□	□ot reported
□eveloper □ip□	□ot reported
□eveloper Contact□	□ot reported
□eveloper Contact Title□	□ot reported
Constype □inear Utility Ind□	□ot reported
□mergency □hone□	□ot reported
□mergency □hone □□t□	□ot reported
Constype A□ove □round Ind□	□ot reported
Constype □elow □round Ind□	□ot reported
Constype Ca□le □ine Ind□	□ot reported
Constype Comm □ine Ind□	□ot reported
Constype Commertial Ind□	□ot reported
Constype □lectrical □ine Ind□	□ot reported
Constype □as □ine Ind□	□ot reported
Constype Industrial Ind□	□ot reported
Constype □ther □escription□	□ot reported
Constype □ther Ind□	□ot reported
Constype Recons Ind□	□ot reported
Constype Residential Ind□	□ot reported
Constype Transport Ind□	□ot reported
Constype Utility □escription□	□ot reported
Constype Utility Ind□	□ot reported
Constype □ ater □ewer Ind□	□ot reported
□ir □ischarge Uswater Ind□	□ot reported
Receiving □ ater □ame□	□ot reported
Certifier□	□ot reported
Certifier Title□	□ot reported
Certification □ate□	□ot reported
□rimary □ic□	□ot reported
□econdary □ic□	□ot reported
Tertiary □ic□	□ot reported

□□□□□ □um□er□	□ot reported
□tatus□	□ot reported
Agency □um□er□	□ot reported
Region□	□
Regulatory Measure I□□	□□□□□□
□rder □um□er□	□ot reported
Regulatory Measure Type□	Industrial
□lace I□□	□ot reported
□ □I□□	□ □□I□□□□□□
□rogram Type□	□ot reported
Adoption □ate □f Regulatory Measure□	□ot reported
□ffective □ate □f Regulatory Measure□	□ot reported
□□piration □ate □f Regulatory Measure□	□ot reported
Termination □ate □f Regulatory Measure□	□□□□□□□□□□
□ischarge □ame□	□ot reported
□ischarge Address□	□ot reported
□ischarge City□	□ot reported
□ischarge □tate□	□ot reported
□ischarge □ip□	□ot reported
Received □ate□	□□□□□□□□□□
□rocessed □ate□	□□□□□□□□□□
□tatus□	Terminated
□tatus □ate□	□□□□□□□□□□
□lace □i□e□	□□□□□

V & M AEROSPACE LLC (Continued) **1000122990**

lace i e Unit	Ft
Contact	FF a iak
Contact Title	ot reported
Contact hone	
Contact hone t	ot reported
Contact mail	t ucanrs aol.com
perator ame	M lating Co
perator Address	Avalon lvd
perator City	os Angeles
perator tate	California
perator ip	
perator Contact	eff a iak
perator Contact Title	Manager
perator Contact hone	
perator Contact hone t	ot reported
perator Contact mail	t ucanrs aol.com
perator Type	rivate usiness
eveloper	ot reported
eveloper Address	ot reported
eveloper City	ot reported
eveloper tate	California
eveloper ip	ot reported
eveloper Contact	ot reported
eveloper Contact Title	ot reported
Constype inear Utility Ind	ot reported
mergency hone	
mergency hone t	ot reported
Constype A ove round Ind	ot reported
Constype elow round Ind	ot reported
Constype Ca le ine Ind	ot reported
Constype Comm ine Ind	ot reported
Constype Commertial Ind	ot reported
Constype lectrical ine Ind	ot reported
Constype as ine Ind	ot reported
Constype Industrial Ind	ot reported
Constype ther escription	ot reported
Constype ther Ind	ot reported
Constype Recons Ind	ot reported
Constype Residential Ind	ot reported
Constype Transport Ind	ot reported
Constype Utility escription	ot reported
Constype Utility Ind	ot reported
Constype ater ewer Ind	ot reported
ir ischarge Uswater Ind	
Receiving ater ame	acific ean
Certifier	effrey a iak
Certifier Title	Manager
Certification ate	A
rimary ic	lectroplating, lating, olishing, Anodi ing, and Coloring
econdary ic	ot reported
Tertiary ic	ot reported

ame	M ATI C
Address	Avalon lvd
City	A

V & M AEROSPACE LLC (Continued) **1000122990**

Facility I□□	□ □□I□□□□□□□
Facility Type□	Industrial □Facility that treats and□or disposes of li□uid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship □uilding and repairing, oil production, storage and disposal operations, water pumping.
Facility □tatus□	Active □Any facility with a continuous or seasonal discharge that is under □ aste □ischarge Re□uirements.
□□□□□ □um□er□	CA□□□□□□□ The □st □ characters designate the state. The remaining □ are assigned □y the Regional □oard
□u□region□	□
Facility Telephone□	□□□□□□□□□□□
Facility Contact□	□□FFR□□ □A□IA□
Agency □ame□	□ □ M □□ATI□□ C□
Agency Address□	□□□□□ Avalon □lvd
Agency City,□t,□ip□	□os Angeles □□□□□□□□□□
Agency Contact□	A□TH□□□ □A□IA□
Agency Telephone□	□□□□□□□□□□□
Agency Type□	□rivate
□IC Code□	□
□IC Code □□	□ot reported
□rimary □ aste Type□	□ot reported
□rimary □ aste□	□ot reported
□ aste Type□□	□ot reported
□ aste□□	□ot reported
□rimary □ aste Type□	□ot reported
□econdary □ aste□	□ot reported
□econdary □ aste Type□□	□ot reported
□esign Flow□	□
□aseline Flow□	□
Reclamation□	□ot reported
□□T□ □	□ot reported
Treat To □ ater□	Minor Threat to □ ater □uality. A violation of a regional □oard order should cause a relatively minor impairment of □eneficial uses compared to a ma□or or minor threat. □ot□All nurds without a TT□ □ will □e considered a minor threat to water □uality unless coded at a higher □evel. A □ero □□□may □e used to code those □UR□□ that are found to represent no threat to water □uality.
Comple□ity□	Category C □Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through □est management practices, facilities with passive waste treatment and disposal systems, such as septic systems with su□surface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CI□ □□□

□ame□	□ M □□ATI□□ C□
Address□	□□□□□ A□A□□ □ □□□□
City,□tate,□ip□	□□ □ A□□ □□□□, CA □□□□□
Agency□	□ M □lating Co
Agency Address□	□□□□□ Avalon □lvd, □os Angeles, CA □□□□□
□lace□□ro□ect Type□	Industrial □□lectroplating, □lating, □olishing, Anodi□ing, and Coloring
□IC□□AIC□□	□□□□
Region□	□
□rogram□	I□□□T□

V & M AEROSPACE LLC (Continued) **1000122990**

Regulatory Measure □tatus□	Terminated
Regulatory Measure Type□	□torm water industrial
□rder □um□er□	□□□□□□□□□□□□□ □ □
□ □I□□	□ □□I□□□□□□□
□□□□□ □um□er□	CA□□□□□□□□
Adoption □ate□	□ot reported
□ffective □ate□	□□□□□□□□□□□□
Termination □ate□	□□□□□□□□□□□□
□□piration□Review □ate□	□ot reported
□esign Flow□	□ot reported
Ma□□r□Minor□	□ot reported
Comple□ity□	□ot reported
TT□ □□	□ot reported
□nforcement Actions within □ years□	□
□iolations within □ years□	□
□atitude□	□□.□□□□□□
□ongitude□	□□□□.□□□□□□

C□R□□

□ame□	□ □ M A□R□ □A□AC□ □□C
Address□	□□□□□□ A□A□□ □ □□□□
City,□tate,□ip□	□□ □ A□ □□□□□□, CA □□□□□□
□ite I□□	□□□□□□
C□R□ I□□	□□□□□□□M□□T□□□□□□
C□R□ □escription□	To□ic Release Inventory

Affiliation□

Affiliation Type □esc□	□arent Company
□ntity □ame□	□□□ARIA □R□ U□
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□
Affiliation □hone□	□ot reported

Affiliation Type □esc□	□u□lic Contact
□ntity □ame□	□□FF □A□IA□
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□

Affiliation Type □esc□	Company □fficial
□ntity □ame□	□eff □a□iak
□ntity Title□	Manager
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□
Affiliation □hone□	□ot reported

V & M AEROSPACE LLC (Continued) **1000122990**

Affiliation Type □esc□	Technical Contact
□ntity □ame□	□□FF □A□IA□
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□

L72 **V&M PLATING CO** **SEMS-ARCHIVE 1015732647**
WNW **14024 S AVALON BLVD** **RCRA-LQG CAD008335838**
1/4-1/2 **LOS ANGELES, CA 90061**
0.268 mi.
1415 ft. **Site 3 of 3 in cluster L**

Relative:
Higher

Actual:
122 ft.

□□M□ Archive□

□ite I□□	□□□□□□□□
□□A I□□	CA□□□□□□□□□□□
□ame□	□□M □□ATI□□ C□
Address□	□□□□□ □ A□A□□ □ □□□□
Address □□	□ot reported
City,□tate,□ip□	□□ □ A□ □□□□□, CA □□□□□
Cong □istrict□	□□
FI□□ Code□	□□□□□
FF□	□
□□□□	□ot on the □□□
□on □□□ □tatus□	□FRA□□□ite does not □ualify for the □□□ □ased on e□isting information

□□M□ Archive □etail□

Region□	□□
□ite I□□	□□□□□□□□
□□A I□□	CA□□□□□□□□□□□
□ite □ame□	□□M □□ATI□□ C□
□□□□	□
FF□	□
□U□	□□
Action Code□	□□
Action □ame□	ARCH □IT□
□□□□	□
□tart □ate□	□ot reported
Finish □ate□	□□□□□□□□□□□ □□□□□□□□□
□ual□	□ot reported
Current Action □ead□	□□A □erf In□Hse

Region□	□□
□ite I□□	□□□□□□□□
□□A I□□	CA□□□□□□□□□□□
□ite □ame□	□□M □□ATI□□ C□
□□□□	□
FF□	□
□U□	□□
Action Code□	□□
Action □ame□	□I□C□R□
□□□□	□
□tart □ate□	□□□□□□□□□□□ □□□□□□□□□
Finish □ate□	□□□□□□□□□□□ □□□□□□□□□

V&M PLATING CO (Continued) **1015732647**

□ual□ □ot reported
Current Action □ead□ □□A □erf

Region□ □□
□ite I□□ □□□□□□□□
□□A I□□ CA□□□□□□□□□□□
□ite □ame□ □□M □□ATI□□ C□
□□□□ □
FF□ □
□U□ □□
Action Code□ □A
Action □ame□ □A
□□□□ □
□tart □ate□ □□□□□□□□□□□□ □□□□□□□□□□
Finish □ate□ □□□□□□□□□□□□ □□□□□□□□□□
□ual□ □
Current Action □ead□ □t □erf

RCRA□□□ □ □
□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□□.□
Facility name□ □ □ M A□R□ □□AC□ □□C
Facility address□ □□□□□□ □ A□A□□ □
□□ □ A□ □ □□□□, CA □□□□□□□□□□
□□A I□□ CA□□□□□□□□□□□
Mailing address□ □ A□A□□ □
□□ □ A□ □ □□□□, CA □□□□□□□□□□
Contact□ □□□□ I□ C□ □□□RT
Contact address□ □ A□A□□ □
□□ □ A□ □ □□□□, CA □□□□□□□□□□
Contact country□ U□
Contact telephone□ □□□□□□□□□□□□□□
Contact email□ □□□□ I□.C□ □□□RT□ □A□ □MA□R□ □□AC□.C□M
□□A Region□ □□
□and type□ □rivate
Classification□ □arge □uantity □enerator
□escription□ Handler□generates □,□□□ kg or more of ha□ardous waste during any calendar month□or generates more than □ kg of acutely ha□ardous waste during any calendar month□or generates more than □□□ kg of any residue or contaminated soil, waste or other de□ris resulting from the cleanup of a spill, into or on any land or water, of acutely ha□ardous waste during any calendar month□or generates □ kg or less of acutely ha□ardous waste during any calendar month, and accumulates more than □ kg of acutely ha□ardous waste at any time□or generates □□□ kg or less of any residue or contaminated soil, waste or other de□ris resulting from the cleanup of a spill, into or on any land or water, of acutely ha□ardous waste during any calendar month, and accumulates more than □□□ kg of that material at any time

□wner□□ perator □ummary□
□wner□perator name□ □ □ M
□wner□perator address□ □ A□A□□ □
□□ □ A□ □ □□□□, CA □□□□□□
□wner□perator country□ U□
□wner□perator telephone□ □□□□□□□□□□□□□□
□wner□perator email□ □□□□ I□.C□ □□□RT□ □A□MA□R□ □□AC□.C□M

V&M PLATING CO (Continued) **1015732647**

□wner□operator fa□□ □□□□□□□□□□□□□□
□wner□operator e□tension□ □ot reported
□egal status□ □rivate
□wner□□perator Type□ □wner
□wner□□p start date□ □□□□□□□□□□□□ □□□□□□□□□□.
□wner□□p end date□ □ot reported

□wner□operator name□ □ □ M A□R□ □□AC□
□wner□operator address□ □ A□A□□ □
□□ □ A□ □ □□□□, CA □□□□□□
□wner□operator country□ U□
□wner□operator telephone□ □□□□□□□□□□□□□□
□wner□operator email□ □□□□ I□.C□ □□□RT□ □A□□MA□R□ □□AC□.C□M
□wner□operator fa□□ □ot reported
□wner□operator e□tension□ □ot reported
□egal status□ □rivate
□wner□□perator Type□ □perator
□wner□□p start date□ □□□□□□□□□□□□ □□□□□□□□□□.
□wner□□p end date□ □ot reported

Handler Activities □ummary□

U.□. importer of ha□ardous waste□	□o
Mi□ed waste □ha□. and radioactive□□	□o
Recycler of ha□ardous waste□	□o
Transporter of ha□ardous waste□	□o
Treater, storer or disposer of H□ □	□o
Underground in□ection activity□	□o
□n□site □urner e□emption□	□o
Furnace e□emption□	□o
Used oil fuel □urner□	□o
Used oil processor□	□o
User oil refiner□	□o
Used oil fuel marketer to □urner□	□o
Used oil □pecification marketer□	□o
Used oil transfer facility□	□o
Used oil transporter□	□o

Historical □enerators□

□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□□.□
□ite name□ □□M A□R□ □□AC□ □□C
Classification□ □arge □uantity □enerator

□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□□.□
□ite name□ □□M A□R□ □□AC□ □□C
Classification□ □arge □uantity □enerator

□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□□.□
□ite name□ □□M □□ATI□□ C□M□A□□
Classification□ □arge □uantity □enerator

□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□□.□
□ite name□ □□M □□ATI□□ C□.
Classification□ □arge □uantity □enerator

□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□□.□
□ite name□ □ □ M □□ATI□□ C□

V&M PLATING CO (Continued) **1015732647**

Classification□ □arge □uantity □enerator

□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□.□
□ite name□ □ □ M □□ATI□□ C□
Classification□ □mall □uantity □enerator

□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□.□
□ite name□ □ □ M □□ATI□□ C□
Classification□ □arge □uantity □enerator

□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□.□
□ite name□ □ □ M □□ATI□□
Classification□ □arge □uantity □enerator

□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□.□
□ite name□ □ □ M □□ATI□□ C□□
Classification□ □arge □uantity □enerator

□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□.□
□ite name□ □□M □□ATI□□ C□
Classification□ □arge □uantity □enerator

□ate form received □y agency□□□□□□□□□□□□ □□□□□□□□□.□
□ite name□ □ □ M □□ATI□□ C□
Classification□ □arge □uantity □enerator

Ha□ardous □ aste □ummary□

. □ aste code□ □□□
. □ aste name□ Alkaline solution □pH □□□.□□with metals □antimony, arsenic, □arium, □eryllium, cadmium, chromium, co□alt, copper, lead, mercury, moly□denum, nickel, selenium, silver, thallium, vanadium, and □inc□

. □ aste code□ □□□
. □ aste name□ Alkaline solution without metals □pH □ □□.□□

. □ aste code□ □□□
. □ aste name□ Unspecified a□ueous solution

. □ aste code□ □□□
. □ aste name□ □ff□specification, aged, or surplus inorganics

. □ aste code□ □□□
. □ aste name□ □ther inorganic solid waste

. □ aste code□ □□□
. □ aste name□ □ff□specification, aged, or surplus organics

. □ aste code□ □□□
. □ aste name□ Unspecified organic li□uid mi□ture

. □ aste code□ □□□
. □ aste name□ □ther organic solids

. □ aste code□ □□□
. □ aste name□ Contaminated soil from site clean□ups

V&M PLATING CO (Continued) **1015732647**

. □ aste code□ □□□
. □ aste name□ □i□uids with chromium □□I□□ □□□ mg□l

. □ aste code□ □□□
. □ aste name□ □i□uids with pH □ □

. □ aste code□ □□□
. □ aste name□ □i□uids with pH □ □ with metals

. □ aste code□ □□□□
. □ aste name□ I□ □ITA□□□ □ A□T□

. □ aste code□ □□□□
. □ aste name□ C□RR□ □I□□ □ A□T□

. □ aste code□ □□□□
. □ aste name□ AR□□□IC

. □ aste code□ □□□□
. □ aste name□ □ARIUM

. □ aste code□ □□□□
. □ aste name□ CA□MIUM

. □ aste code□ □□□□
. □ aste name□ CHR□MIUM

. □ aste code□ □□□□
. □ aste name□ □□A□

. □ aste code□ □□□□
. □ aste name□ M□RCUR□

□iennial Reports□

□ast □iennial Reporting □ear□□□□

Annual □ aste Handled□

□ aste code□ □□□□
□ aste name□ A □ A□T□ □ HICH HA□ A □H □F □□□□ THA□ □ □R □R□AT□R THA□ □□.□ I□ C□□□I□□R□□ T□ □□ A C□RR□□I□□ HA□AR□□U□ □ A□T□. □□□IUM H□□R□□I□□, A CAU□TIC □□□UTI□□ □ ITH A HI□H □H, I□ □FT□□ U□□□ □□ I□□U□TRI□□ T□ C□□A□ □R □□□R□A□□ □ART□. H□□R□CH□□RIC ACI□, A □□□UTI□□ □ ITH A □□□ □H, I□ U□□□ □□ MA□□ I□□U□TRI□□ T□ C□□A□ M□TA□ □ART□ □RI□R T□ □AI□TI□□. □ H□□ TH□□□ CAU□TIC □R ACI□ □□□UTI□□□ □□C□M□ C□□TAMI□AT□□ A□□ MU□T □□ □I□□□ □□□, TH□ □ A□T□ □ □U□□ □□ A C□RR□□I□□ HA□AR□□U□ □ A□T□.
Amount □□□s□□ □□□□□.□

□ aste code□ □□□□
□ aste name□ AR□□□IC
Amount □□□s□□ □□□□

□ aste code□ □□□□
□ aste name□ □ARIUM
Amount □□□s□□ □□□□

□ aste code□ □□□□
□ aste name□ CA□MIUM

V&M PLATING CO (Continued) **1015732647**

Amount □□□s□□ □□□□

□ aste code□ □□□□
□ aste name□ CHR□MIUM
Amount □□□s□□ □□□□□.□

□ aste code□ □□□□
□ aste name□ □□A□
Amount □□□s□□ □□□□□.□

Facility Has Received □otices of □iolations□
Regulation violated□ □ot reported
Area of violation□ □enerators □□re□transport
□ate violation determined□ □□□□□□□□□□□ □□□□□□□□□.□
□ate achieved compliance□ □□□□□□□□□□□ □□□□□□□□□.□
□iolation lead agency□ □tate
□nforcement action□ □ot reported
□nforcement action date□ □ot reported
□nf. disposition status□ □ot reported
□nf. disp. status date□ □ot reported
□nforcement lead agency□ □ot reported
□roposed penalty amount□ □ot reported
Final penalty amount□ □ot reported
□aid penalty amount□ □ot reported

Regulation violated□ □ot reported
Area of violation□ □enerators □□re□transport
□ate violation determined□ □□□□□□□□□□□ □□□□□□□□□.□
□ate achieved compliance□ □□□□□□□□□□□ □□□□□□□□□.□
□iolation lead agency□ □tate
□nforcement action□ □ot reported
□nforcement action date□ □ot reported
□nf. disposition status□ □ot reported
□nf. disp. status date□ □ot reported
□nforcement lead agency□ □ot reported
□roposed penalty amount□ □ot reported
Final penalty amount□ □ot reported
□aid penalty amount□ □ot reported

Regulation violated□ □ot reported
Area of violation□ □enerators □□re□transport
□ate violation determined□ □□□□□□□□□□□ □□□□□□□□□.□
□ate achieved compliance□ □ot reported
□iolation lead agency□ □tate
□nforcement action□ □ot reported
□nforcement action date□ □ot reported
□nf. disposition status□ □ot reported
□nf. disp. status date□ □ot reported
□nforcement lead agency□ □ot reported
□roposed penalty amount□ □ot reported
Final penalty amount□ □ot reported
□aid penalty amount□ □ot reported

Regulation violated□ □ot reported
Area of violation□ □enerators □□eneral
□ate violation determined□ □□□□□□□□□□□ □□□□□□□□□.□

V&M PLATING CO (Continued) **1015732647**

□ate achieved compliance□ □ot reported
□iolation lead agency□ □tate
□nforcement action□ □ot reported
□nforcement action date□ □ot reported
□nf. disposition status□ □ot reported
□nf. disp. status date□ □ot reported
□nforcement lead agency□ □ot reported
□roposed penalty amount□ □ot reported
Final penalty amount□ □ot reported
□aid penalty amount□ □ot reported

Regulation violated□ □ot reported
Area of violation□ □enerators □□re□transport
□ate violation determined□ □□□□□□□□□□□ □□□□□□□□□.□
□ate achieved compliance□ □ot reported
□iolation lead agency□ □tate
□nforcement action□ □ RITT□□ I□F□ RMA□
□nforcement action date□ □□□□□□□□□□□ □□□□□□□□□.□
□nf. disposition status□ □ot reported
□nf. disp. status date□ □ot reported
□nforcement lead agency□ □tate
□roposed penalty amount□ □ot reported
Final penalty amount□ □ot reported
□aid penalty amount□ □ot reported

Regulation violated□ □ot reported
Area of violation□ □enerators □Records□Reporting
□ate violation determined□ □□□□□□□□□□□ □□□□□□□□□.□
□ate achieved compliance□ □ot reported
□iolation lead agency□ □tate
□nforcement action□ □ RITT□□ I□F□ RMA□
□nforcement action date□ □□□□□□□□□□□ □□□□□□□□□.□
□nf. disposition status□ □ot reported
□nf. disp. status date□ □ot reported
□nforcement lead agency□ □tate
□roposed penalty amount□ □ot reported
Final penalty amount□ □ot reported
□aid penalty amount□ □ot reported

Regulation violated□ □ot reported
Area of violation□ □enerators □□re□transport
□ate violation determined□ □□□□□□□□□□□ □□□□□□□□□.□
□ate achieved compliance□ □□□□□□□□□□□ □□□□□□□□□.□
□iolation lead agency□ □□A
□nforcement action□ □ RITT□□ I□F□ RMA□
□nforcement action date□ □□□□□□□□□□□ □□□□□□□□□.□
□nf. disposition status□ □ot reported
□nf. disp. status date□ □ot reported
□nforcement lead agency□ □□A
□roposed penalty amount□ □ot reported
Final penalty amount□ □ot reported
□aid penalty amount□ □ot reported

Regulation violated□ □ot reported
Area of violation□ T□□ □Container Use and Management
□ate violation determined□ □□□□□□□□□□□ □□□□□□□□□.□
□ate achieved compliance□ □□□□□□□□□□□ □□□□□□□□□.□

V&M PLATING CO (Continued) **1015732647**

□iolation lead agency□ □□A
□nforcement action□ □ RITT□□ I□F□RMA□
□nforcement action date□ □□□□□□□□□□□□ □□□□□□□□□□.□
□nf. disposition status□ □ot reported
□nf. disp. status date□ □ot reported
□nforcement lead agency□ □□A
□roposed penalty amount□ □ot reported
Final penalty amount□ □ot reported
□aid penalty amount□ □ot reported

Regulation violated□ □ot reported
Area of violation□ T□□ I□□□eneral Facility □tandards
□ate violation determined□ □□□□□□□□□□□□ □□□□□□□□□□.□
□ate achieved compliance□ □□□□□□□□□□□□ □□□□□□□□□□.□
□iolation lead agency□ □□A
□nforcement action□ □ RITT□□ I□F□RMA□
□nforcement action date□ □□□□□□□□□□□□ □□□□□□□□□□.□
□nf. disposition status□ □ot reported
□nf. disp. status date□ □ot reported
□nforcement lead agency□ □□A
□roposed penalty amount□ □ot reported
Final penalty amount□ □ot reported
□aid penalty amount□ □ot reported

Regulation violated□ FR □□□□.□□□□□□.A
Area of violation□ □enerators □□eneral
□ate violation determined□ □□□□□□□□□□□□ □□□□□□□□□□.□
□ate achieved compliance□ □□□□□□□□□□□□ □□□□□□□□□□.□
□iolation lead agency□ □tate
□nforcement action□ □ot reported
□nforcement action date□ □ot reported
□nf. disposition status□ □ot reported
□nf. disp. status date□ □ot reported
□nforcement lead agency□ □ot reported
□roposed penalty amount□ □ot reported
Final penalty amount□ □ot reported
□aid penalty amount□ □ot reported

□valuation Action □ummary□
□valuation date□ □□□□□□□□□□□□ □□□□□□□□□□.□
□valuation□ C□M□□IA□C□ □□A□UATI□□ I□□□□CTI□□ □□□□□IT□
Area of violation□ □enerators □□re□transport
□ate achieved compliance□ □ot reported
□valuation lead agency□ □tate

□valuation date□ □□□□□□□□□□□□ □□□□□□□□□□.□
□valuation□ C□M□□IA□C□ □□A□UATI□□ I□□□□CTI□□ □□□□□IT□
Area of violation□ □enerators □□eneral
□ate achieved compliance□ □ot reported
□valuation lead agency□ □tate

□valuation date□ □□□□□□□□□□□□ □□□□□□□□□□.□
□valuation□ C□M□□IA□C□ □□A□UATI□□ I□□□□CTI□□ □□□□□IT□
Area of violation□ □ot reported
□ate achieved compliance□ □ot reported
□valuation lead agency□ □tate

V&M PLATING CO (Continued) **1015732647**

valuation date
valuation C M IA C A UATI I CTI IT
Area of violation ot reported
ate achieved compliance ot reported
valuation lead agency tate

valuation date
valuation C M IA C A UATI I CTI IT
Area of violation enerators re transport
ate achieved compliance
valuation lead agency tate

valuation date
valuation C M IA C A UATI I CTI IT
Area of violation enerators re transport
ate achieved compliance
valuation lead agency tate

valuation date
valuation C M IA C A UATI I CTI IT
Area of violation enerators Records Reporting
ate achieved compliance ot reported
valuation lead agency tate

valuation date
valuation C M IA C A UATI I CTI IT
Area of violation enerators re transport
ate achieved compliance ot reported
valuation lead agency tate

valuation date
valuation C M IA C A UATI I CTI IT
Area of violation enerators re transport
ate achieved compliance
valuation lead agency A

valuation date
valuation C M IA C A UATI I CTI IT
Area of violation T I eneral Facility tandards
ate achieved compliance
valuation lead agency A

valuation date
valuation C M IA C A UATI I CTI IT
Area of violation T Container Use and Management
ate achieved compliance
valuation lead agency A

valuation date
valuation C M IA C A UATI I CTI IT
Area of violation enerators eneral
ate achieved compliance
valuation lead agency tate Contractor rantee

J73 **ROTO-PROPERTY, INC.** **CPS-SLIC** **S103664143**
West **540 E ROSECRANS AVE** **EMI** **N/A**
1/4-1/2 **GARDENA, CA 90248** **HAZNET**
0.270 mi. **CERS**
1427 ft. **Site 8 of 8 in cluster J** **HWTS**

Relative: SLIC REG 2
Higher

Actual: Region: 2
118 ft. Facility Status: Remediation
SLIC: 0004
Substance: TCE (Trichloroethylene)
Staff: RG

SLIC:
Name: FORMER ATLAS COPCO COMPRESSORS
Address: 540 E ROSECRANS AVE
City,State,Zip: GARDENA, CA 90248
Region: STATE
Facility Status: **Open - Remediation**
Status Date: 08/01/2001
Global Id: T0607100004
Lead Agency: LA REGIONAL WATER QUALITY CONTROL BOARD
Lead Agency Case Number: Not reported
Latitude: 33.[illegible]
Longitude: -118.[illegible]
Case Type: Cleanup Program Site
Case Worker: RG
Local Agency: Not reported
RB Case Number: 400.0004
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Soil, Soil Vapor
Potential Contaminants of Concern: Benzene, Tetrachloroethylene (PCE), Trichloroethylene (TCE)
Site History: Atlas Copco Rotoflow Inc. manufactured radial inlet expanders, specializing in applications in the hydrocarbon processing industry, at this former facility in Gardena. In 2000, Atlas Copco North America Inc. has signed an agreement to sell Atlas Copco Rotoflow Inc. to [illegible] Power Systems. The former facility was demolished in 2000, and the site was vacate until 2000. The site is located in a mixed commercial and industrial area bordered on the east by Avalon Blvd., Rosecrans Avenue to the north, and various commercial and industrial manufacturing facilities to the west and south. Three active gas stations are located on the other three corners of the intersection of Avalon Blvd. and Rosecrans Avenue. The site is currently an operating single-story warehouse that was constructed in 2000, with an open interior (no office space). In addition, a vapor barrier was installed under the building, and consists of a 000-millimeter high-density polyethylene (HDPE) liner with a gravel bed beneath the HDPE liner that contains perforated piping attached to a vacuum system.

Click here to access the California GeoTracker records for this facility.

EMI:
Name: ROTO FLOW CORP
Address: 540 E ROSECRANS AVE
City,State,Zip: GARDENA, CA 90248
Year: 2000
County Code: 19

ROTO-PROPERTY, INC. (Continued) **S103664143**

Air □asin□	□C
Facility I□□	□□□□□□
Air □istrict □ame□	□C
□IC Code□	□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□
Reactive □rganic □ases Tons□□r□	□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

□ame□	R□T□F□□□ C□R□
Address□	□□□ □ R□□□CRA□□ A□
City,□tate,□ip□	□AR□□□A, CA □□□□□
□ear□	□□□□
County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□
Reactive □rganic □ases Tons□□r□	□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

HA□□□T□

□ame□	R□T□□□R□□□RT□, I□C.
Address□	□□□ □ R□□□CRA□□ A□□
Address □□	□ot reported
City,□tate,□ip□	□AR□□□A, CA □□□□□□□□□□
Contact□	□I□□□□ RU□□□□□
Telephone□	□□□□□□□□□□
Mailing □ame□	□ot reported
Mailing Address□	□□□□ CH□□A□□A□□ □R □T□ □□□
□ear□	□□□□
□epaid□	CAC□□□□□□□□□
T□□ □□A I□□	CA□□□□□□□□□□
CA □ aste Code□	□□□ □□ther empty containers □□ gallons or more
□isposal Method□	H□□□ □□torage, □ulking, And□□r Transfer □ff □ite□□□o
	Treatment□Reovery □H□□□□H□□□□□r □H□□□□H□□□□
Tons□	□.□□□□

C□R□□

□ame□	F□RM□R AT□A□ C□□C□ R□T□T□□□

ROTO-PROPERTY, INC. (Continued) **S103664143**

Address□ □□□ □ R□ □□CRA□□ A□□
City,□tate,□ip□ □AR□□□A, CA □□□□□
□ite I□□ □□□□□□□
C□R□ I□□ □□□□□□U□□□□
C□R□ □escription□ Cleanup □rogram □ite

Affiliation□
Affiliation Type □esc□ Regional □oard Caseworker
□ntity □ame□ R□□RT □H□ □□□ A□□□□□ R□ □C□ □R□□ I□ □ □□
□ntity Title□ □ot reported
Affiliation Address□ □□□ □ □TH □T., □UIT□ □□□
Affiliation City□ □□ A□□□□□
Affiliation □tate□ CA
Affiliation Country□ □ot reported
Affiliation □ip□ □ot reported
Affiliation □hone□ □ot reported

H□ T□□
□ame□ R□T□ □R□ □RT□, I□C.
Address□ □□□ □ R□ □CRA□□ A□□
Address □□ □ot reported
City,□tate,□ip□ □AR□□□A, CA □□□□□□□□□
□□A I□□ CAC□□□□□□□□□
Inactive □ate□ □□□□□□□□□
Create □ate□ □□□□□□□□□
□ast Act □ate□ □□□□□□□□□
Mailing □ame□ □ot reported
Mailing Address□ □□□□ CH□□A□□A□□ □R □T□ □□□
Mailing Address □□ □ot reported
Mailing City,□tate,□ip□ □A□ □I□□□, CA □□□□□□□□□
□wner □ame□ AT□A□ C□□C□ □□RTH AM□RICA □□C
□wner Address□ □□ MA□□□ A□□
□wner Address □□ □ot reported
□wner City,□tate,□ip□ □I□□ □R□□□, □□ □□□□□□□□□
Contact □ame□ □I□□□□ RU□□□□□
Contact Address□ □□□□ CH□□A□□A□□ □R □T□ □□□
Contact Address □□ □ot reported
City,□tate,□ip□ □A□ □I□□□, CA □□□□□□□□□

□AIC□□
□□A I□□ CAC□□□□□□□□□
Create □ate□ □□□□□□□□□□ □□□□□□□□
□AIC□ Code□ □□□□□□
□AIC□ □escription□ Air □urification □□uipment Manufacturing
Issued □□A I□ □ate□ □□□□□□□□□□ □□□□□□□□
Inactive □ate□ □□□□□□□□□□ □□□□□□□□
Facility □ame□ R□T□ □R□ □RT□, I□C.
Facility Address□ □□□ □ R□ □CRA□□ A□□
Facility Address □□ □ot reported
Facility City□ □AR□□□A
Facility County□ □□
Facility □tate□ CA
Facility □ip□ □□□□□□□□□

M74 **GOLDBERG METAL REFINING** **ENVIROSTOR** **S120052846**
SW **14700 SOUTH AVALON BOULEVARD** **N/A**
1/4-1/2 **GARDENA, CA 90248**
0.293 mi.
1548 ft. **Site 1 of 4 in cluster M**

Relative: IR T R
Lower

Actual: **102 ft.**

ame	R M TA R FI I
Address	UTH A A U AR
City,tate,ip	AR A, CA
Facility I	
tatus	o Action Re uired
tatus ate	
ite Code	
ite Type	valuation
ite Type etailed	valuation
Acres	.
Regulatory Agencies	M R
ead Agency	M R
rogram Manager	regory haffer
upervisor	ileen Mananian
ivision ranch	Cleanup Cypress
Assem ly	
enate	
pecial rogram	A A I
Restricted Use	
ite Mgmt Re	CIFI
Funding	A rant
atitude	.
ongitude	.
A	CIFI
ast Use	F U R
otential C C	ead
Confirmed C C	
otential escription	I
Alias ame	
Alias Type	ro ect Code ite Code
Alias ame	
Alias Type	nvirostor I um er

Completed Info

Completed Area ame	R CT I
Completed u Area ame	ot reported
Completed ocument Type	A I ite creening
Completed ate	
Comments	ot reported
Future Area ame	ot reported
Future u Area ame	ot reported
Future ocument Type	ot reported
Future ue ate	ot reported
chedule Area ame	ot reported
chedule u Area ame	ot reported
chedule ocument Type	ot reported
chedule ue ate	ot reported
chedule Revised ate	ot reported

M75 **CHEMTRANS** **ENVIROSTOR** **S100932271**
SW **14700 S AVALON BLVD** **LOS ANGELES CO. HMS** **N/A**
1/4-1/2 **GARDENA, CA 90248** **WDS**
0.293 mi.
1548 ft. **Site 2 of 4 in cluster M**

Relative: □□□IR□□T□R□
Lower

Actual:
102 ft.

□ame□	CH□MTRA□□
Address□	□□□□□ □. A□A□□ □□U□□□AR□
City,□tate,□ip□	□AR□□□A, CA □□□□□
Facility I□□	□□□□□□□□
□tatus□	Refer□□ther Agency
□tatus □ate□	□ot reported
□ite Code□	□ot reported
□ite Type□	Tiered □ermit
□ite Type □etailed□	Tiered □ermit
Acres□	□ot reported
□□□□	□□
Regulatory Agencies□	□□□□ □□□CIFI□□
□ead Agency□	□□□□ □□□CIFI□□
□rogram Manager□	□ot reported
□upervisor□	□ot reported
□ivision □ranch□	Cleanup Chatsworth
Assem□ly□	□□
□enate□	□□
□pecial □rogram□	□ot reported
Restricted Use□	□□
□ite Mgmt Re□□	□□□□ □□□CIFI□□
Funding□	□ot reported
□atitude□	□□.□□□□□□
□ongitude□	□□□□.□□□□
A□□□	□□□□ □□□CIFI□□
□ast Use□	□□□□ □□□CIFI□□
□otential C□ C□	□□□□ □□□CIFI□□
Confirmed C□ C□	□□□□ □□□CIFI□□
□otential □escription□	□□□□ □□□CIFI□□
Alias □ame□	CA□□□□□□□□□□
Alias Type□	□□A Identification □um□er
Alias □ame□	□□□□□□□□□□□□
Alias Type□	□□A □FR□ □□
Alias □ame□	□□□□□□□□
Alias Type□	□nvirostor I□ □um□er

Completed Info□

Completed Area □ame□	□ot reported
Completed □u□ Area □ame□	□ot reported
Completed □ocument Type□	□ot reported
Completed □ate□	□ot reported
Comments□	□ot reported
Future Area □ame□	□ot reported
Future □u□ Area □ame□	□ot reported
Future □ocument Type□	□ot reported
Future □ue □ate□	□ot reported
□chedule Area □ame□	□ot reported
□chedule □u□ Area □ame□	□ot reported
□chedule □ocument Type□	□ot reported
□chedule □ue □ate□	□ot reported
□chedule Revised □ate□	□ot reported

CHEMTRANS (Continued) **S100932271**

□□ A□□□□□□ C□. HM□□
□ame□ CH□MTRA□□
Address□ □□□□□ □ A□A□□ □ □□□□
City,□tate,□ip□ □AR□□□A, CA □□□□□□□□□□
Region□ □A
□ermit Category□ I
Facility Id□ □□□□□□□□I□□□□□□
Facility Type□ □□
Facility □tatus□ □ermit
Area□ □□
□ermit □um□er□ □□□□□□□□□□
□ermit □tatus□ □ermit

□ame□ CH□MTRA□□
Address□ □□□□□ □ A□A□□ □ □□□□
City,□tate,□ip□ □AR□□□A, CA □□□□□□□□□□
Region□ □A
□ermit Category□ □
Facility Id□ □□□□□□□□□□□□□□□□
Facility Type□ □□
Facility □tatus□ □ermit
Area□ □□
□ermit □um□er□ C□ I□□□□□□□
□ermit □tatus□ □ermit

□ame□ CH□MTRA□□
Address□ □□□□□ □ A□A□□ □ □□□□
City,□tate,□ip□ □AR□□□A, CA □□□□□□□□□□
Region□ □A
□ermit Category□ T
Facility Id□ □□□□□□□□□□□□□□□□
Facility Type□ □
Facility □tatus□ Removed
Area□ □□
□ermit □um□er□ □□□□□□□□□□
□ermit □tatus□ Removed

□ □□□
□ame□ CH□MTRA□□
Address□ □□□□□ □ Avalon □lvd
City□ □AR□□□A
Facility I□□ □ □□I□□□□□□□
Facility Type□ □ther □□oes not fall into the category of Municipal□□omestic, Industrial, Agricultural or □olid □aste □Class I, II or III□
Facility □tatus□ Active □Any facility with a continuous or seasonal discharge that is under □ aste □ischarge Re□uirements.
□□□□□ □um□er□ CA□□□□□□□ The □st □ characters designate the state. The remaining □ are assigned □y the Regional □oard
□u□region□ □
Facility Telephone□ □□□□□□□□□□□
Facility Contact□ □ohn □ukowski□□aul □ark
Agency □ame□ CH□MTRA□□
Agency Address□ □□□□□ □. Avalon □lvd.
Agency City,□t,□ip□ □ardena □□□□□
Agency Contact□ □ohn □ukowski□Reginald □athan
Agency Telephone□ □□□□□□□□□□□

CHEMTRANS (Continued) **S100932271**

Agency Type□	□rivate
□IC Code□	□□□□
□IC Code □□	□ot reported
□rimary □ aste Type□	Inert□nfluent or □olid □ astes that do not contain solu□le pollutants or organic wastes and have little adverse impact on water □uality. □uch wastes could cause tur□idity and siltation. Uncontaminated soils, ru□□le and concrete are e□amples of this category.
□rimary □ aste□	□T□ RM□
□ aste Type□□	□ot reported
□ aste□□	□tormwater Runoff
□rimary □ aste Type□	Inert□nfluent or □olid □ astes that do not contain solu□le pollutants or organic wastes and have little adverse impact on water □uality. □uch wastes could cause tur□idity and siltation. Uncontaminated soils, ru□□le and concrete are e□amples of this category.
□econdary □ aste□	□ot reported
□econdary □ aste Type□□	ot reported
□esign Flow□	□
□aseline Flow□	□
Reclamation□	□o reclamation re□uirements associated with this facility.
□□T□ □	The facility is not a □□T□ .
Treat To □ ater□	Minor Threat to □ ater □uality. A violation of a regional □oard order should cause a relatively minor impairment of □eneficial uses compared to a ma□or or minor threat. □ot□All nurds without a TT□ □ will □e considered a minor threat to water □uality unless coded at a higher □evel. A □ero □□□may □e used to code those □UR□□ that are found to represent no threat to water □uality.
Comple□ity□	Category C □Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through □est management practices, facilities with passive waste treatment and disposal systems, such as septic systems with su□surface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

M76 **COMPLETE CHARTER LINES (FORMER** **LUST** **S102428248**
WSW **14531 AVALON BLVD S** **Cortese** **N/A**
1/4-1/2 **ROSEWOOD, CA 90248** **CERS**
0.296 mi.
1563 ft. **Site 3 of 4 in cluster M**

Relative: □U□T R□□ □□
Lower

Actual:
104 ft.

Region□	□	
Regional □oard□	□□	
County□	□os Angeles	
Facility Id□	I□□□□□□	
□tatus□	Case Closed	
□u□stance□	□iesel	
□u□stance □uantity□	□ot reported	
□ocal Case □o□	□ot reported	
Case Type□	□oil	
A□atement Method Used at the □ite□		□ot reported
□lo□al I□□	T□□□□□□□□□□□	
□ □lo□al I□□	□ot reported	
□taff□	U□□	
□ocal Agency□	□□□□□	
Cross □treet□	C□ M□T□□ □□□□.	
□nforcement Type□	□ot reported	
□ate □eak □iscovered□	□□□□□□□□□	
□ate □eak First Reported□		□□□□□□□□□

COMPLETE CHARTER LINES (FORMER (Continued) **S102428248**

□ate □eak Record □ntered□	□□□□□□□□
□ate Confirmation □egan□	□ot reported
□ate □eak □topped□	□□□□□□□□
□ate Case □ast Changed on □ata□ase□	□□□□□□□□
□ate the Case was Closed□	□□□□□□□□
How □eak □iscovered□	□M
How □eak □topped□	□ot reported
Cause of □eak□	U□□
□eak □ource□	U□□
□perator□	□RUC□□R, CHAR□□□
□ ater □ystem□	□ot reported
□ ell □ame□	□ot reported
Appro□. □ist To □roduction □ ell □ft□	□□□□.□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□ource of Cleanup Funding□	U□□
□reliminary □ite Assessment □ orkplan □u□mitted□	□ot reported
□reliminary □ite Assessment □egan□	□□□□□□□□
□ollution Characteri□ation □egan□	□ot reported
Remediation □lan □u□mitted□	□ot reported
Remedial Action Underway□	□ot reported
□ost Remedial Action Monitoring □egan□	□ot reported
□nforcement Action □ate□	□ot reported
Historical Ma□ MT□□ □ate□	□ot reported
Hist Ma□ MT□□ Conc in □roundwater□	□ot reported
Hist Ma□ MT□□ Conc in □oil□	□ot reported
□ignificant Interim Remedial Action Taken□	□ot reported
□□ □ualifier□	□ot reported
□oil □ualifier□	□ot reported
□rgani□ation□	□ot reported
□wner Contact□	□ot reported
Responsi□le □arty□	C□M□□□T□ CHART□R □I□□□
R□ Address□	□□□□□□ □ A□A□□ □ □□, □AR□□□A CA □□□□□□
□rogram□	□U□T
□at□□ong□	□□.□□□□□□□□ □□□
□ocal Agency □taff□	□ot reported
□eneficial Use□	□ot reported
□riority□	□ot reported
Cleanup Fund Id□	□ot reported
□uspended□	□ot reported
Assigned □ame□	□ot reported
□ummary□	T□□C□ □ □□□□□□□□ CHAR□□□ □RUC□□R □TAT□□ □FI□A□ R□□□ RT□F□□ AT□□□ AR□ U□□, □□□□□ C□□ □UR□. U□T C□□A□U□ FU□□ □□□□□ □R□□I□U□ I□ □□□□□□□□□

□U□T□

□ame□	C□M□□□T□ CHART□R □I□□□ □F□RM□R
Address□	□□□□□ A□A□□ □ □□□□ □
City,□tate,□ip□	R□ □□□ □□□, CA □□□□□
□ead Agency□	□□ □ A□ □□□□ R□ □C□ □R□□I□□ □□
Case Type□	□U□T Cleanup □ite
□eo Track□	http□□□geotracker.water□oards.ca.gov□profile□report.asp□glo□al□id□T□□□□□□□□□□
□lo□al Id□	T□□□□□□□□□□
□atitude□	□□.□□□□□□□
□ongitude□	□□□□.□□□□□□□
□tatus□	Completed □Case Closed
□tatus □ate□	□□□□□□□□
Case □ orker□	□R
R□ Case □um□er□	I□□□□□□

COMPLETE CHARTER LINES (FORMER (Continued) **S102428248**

□ata□ase□s□

□ocal Agency□ □□□ A□□□□□□□ C□U□T□
File □ocation□ □ot reported
□ocal Case □um□er□ □ot reported
□otential Media Affect□ □oil
□otential Contaminants of Concern□ □iesel
□ite History□ □ot reported

□U□T□
□lo□al Id□ T□□□□□□□□□□□□
Contact Type□ □ocal Agency Caseworker
Contact □ame□ □□ H□ A□ U□□
□rgani□ation □ame□ □□□ A□□□□□□□ C□U□T□
Address□ □□□□ FR□M□□ T A□□
City□ A□HAM□RA
□mail□ □awu□o□ dpw.lacounty.gov
□hone □um□er□ □□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□□
Contact Type□ Regional □oard Caseworker
Contact □ame□ □U□ R□□□
□rgani□ation □ame□ □□□ A□□□□□□ R□ □C□ □R□□ I□□ □□
Address□ □□□□ . □TH □T., □UIT□ □□□□
City□ □os Angeles
□mail□ yrong□ water□oards.ca.gov
□hone □um□er□ □ot reported

□U□T□
□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□□□□□□□□□
Action□ □eak □iscovery

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□□□□□□□□□
Action□ □eak □topped

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□□□□□□□□□
Action□ □eak Reported

□U□T□
□lo□al Id□ T□□□□□□□□□□□□
□tatus□ □pen □Case □egin □ate
□tatus □ate□ □□□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□□
□tatus□ □pen □□ite Assessment
□tatus □ate□ □□□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□□
□tatus□ Completed □Case Closed
□tatus □ate□ □□□□□□□□□□□□

COMPLETE CHARTER LINES (FORMER (Continued) **S102428248**

C□ RT□□□□

□ame□	C□ M□□□T□ CHART□R □I□□□ □F□ RM□R
Address□	□□□□□ A□A□□ □ □□□□ □
City,□tate,□ip□	R□ □□□ □□□, CA □□□□□
Region□	C□ RT□□□
□nvirostor Id□	□ot reported
□lo□al I□□	T□□□□□□□□□□□
□ite□Facility Type□	□U□T C□□A□U□ □IT□
Cleanup □tatus□	C□ M□□□T□□ □CA□□ C□□ □□□
□tatus □ate□	□ot reported
□ite Code□	□ot reported
□atitude□	□ot reported
□ongitude□	□ot reported
□wner□	□ot reported
□nf Type□	□ot reported
□wat R□	□ot reported
Flag□	active
□rder □o□	□ot reported
□ aste □ischarge □ystem □o□	□ot reported
□ffective □ate□	□ot reported
Region □□	□ot reported
□ I□ Id□	□ot reported
□olid □ aste Id □o□	□ot reported
□ aste Management Uit □ame□	□ot reported
File □ame□	Active □pen

C□R□□

□ame□	C□ M□□□T□ CHART□R □I□□□ □F□ RM□R
Address□	□□□□□ A□A□□ □ □□□□ □
City,□tate,□ip□	R□ □□□ □□□, CA □□□□□
□ite I□□	□□□□□□
C□R□ I□□	T□□□□□□□□□□□
C□R□ □escription□	□eaking Underground □torage Tank Cleanup □ite

Affiliation□

Affiliation Type □esc□	□ocal Agency Caseworker
□ntity □ame□	□□ H□ A□ U□□ □□□ □ A□□□□□□ C□ U□ T□
□ntity Title□	□ot reported
Affiliation Address□	□□□ □ FR□M□□T A□□
Affiliation City□	A□HAM□RA
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□□□□□□□□□□□

Affiliation Type □esc□	Regional □oard Caseworker
□ntity □ame□	□U□ R□□□ □□□□ A□□□□□□ R□ □C□ □R□□ I□□ □□
□ntity Title□	□ot reported
Affiliation Address□	□□□ □ . □TH □T., □UIT□ □□□
Affiliation City□	□os Angeles
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

M77 **COMPLETE CHARTER LINES (F** **HIST CORTESE** **S105023871**
WSW **14531 AVALON** **N/A**
1/4-1/2 **GARDENA, CA**
0.296 mi.
1563 ft. **Site 4 of 4 in cluster M**

Relative: HIST CORTESE
Lower

edr_fname	C[illegible] CHART[illegible]
edr_fadd1	[illegible] A[illegible]
City,State,Zip	[illegible] A, CA
Region	CORTESE
Facility County Code	[illegible]
Reg By	[illegible]
Reg Id	[illegible]

Actual:
104 ft.

---

78 **PACIFIC SINTERED METALS** **ENVIROSTOR** **S118757454**
WNW **14000 AVALON BL** **N/A**
1/4-1/2 **LOS ANGELES, CA 90061**
0.296 mi.
1564 ft.

Relative: ENVIROSTOR
Higher

Name	PACIFIC [illegible]
Address	[illegible]
City,State,Zip	[illegible], CA [illegible]
Facility ID	[illegible]
Status	No Action Required
Status Date	Not reported
Site Code	Not reported
Site Type	Tiered Permit
Site Type Detailed	Tiered Permit
Acres	Not reported
[illegible]	[illegible]
Regulatory Agencies	[illegible]
Lead Agency	[illegible]
Program Manager	Not reported
Supervisor	Not reported
Division Branch	Cleanup Chatsworth
Assembly	[illegible]
Senate	[illegible]
Special Program	Not reported
Restricted Use	[illegible]
Site Mgmt Req	[illegible]
Funding	Not reported
Latitude	[illegible]
Longitude	[illegible]
APN	[illegible]
Past Use	[illegible]
Potential COC	[illegible]
Confirmed COC	[illegible]
Potential Description	[illegible]
Alias Name	CA[illegible]
Alias Type	[illegible] Identification Number
Alias Name	[illegible]
Alias Type	Envirostor ID Number

Completed Info:

Completed Area Name	[illegible]
Completed Sub Area Name	Not reported
Completed Document Type	Phase I Verification

PACIFIC SINTERED METALS (Continued) **S118757454**

Completed □ate□	□□□□□□□□□□□□
Comments□	Inspection report sent on □□□□□□□□□□□□
Future Area □ame□	□ot reported
Future □u□ Area □ame□	□ot reported
Future □ocument Type□	□ot reported
Future □ue □ate□	□ot reported
□chedule Area □ame□	□ot reported
□chedule □u□ Area □ame□	□ot reported
□chedule □ocument Type□	□ot reported
□chedule □ue □ate□	□ot reported
□chedule Revised □ate□	□ot reported

K79 **FORMER ACE MEDICAL COMPANY** **CPS-SLIC** **S125345840**
West **14131 S. AVALON BOULEVARD** **CERS** **N/A**
1/4-1/2 **LOS ANGELES, CA 90061**
0.308 mi.
1627 ft. **Site 5 of 6 in cluster K**

Relative:
Higher

Actual:
118 ft.

C□□□□□IC□

□ame□	F□ RM□R AC□ M□□ ICA□ C□ M□A□□
Address□	□□□□□□ □. A□A□□ □ □□ U□□□AR□
City,□tate,□ip□	□□ □ A□□□□□□, CA □□□□□
Region□	□TAT□
Facility Status:	**Open - Site Assessment**
□tatus □ate□	□□□□□□□□□□□□
□lo□al Id□	T□□□□□□□□□□□□
□ead Agency□	□□ □ A□□□□□□ R□ □C□ □R□□ I□□ □□
□ead Agency Case □um□er□	□ot reported
□atitude□	□□.□□□□□□
□ongitude□	□□□□.□□□□□□
Case Type□	Cleanup □rogram □ite
Case □ orker□	R□
□ocal Agency□	□ot reported
R□ Case □um□er□	□□□□
File □ocation□	□ot reported
□otential Media Affected□	A□uifer used for drinking water supply, Indoor Air, □ther □roundwater □uses other than drinking water□, □oil, □oil □apor
□otential Contaminants of Concern□	□ther □olvent or □on□□etroleum Hydrocar□on, Tetrachloroethylene □□C□□, Trichloroethylene □TC□□
□ite History□	□ot reported

Click here to access the California □eoTracker records for this facility□

C□R□□

□ame□	F□ RM□R AC□ M□□ ICA□ C□ M□A□□
Address□	□□□□□□ □. A□A□□ □ □□ U□□□AR□
City,□tate,□ip□	□□ □ A□□□□□□, CA □□□□□
□ite I□□	□□□□□□□
C□R□ I□□	T□□□□□□□□□□□□
C□R□ □escription□	Cleanup □rogram □ite

Affiliation□

Affiliation Type □esc□	Regional □oard Caseworker
□ntity □ame□	R□ □□RT □H□ □□□□ A□□□□□□□ R□ □C□ □R□□ I□□ □□
□ntity Title□	□ot reported
Affiliation Address□	□□□□ □ □TH □T., □UIT□ □□□
Affiliation City□	□□□ A□□□□□□□

FORMER ACE MEDICAL COMPANY (Continued) **S125345840**

Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

K80 **ACE MEDICAL COMPANY** **ENVIROSTOR** **S105689618**
West **14131 AVALON BLVD** **VCP** **N/A**
1/4-1/2 **LOS ANGELES, CA 90061**
0.308 mi.
1627 ft. **Site 6 of 6 in cluster K**

Relative: □□□IR□□T□R□
Higher

Actual:
118 ft.

□ame□	AC□ M□□ICA□ C□M□A□□
Address□	□□□□□ A□A□□ □ □□□□
City,□tate,□ip□	□□ □ A□□□□□□, CA □□□□□
Facility I□□	□□□□□□□□
□tatus□	□o Further Action
□tatus □ate□	□□□□□□□□□□
□ite Code□	□ot reported
□ite Type□	□oluntary Cleanup
□ite Type □etailed□	□oluntary Cleanup
Acres□	□.□
□□□□	□□
Regulatory Agencies□	□M□R□
□ead Agency□	□M□R□
□rogram Manager□	□ot reported
□upervisor□	Allan □la□a
□ivision □ranch□	Cleanup Chatsworth
Assem□ly□	□□
□enate□	□□
□pecial □rogram□	□oluntary Cleanup □rogram
Restricted Use□	□□
□ite Mgmt Re□□	□□□□ □□□CIFI□□
Funding□	Responsi□le □arty
□atitude□	□□.□□□□□□
□ongitude□	□□□□.□□□□
A□□□	□□□□□□□□□□□□□□, □□□□□□□□□□□□□□, □□□□□□□□□□□□, □□□□□□□□□□□□
□ast Use□	MA□UFACTURI□□ □□TH□R
□otential C□C□	□en□ene Tetrachloroethylene □□C□ □,□,□□Trichloroethane □TCA Trichloroethylene □TC□
Confirmed C□C□	□en□ene Tetrachloroethylene □□C□ □,□,□□Trichloroethane □TCA Trichloroethylene □TC□
□otential □escription□	□□I□, □□
Alias □ame□	□□□□□□□□□□□□□□
Alias Type□	A□□
Alias □ame□	□□□□□□□□□□□□□□
Alias Type□	A□□
Alias □ame□	□□□□□□□□□□□
Alias Type□	A□□
Alias □ame□	□□□□□□□□□□□
Alias Type□	A□□
Alias □ame□	□□□□□□□□□□□□□□
Alias Type□	□□A □FR□ □□
Alias □ame□	□□□□□□□□□
Alias Type□	□nvirostor I□ □um□er

Completed Info□

ACE MEDICAL COMPANY (Continued) **S105689618**

Completed Area □ame□	□R□ □□CT □ I□□
Completed □u□ Area □ame□	□ot reported
Completed □ocument Type□	□reliminary □ndangerment Assessment Report
Completed □ate□	□□□□□□□□□□□□
Comments□	□T□C completed review of the □reliminary □ndangerment Assessment under the □oluntary Cleanup □rogram. □T□C concurred with a □o Further Action determination.

Completed Area □ame□	□R□ □□CT □ I□□
Completed □u□ Area □ame□	□ot reported
Completed □ocument Type□	□□oluntary Cleanup Agreement Completion
Completed □ate□	□□□□□□□□□□□□
Comments□	R□'s signed an Agreement for a □□A

Future Area □ame□	□ot reported
Future □u□ Area □ame□	□ot reported
Future □ocument Type□	□ot reported
Future □ue □ate□	□ot reported
□chedule Area □ame□	□ot reported
□chedule □u□ Area □ame□	□ot reported
□chedule □ocument Type□	□ot reported
□chedule □ue □ate□	□ot reported
□chedule Revised □ate□	□ot reported

□C□□

□ame□	AC□ M□□ICA□ C□M□A□□
Address□	□□□□□ A□A□□ □□□□
City,□tate,□ip□	□□ □ A□□ □□□□, CA □□□□□
Facility I□□	□□□□□□□□
□ite Type□	□oluntary Cleanup
□ite Type □etail□	□oluntary Cleanup
□ite Mgmt. Re□.□	□□□□ □□□CIFI□□
Acres□	□.□
□ational □riorities □ist□	□□
Cleanup □versight Agencies□	□M□R□
□ead Agency□	□M□R□
□ead Agency □escription□	□T□C □□ite Cleanup □rogram
□ro□ect Manager□	□ot reported
□upervisor□	Allan □la□a
□ivision □ranch□	Cleanup Chatsworth
□ite Code□	□ot reported
Assem□ly□	□□
□enate□	□□
□pecial □rograms Code□	□oluntary Cleanup □rogram
□tatus□	□o Further Action
□tatus □ate□	□□□□□□□□□□□□
Restricted Use□	□□
Funding□	Responsi□le □arty
□at□□ong□	□□.□□□□□ □□□□□.□□□□
A□□□	□□□□□□□□□□□□, □□□□□□□□□□□□, □□□□□□□□□□□□, □□□□□□□□□□□□
□ast Use□	MA□UFACTURI□□ □□TH□R
□otential C□C□	□□□□□, □□□□□, □□□□□, □□□□□
Confirmed C□C□	□□□□□,□□□□□,□□□□□,□□□□□
□otential □escription□	□□ I□, □□
Alias □ame□	□□□□□□□□□□□□□□
Alias Type□	A□□
Alias □ame□	□□□□□□□□□□□□□□

ACE MEDICAL COMPANY (Continued) **S105689618**

Alias Type□	A□□
Alias □ame□	□□□□□□□□□□□
Alias Type□	A□□
Alias □ame□	□□□□□□□□□□□
Alias Type□	A□□
Alias □ame□	□□□□□□□□□□□□□
Alias Type□	□□A □FR□ □□
Alias □ame□	□□□□□□□□□
Alias Type□	□nvirostor I□ □um□er

Completed Info□

Completed Area □ame□	□R□ □□CT □ I□□
Completed □u□ Area □ame□	□ot reported
Completed □ocument Type□	□reliminary □ndangerment Assessment Report
Completed □ate□	□□□□□□□□□□□
Comments□	□T□C completed review of the □reliminary □ndangerment Assessment under the □oluntary Cleanup □rogram. □T□C concurred with a □o Further Action determination.

Completed Area □ame□	□R□ □□CT □ I□□
Completed □u□ Area □ame□	□ot reported
Completed □ocument Type□	□□oluntary Cleanup Agreement Completion
Completed □ate□	□□□□□□□□□□□
Comments□	R□'s signed an Agreement for a □□A

Future Area □ame□	□ot reported
Future □u□ Area □ame□	□ot reported
Future □ocument Type□	□ot reported
Future □ue □ate□	□ot reported
□chedule Area □ame□	□ot reported
□chedule □u□ Area □ame□	□ot reported
□chedule □ocument Type□	□ot reported
□chedule □ue □ate□	□ot reported
□chedule Revised □ate□	□ot reported

N81 **LAIDLAW TRANSIT GARDENA** **Cortese** **U003061176**
SW **14800 S AVALON BLVD** **LOS ANGELES CO. HMS** **N/A**
1/4-1/2 **GARDENA, CA 90248** **CERS**
0.330 mi.
1743 ft. **Site 1 of 3 in cluster N**

Relative: C□ RT□□□□
Lower

□ame□	□AI□□A□ □□UCATI□□A□ □□R□IC□□
Address□	□□□□□□ □ A□A□□□ □ □□□□
City,□tate,□ip□	□AR□□□A, CA □□□□□
Region□	C□ RT□□□
□nvirostor Id□	□ot reported
□lo□al I□□	T□□□□□□□□□□□□
□ite□Facility Type□	□U□T C□□A□U□ □IT□
Cleanup □tatus□	C□ M□□□T□□ □CA□□ C□□ □□□
□tatus □ate□	□ot reported
□ite Code□	□ot reported
□atitude□	□ot reported
□ongitude□	□ot reported
□wner□	□ot reported
□nf Type□	□ot reported
□wat R□	□ot reported
Flag□	active

LAIDLAW TRANSIT GARDENA (Continued) **U003061176**

□rder □o□	□ot reported
□ aste □ischarge □ystem □o□	□ot reported
□ffective □ate□	□ot reported
Region □□	□ot reported
□ I□ Id□	□ot reported
□olid □ aste Id □o□	□ot reported
□ aste Management Uit □ame□	□ot reported
File □ame□	Active □pen

□□ □ A□□□□□□ C□. HM□□

□ame□	□AI□□A□ TRA□□IT □AR□□□A
Address□	□□□□□ □ A□A□□ □ □□□□
City,□tate,□ip□	□AR□□□A, CA □□□□□□□□□□
Region□	□A
□ermit Category□	□
Facility Id□	□□□□□□□□□□□□□□□
Facility Type□	□□
Facility □tatus□	Closed
Area□	□□
□ermit □um□er□	C□ I□□□□□□□
□ermit □tatus□	Closed

□ame□	□AI□□A□ □□UCATI□□A□ □□R□IC□□
Address□	□□□□□ □ A□A□□ □ □□□□
City,□tate,□ip□	□AR□□□A, CA □□□□□□□□□□
Region□	□A
□ermit Category□	□
Facility Id□	□□□□□□□□□□□□□□□
Facility Type□	□□
Facility □tatus□	Closed
Area□	□□
□ermit □um□er□	□□□□□□□□□□
□ermit □tatus□	Closed

□ame□	□ACIFIC □□□R□□ R□□□□URC□□ □T□
Address□	□□□□□ □ A□A□□ □ □□□□
City,□tate,□ip□	□AR□□□A, CA □□□□□□□□□□
Region□	□A
□ermit Category□	I
Facility Id□	□□□□□□□□1□□□□□□
Facility Type□	□□
Facility □tatus□	Closed
Area□	□□
□ermit □um□er□	□□□□□□□□□□
□ermit □tatus□	Closed

□ame□	□ACIFIC □□□R□□ R□□□□URC□□ □T□
Address□	□□□□□ □ A□A□□ □ □□□□
City,□tate,□ip□	□AR□□□A, CA □□□□□□□□□□
Region□	□A
□ermit Category□	I
Facility Id□	□□□□□□□□1□□□□□□
Facility Type□	□□
Facility □tatus□	Closed
Area□	□□
□ermit □um□er□	□□□□□□□□□□
□ermit □tatus□	Closed

LAIDLAW TRANSIT GARDENA (Continued) **U003061176**

□ame□ □AI□□A□ □□UCATI□□A□□□R□IC□□
Address□ □□□□□□ □ A□A□□ □ □□□□
City,□tate,□ip□ □AR□□□A, CA □□□□□□□□□□
Region□ □A
□ermit Category□ □ot reported
Facility Id□ □□□□□□□□□□□□□□
Facility Type□ □ot reported
Facility □tatus□ □□□□
Area□ □□
□ermit □um□er□ □ot reported
□ermit □tatus□ □ot reported

C□R□□
□ame□ □AI□□A□ □□UCATI□□A□□□R□IC□□
Address□ □□□□□□ □ A□A□□ □ □□□□
City,□tate,□ip□ □AR□□□A, CA □□□□□□
□ite I□□ □□□□□□
C□R□ I□□ T□□□□□□□□□□□□
C□R□ □escription□ □eaking Underground □torage Tank Cleanup □ite

Affiliation□
Affiliation Type □esc□ Regional □oard Caseworker
□ntity □ame□ □IMMI□ □ □□ □□□□ A□□□□□□ R□ □C□ □R□□ I□□ □□
□ntity Title□ □ot reported
Affiliation Address□ □□□ □ □□T □TH □TR□□T, □UIT□ □□□
Affiliation City□ □□ □ A□□□□□□
Affiliation □tate□ CA
Affiliation Country□ □ot reported
Affiliation □ip□ □ot reported
Affiliation □hone□ □□□□□□□□□□

Affiliation Type □esc□ □ocal Agency Caseworker
□ntity □ame□ IH□A□ACH□ □F□ □□□□ A□□□□□□ C□U□T□
□ntity Title□ □ot reported
Affiliation Address□ □□□ □ FR□M□□T A□□
Affiliation City□ A□HAM□RA
Affiliation □tate□ CA
Affiliation Country□ □ot reported
Affiliation □ip□ □ot reported
Affiliation □hone□ □□□□□□□□□□

N82 **FIRST STUDENT INC 12477** **LUST** **1007738986**
SW **14800 S AVALON BLVD** **CPS-SLIC** **N/A**
1/4-1/2 **GARDENA, CA 90248** **FINDS**
0.330 mi. **ECHO**
1743 ft. **Site 2 of 3 in cluster N** **CERS**

Relative: □U□T□
Lower
Actual: □ame□ □AI□□A□ □□UCATI□□A□□□R□IC□□
99 ft. Address□ □□□□□□ □ A□A□□ □ □□□□
City,□tate,□ip□ □AR□□□A, CA □□□□□□
□ead Agency□ □□□ A□□□□□□ R□ □C□ □R□□ I□□ □□
Case Type□ □U□T Cleanup □ite
□eo Track□ http□□□geotracker.water□oards.ca.gov□profile□report.asp□glo□al□id□T□□□□□□□□□□□□
□lo□al Id□ T□□□□□□□□□□□□
□atitude□ □□.□□□□□□□
□ongitude□ □□□□.□□□□□□□

FIRST STUDENT INC 12477 (Continued) **1007738986**

□tatus□	Completed □Case Closed
□tatus □ate□	□□□□□□□□□□□□
Case □ orker□	□□
R□ Case □um□er□	R□□□□□□□
□ocal Agency□	□□□ A□□□□□□□ C□U□T□
File □ocation□	Regional □oard
□ocal Case □um□er□	□□□□□□□□□□□□□□□□
□otential Media Affect□	□oil
□otential Contaminants of Concern□	□iesel
□ite History□	□ot reported

□U□T□

□lo□al Id□	T□□□□□□□□□□□□□
Contact Type□	□ocal Agency Caseworker
Contact □ame□	IH□A□ACH□ □F□
□rgani□ation □ame□	□□□ A□□□□□□□ C□U□T□
Address□	□□□□ □ FR□M□□T A□□
City□	A□HAM□RA
□mail□	iofo□ dpw.lacounty.gov
□hone □um□er□	□□□□□□□□□□□

□lo□al Id□	T□□□□□□□□□□□□□
Contact Type□	Regional □oard Caseworker
Contact □ame□	□IMMI□ □ □□
□rgani□ation □ame□	□□□ A□□□□□□□ R□ □C□ □R□□I□□ □□
Address□	□□□□ □ □□T □TH □TR□□T, □UIT□ □□□□
City□	□□□ A□□□□□□□
□mail□	□woo□ water□oards.ca.gov
□hone □um□er□	□□□□□□□□□□□

□U□T□

□lo□al Id□	T□□□□□□□□□□□□□
Action Type□	R□□□□□□□□
□ate□	□□□□□□□□□□□□
Action□	□ther Report □□ocument

□lo□al Id□	T□□□□□□□□□□□□□
Action Type□	□□F□RC□M□□T
□ate□	□□□□□□□□□□□□
Action□	□ite □isit □Inspection □□ampling

□lo□al Id□	T□□□□□□□□□□□□□
Action Type□	R□□□□□□□□
□ate□	□□□□□□□□□□□□
Action□	□oil and □ ater Investigation □ orkplan

□lo□al Id□	T□□□□□□□□□□□□□
Action Type□	R□□□□□□□□
□ate□	□□□□□□□□□□□□
Action□	□oil and □ ater Investigation □ orkplan □Regulator Responded

□lo□al Id□	T□□□□□□□□□□□□□
Action Type□	R□□□□□□□□
□ate□	□□□□□□□□□□□□
Action□	□oil and □ ater Investigation □ orkplan □Regulator Responded

□lo□al Id□	T□□□□□□□□□□□□□

FIRST STUDENT INC 12477 (Continued) **1007738986**

Action Type R
ate
Action oil and ater Investigation Report Regulator Responded

lo al Id T
Action Type F RC M T
ate
Action otice of iolation

lo al Id T
Action Type F RC M T
ate
Action Health and afety Code ection .¢

lo al Id T
Action Type F RC M T
ate
Action taff etter

lo al Id T
Action Type F RC M T
ate
Action Health and afety Code ection .¢

lo al Id T
Action Type F RC M T
ate
Action Health and afety Code ection .¢

lo al Id T
Action Type F RC M T
ate
Action Referral to Regional oard

lo al Id T
Action Type F RC M T
ate
Action Technical Correspondence Assistance ther

lo al Id T
Action Type F RC M T
ate
Action taff etter

lo al Id T
Action Type F RC M T
ate
Action Closure o Further Action etter

lo al Id T
Action Type F RC M T
ate
Action otification reclosure

lo al Id T
Action Type R
ate

FIRST STUDENT INC 12477 (Continued) **1007738986**

Action□ □ther Report □□ocument

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □□F□RC□M□□T
□ate□ □□□□□□□□□□□□
Action□ Health and □afety Code □ection □□□□□.□□□¢□

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□□□□□
Action□ □ther Report □□ocument

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□□□□□
Action□ □ther Report □□ocument

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □□F□RC□M□□T
□ate□ □□□□□□□□□□□□
Action□ Health and □afety Code □ection □□□□□.□□□¢□

□lo□al Id□ T□□□□□□□□□□□□
Action Type□ □□F□RC□M□□T
□ate□ □□□□□□□□□□□□
Action□ □taff □etter

□U□T□

□lo□al Id□ T□□□□□□□□□□□□
□tatus□ □pen □Case □egin □ate
□tatus □ate□ □□□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□□
□tatus□ □pen □□ite Assessment
□tatus □ate□ □□□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□□
□tatus□ □pen □Referred
□tatus □ate□ □□□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□□
□tatus□ □pen □□ite Assessment
□tatus □ate□ □□□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□□
□tatus□ Completed □Case Closed
□tatus □ate□ □□□□□□□□□□□□

C□□□□□□IC□

□ame□ □AR□□□A □I□C□.
Address□ □□□□□ □. A□A□□ □□□□
City,□tate,□ip□ □AR□□□A, CA □□□□□
Region□ □TAT□
Facility Status: **Completed - Case Closed**
□tatus □ate□ □□□□□□□□□□□□

FIRST STUDENT INC 12477 (Continued) **1007738986**

□lo□al Id□	□□T□□□□□□□□
□ead Agency□	□□ A□□□□□□ R□ □C□ □R□□ I□ □□
□ead Agency Case □um□er□	□ot reported
□atitude□	□□.□□□□
□ongitude□	□□□□.□□□□□
Case Type□	Cleanup □rogram □ite
Case □ orker□	□ot reported
□ocal Agency□	□ot reported
R□ Case □um□er□	□□□□
File □ocation□	□ot reported
□otential Media Affected□	□ot reported
□otential Contaminants of Concern□	□ot reported
□ite History□	□ot reported

Click here to access the California □eoTracker records for this facility□

FI□□□□
Registry I□□ □□□□□□□□□□□□□

Click Here□

□nvironmental Interest□nformation □ystem□
U□ □ational □ollutant □ischarge □limination □ystem □□□□□□□module of the Compliance Information □ystem □ICI□□tracks surface water permits issued under the Clean □ ater Act. Under □□□□□, all facilities that discharge pollutants from any point source into waters of the United □tates are re□uired to o□tain a permit. The permit will likely contain limits on what can □e discharged, impose monitoring and reporting re□uirements, and include other provisions to ensure that the discharge does not adversely affect water □uality.
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 ha□ardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities re□uired under RCRA.
□TAT□ MA□T□R
Registry I□□ □□□□□□□□□□□□□

Click Here□

□nvironmental Interest□nformation □ystem□
California Ha□ardous □ aste Tracking □ystem □□atamart □H□ T□□□□ATAMART□ provides California with information on ha□ardous 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 ha□ardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities re□uired under RCRA.
□TAT□ MA□T□R

Click this hyperlink while viewing on your computer to access additional FI□□□□detail in the □□R □ite Report.

□CH□□

FIRST STUDENT INC 12477 (Continued) **1007738986**

□nvid□	□□□□□□□□□□□□
Registry I□□	□□□□□□□□□□□□□□□
□FR UR□□	http□□□echo.epa.gov□detailed□facility□report□fid□□□□□□□□□□□□□□□
□ame□	□AI□□A□ □□UCATI□□ □□R□IC□□ I□C
Address□	□□□□□□ □ A□A□□□ □□□□
City,□tate,□ip□	□AR□□□A, CA □□□□□□

□nvid□	□□□□□□□□□□□□
Registry I□□	□□□□□□□□□□□□□□□
□FR UR□□	http□□□echo.epa.gov□detailed□facility□report□fid□□□□□□□□□□□□□□□
□ame□	FIR□T □TU□□□T I□C □□□□□□
Address□	□□□□□□ □ A□A□□□ □□□□
City,□tate,□ip□	□AR□□□A, CA □□□□□□

C□R□□

□ame□	□AR□□□A □I□ C□.
Address□	□□□□□□ □. A□A□□□ □□□□
City,□tate,□ip□	□AR□□□A, CA □□□□□□
□ite I□□	□□□□□□□
C□R□ I□□	□□T□□□□□□□□
C□R□ □escription□	Cleanup □rogram □ite

83
ENE
1/4-1/2
0.334 mi.
1762 ft.

DONGAREY EQUIPMENT RENTALS
14011 CENTRAL AVE N
COMPTON, CA 90222

LUST
Cortese
HIST CORTESE
CERS

S103891150
N/A

Relative:
Lower

Actual:
106 ft.

□U□T R□□ □□

Region□	□	
Regional □oard□	□□	
County□	□os Angeles	
Facility Id□	I□□□□□□	
□tatus□	Case Closed	
□u□stance□	□asoline	
□u□stance □uantity□	□ot reported	
□ocal Case □o□	□ot reported	
Case Type□	□oil	
A□atement Method Used at the □ite□		□ot reported
□lo□al I□□	T□□□□□□□□□□	
□ □lo□al I□□	□ot reported	
□taff□	U□□	
□ocal Agency□	□□□□□	
Cross □treet□	□□□□ □ □T	
□nforcement Type□	Informal □nforcement Actions,including □otices of □iolations and □taff □nforcement □etters	
□ate □eak □iscovered□	□□□□□□□□□	
□ate □eak First Reported□		□□□□□□□□□
□ate □eak Record □ntered□	□□□□□□□□□	
□ate Confirmation □egan□	□ot reported	
□ate □eak □topped□	□□□□□□□□□	
□ate Case □ast Changed on □ata□ase□		□□□□□□□□□
□ate the Case was Closed□		□□□□□□□□□
How □eak □iscovered□	Tank Closure	
How □eak □topped□	□ot reported	
Cause of □eak□	U□□	
□eak □ource□	U□□	
□perator□	□ IT□M□R, □I□□	

DONGAREY EQUIPMENT RENTALS (Continued) **S103891150**

□ ater □ystem□	□ot reported
□ ell □ame□	□ot reported
Appro□. □ist To □roduction □ ell □ft□□	□□□□□.□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□ource of Cleanup Funding□	U□□
□reliminary □ite Assessment □ orkplan □u□mitted□□	□ot reported
□reliminary □ite Assessment □egan□	□□□□□□□□
□ollution Characteri□ation □egan□	□ot reported
Remediation □lan □u□mitted□	□ot reported
Remedial Action Underway□	□□□□□□□□
□ost Remedial Action Monitoring □egan□	□ot reported
□nforcement Action □ate□	□□□□□□□□
Historical Ma□ MT□□ □ate□	□ot reported
Hist Ma□ MT□□ Conc in □roundwater□	□ot reported
Hist Ma□ MT□□ Conc in □oil□	□ot reported
□ignificant Interim Remedial Action Taken□	□ot reported
□□ □ualifier□	□ot reported
□oil □ualifier□	□ot reported
□rgani□ation□	□ot reported
□wner Contact□	□ot reported
Responsi□le □arty□	A□□□ □UT□ M□T I□C.
R□ Address□	□□□□ □U□□□C □ A□ □., □T□. □□□, □□□□□R, C□ □□□□□
□rogram□	□U□T
□at□□ong□	□□.□□□□□□□ □□□
□ocal Agency □taff□	□ot reported
□eneficial Use□	□ot reported
□riority□	□ot reported
Cleanup Fund Id□	□ot reported
□uspended□	□ot reported
Assigned □ame□	□ot reported
□ummary□	□□□ CA□□ □□□□□□□□□□□

□U□T□

□ame□	□□□□AR□□ □□UI□M□□T R□□TA□□
Address□	□□□□□□ C□□TRA□ A□□ □
City,□tate,□ip□	C□ M□T□□, CA □□□□□□
□ead Agency□	□□□ A□□□□□□ C□U□T□
Case Type□	□U□T Cleanup □ite
□eo Track□	http□□□geotracker.water□oards.ca.gov□profile□report.asp□glo□al□id□T□□□□□□□□□□□
□lo□al Id□	T□□□□□□□□□□□□
□atitude□	□□.□□□□□□□□
□ongitude□	□□□□.□□□□□□□□
□tatus□	Completed □Case Closed
□tatus □ate□	□□□□□□□□□□
Case □ orker□	□□A
R□ Case □um□er□	I□□□□□□□
□ocal Agency□	□□□ A□□□□□□ C□U□T□
File □ocation□	□ot reported
□ocal Case □um□er□	□ot reported
□otential Media Affect□	□oil
□otential Contaminants of Concern□	□asoline
□ite History□	□ot reported

□U□T□

□lo□al Id□	T□□□□□□□□□□□□
Contact Type□	□ocal Agency Caseworker
Contact □ame□	□□H□ A□ U□□
□rgani□ation □ame□	□□□ A□□□□□□ C□U□T□

DONGAREY EQUIPMENT RENTALS (Continued) **S103891150**

Address□ □□□ □ FR□M□□T A□□
City□ A□HAM□RA
□mail□ □awu□o□ dpw.lacounty.gov
□hone □um□er□ □□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□
Contact Type□ Regional □oard Caseworker
Contact □ame□ □U□ R□□□
□rgani□ation □ame□ □□ □ A□□ □□□□ R□ □C□ □R□□ I□□ □□
Address□ □□□ □ . □TH □T., □UIT□ □□□
City□ □os Angeles
□mail□ yrong□ water□oards.ca.gov
□hone □um□er□ □ot reported

□U□T□
□lo□al Id□ T□□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□/□□/□□□□
Action□ □eak □iscovery

□lo□al Id□ T□□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□/□□/□□□□
Action□ □eak □topped

□lo□al Id□ T□□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□/□□/□□□□
Action□ □eak Reported

□U□T□
□lo□al Id□ T□□□□□□□□□□□
□tatus□ □pen □Case □egin □ate
□tatus □ate□ □□□□/□□/□□□□

□lo□al Id□ T□□□□□□□□□□□
□tatus□ □pen □□ite Assessment
□tatus □ate□ □□□□/□□/□□□□

□lo□al Id□ T□□□□□□□□□□□
□tatus□ □pen □Remediation
□tatus □ate□ □□□□/□□/□□□□

□lo□al Id□ T□□□□□□□□□□□
□tatus□ Completed □Case Closed
□tatus □ate□ □□□□/□□/□□□□

C□RT□□□□
□ame□ □□ □□ AR□□ □□ UI□M□□T R□□TA□□
Address□ □□□□□ C□□TRA□ A□□ □
City,□tate,□ip□ C□M□T□ □, CA □□□□□
Region□ C□RT□□□
□nvirostor Id□ □ot reported
□lo□al I□□ T□□□□□□□□□□□
□ite□Facility Type□ □U□T C□□A□U□ □IT□

DONGAREY EQUIPMENT RENTALS (Continued) **S103891150**

Cleanup □tatus□	C□ M□□□T□□ □CA□□ C□□ □□□
□tatus □ate□	□ot reported
□ite Code□	□ot reported
□atitude□	□ot reported
□ongitude□	□ot reported
□wner□	□ot reported
□nf Type□	□ot reported
□wat R□	□ot reported
Flag□	active
□rder □o□	□ot reported
□ aste □ischarge □ystem □o□	□ot reported
□ffective □ate□	□ot reported
Region □□	□ot reported
□ I□ Id□	□ot reported
□olid □ aste Id □o□	□ot reported
□ aste Management Uit □ame□	□ot reported
File □ame□	Active □pen

HI□T C□ RT□□□□

edr□fname□	□□□□AR□□ □□UI□M□□T R□□TA□
edr□fadd□□	□□□□□□ C□□TRA□
City,□tate,□ip□	C□ M□T□ □, CA □□□□□□
Region□	C□ RT□□□
Facility County Code□	□□
Reg □y□	□T□□A
Reg Id□	I□□□□□□

C□R□□

□ame□	□□□□AR□□ □□UI□M□□T R□□TA□□
Address□	□□□□□□ C□□TRA□ A□□ □
City,□tate,□ip□	C□ M□T□ □, CA □□□□□□
□ite I□ □	□□□□□□□
C□R□ I□ □	T□□□□□□□□□□□
C□R□ □escription□	□eaking Underground □torage Tank Cleanup □ite

Affiliation□

Affiliation Type □esc□	□ocal Agency Caseworker
□ntity □ame□	□□ H□ A□ U□□ □□□ □ A□□□□□□ C□ U□T□
□ntity Title□	□ot reported
Affiliation Address□	□□□ □ FR□M□□T A□□
Affiliation City□	A□HAM□RA
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□□□□□□□□□□

Affiliation Type □esc□	Regional □oard Caseworker
□ntity □ame□	□U□ R□□□ □□□ A□□□□□□ R□ □C□ □R□□I□□ □□
□ntity Title□	□ot reported
Affiliation Address□	□□□ □ . □TH □T., □UIT□ □□□
Affiliation City□	□os Angeles
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

N84 **GARDENA OIL CO.** **CPS-SLIC** **S104404751**
SW **14800 AVALON** **EMI** **N/A**
1/4-1/2 **GARDENA, CA 90220** **CERS**
0.340 mi.
1794 ft. **Site 3 of 3 in cluster N**

Relative:
Lower

Actual:
99 ft.

CUPA RECORDS
Region: CERS
Facility Status: No further action required
CUPA: Yes
Substance: Not reported
Staff: PT

EMI
Name: [illegible] ACH, INC.
Address: [illegible] AVE
City,State,Zip: [illegible] A, CA [illegible]
Year: [illegible]
County Code: [illegible]
Air Basin: LC
Facility ID: [illegible]
Air District Name: LC
SIC Code: [illegible]
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: [illegible]
Reactive Organic Gases Tons/Yr: [illegible]
Carbon Monoxide Emissions Tons/Yr: [illegible]
[illegible] Oxides of Nitrogen Tons/Yr: [illegible]
[illegible] Oxides of Sulphur Tons/Yr: [illegible]
Particulate Matter Tons/Yr: [illegible]
Part. Matter 10 Micrometers and Smllr Tons/Yr: [illegible]

Name: [illegible] ACH, INC.
Address: [illegible] AVE
City,State,Zip: [illegible] A, CA [illegible]
Year: [illegible]
County Code: [illegible]
Air Basin: LC
Facility ID: [illegible]
Air District Name: LC
SIC Code: [illegible]
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: [illegible]
Reactive Organic Gases Tons/Yr: [illegible]
Carbon Monoxide Emissions Tons/Yr: [illegible]
[illegible] Oxides of Nitrogen Tons/Yr: [illegible]
[illegible] Oxides of Sulphur Tons/Yr: [illegible]
Particulate Matter Tons/Yr: [illegible]
Part. Matter 10 Micrometers and Smllr Tons/Yr: [illegible]

CERS
Name: [illegible] ACH, INC.
Address: [illegible] AVE
City,State,Zip: [illegible] A, CA [illegible]

GARDENA OIL CO. (Continued) **S104404751**

□ite I□□ □□□□□□□
C□R□ I□□ □□□□□□□□□□□□□□
C□R□ □escription□ U□ □□A Air □mission Inventory □ystem □□I□□

85
SW
1/4-1/2
0.371 mi.
1961 ft.

IVAN HALPERIN **LUST** **S107143944**
14900 SOUTH AVALON BOULEVARD **Cortese** **N/A**
GARDENA, CA 90248 **CERS**

Relative:
Lower

Actual:
96 ft.

□U□T□
□ame□ I□A□ HA□□□RI□
Address□ □□□□□ □□UTH A□A□□ □ □□U□□□AR□
City,□tate,□ip□ □AR□□□A, CA □□□□□
□ead Agency□ □□ □ A□□ □□□□ C□U□T□
Case Type□ □U□T Cleanup □ite
□eo Track□ http□□□geotracker.water□oards.ca.gov□profile□report.asp□glo□al□id□T□□□□□□□□□□□
□lo□al Id□ T□□□□□□□□□□□
□atitude□ □□.□□□□□□
□ongitude□ □□□□.□□□□□
□tatus□ Completed □Case Closed
□tatus □ate□ □□□□□□□□□
Case □ orker□ T□
R□ Case □um□er□ □ot reported
□ocal Agency□ □□ □ A□□ □□□□ C□U□T□
File □ocation□ □ot reported
□ocal Case □um□er□ C□U□□ □□□□□□
□otential Media Affect□ □oil
□otential Contaminants of Concern□ □iesel
□ite History□ □ot reported

□U□T□
□lo□al Id□ T□□□□□□□□□□□
Contact Type□ □ocal Agency Caseworker
Contact □ame□ TIM □MITH
□rgani□ation □ame□ □□ □ A□□ □□□□ C□U□T□
Address□ □□□ □. FR□M□□T A□□.
City□ A□HAM□RA
□mail□ tsmith□ dpw.lacounty.gov
□hone □um□er□ □ot reported

□lo□al Id□ T□□□□□□□□□□□
Contact Type□ Regional □oard Caseworker
Contact □ame□ □U□ R□□□
□rgani□ation □ame□ □□ □ A□□ □□□□ R□ □C□ □R□□ I□□ □□
Address□ □□□ □ . □TH □T., □UIT□ □□□
City□ □os Angeles
□mail□ yrong□ water□oards.ca.gov
□hone □um□er□ □ot reported

□U□T□
□lo□al Id□ T□□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□□□□□□
Action□ □eak □iscovery

□lo□al Id□ T□□□□□□□□□□□
Action Type□ R□M□□IATI□□

IVAN HALPERIN (Continued) **S107143944**

□ate□
Action□ □ot reported

□lo□al Id□ T□□□□□□□□□□□
Action Type□ □ther
□ate□
Action□ □eak Reported

□lo□al Id□ T□□□□□□□□□□□
Action Type□ □□F□ RC□M□□T
□ate□
Action□ Closure□□o Further Action □etter

□U□T□
□lo□al Id□ T□□□□□□□□□□□
□tatus□ □pen □Case □egin □ate
□tatus □ate□

□lo□al Id□ T□□□□□□□□□□□
□tatus□ □pen □□ite Assessment
□tatus □ate□

□lo□al Id□ T□□□□□□□□□□□
□tatus□ Completed □Case Closed
□tatus □ate□

C□RT□□□□
□ame□ I□A□ HA□□□RI□
Address□ □□□□□ □□UTH A□A□□ □ □□U□□□AR□
City,□tate,□ip□ □AR□□□A, CA □□□□□
Region□ C□RT□□□
□nvirostor Id□ □ot reported
□lo□al I□□ T□□□□□□□□□□□
□ite□Facility Type□ □U□T C□□A□U□ □IT□
Cleanup □tatus□ C□M□□□T□□ □CA□□ C□□ □□□
□tatus □ate□ □ot reported
□ite Code□ □ot reported
□atitude□ □ot reported
□ongitude□ □ot reported
□wner□ □ot reported
□nf Type□ □ot reported
□wat R□ □ot reported
Flag□ active
□rder □o□ □ot reported
□ aste □ischarge □ystem □o□ □ot reported
□ffective □ate□ □ot reported
Region □□ □ot reported
□ I□ Id□ □ot reported
□olid □ aste Id □o□ □ot reported
□ aste Management Uit □ame□ □ot reported
File □ame□ Active □pen

C□R□□
□ame□ I□A□ HA□□□RI□
Address□ □□□□□ □□UTH A□A□□ □ □□U□□□AR□

IVAN HALPERIN (Continued) **S107143944**

City,□tate,□ip□	□AR□□□A, CA □□□□□
□ite I□□	□□□□□□
C□R□ I□□	T□□□□□□□□□□
C□R□ □escription□	□eaking Underground □torage Tank Cleanup □ite

Affiliation□

Affiliation Type □esc□	□ocal Agency Caseworker
□ntity □ame□	TIM □MITH □□□ □ A□□□□□□ C□U□T□
□ntity Title□	□ot reported
Affiliation Address□	□□□ □. FR□M□□T A□□.
Affiliation City□	A□HAM□RA
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

Affiliation Type □esc□	Regional □oard Caseworker
□ntity □ame□	□U□ R□□□ □□□ A□□□□□ R□ □C□ □R□□ I□□ □□
□ntity Title□	□ot reported
Affiliation Address□	□□□ □ . □TH □T., □UIT□ □□□
Affiliation City□	□os Angeles
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

86
West
1/4-1/2
0.380 mi.
2009 ft.

MICRO-ETCH CO.
440 E. ROSECRANS
GARDENA, CA 90248

ENVIROSTOR **S103659690**
N/A

Relative:
Lower

Actual:
112 ft.

□□□IR□□T□R□

□ame□	MICR□□TCH C□.
Address□	□□□ □. R□□□CRA□□
City,□tate,□ip□	□AR□□□A, CA □□□□□
Facility I□□	□□□□□□□□
□tatus□	Refer□□ther Agency
□tatus □ate□	□ot reported
□ite Code□	□ot reported
□ite Type□	Tiered □ermit
□ite Type □etailed□	Tiered □ermit
Acres□	□ot reported
□□□□	□□
Regulatory Agencies□	□□□□ □□□CIFI□□
□ead Agency□	□□□□ □□□CIFI□□
□rogram Manager□	□ot reported
□upervisor□	□ot reported
□ivision □ranch□	Cleanup Chatsworth
Assem□ly□	□□
□enate□	□□
□pecial □rogram□	□ot reported
Restricted Use□	□□
□ite Mgmt Re□□	□□□□ □□□CIFI□□
Funding□	□ot reported
□atitude□	□□.□□□□□□
□ongitude□	□□□□.□□□□□

MICRO-ETCH CO. (Continued) **S103659690**

APN: NONE □□□CIFI□□
□ast Use: NONE □□□CIFI□□
□otential C□C: NONE □□□CIFI□□
Confirmed C□C: NONE □□□CIFI□□
□otential □escription: NONE □□□CIFI□□
Alias □ame: CA□000161238
Alias Type: EPA Identification □um□er
Alias □ame: 71003370
Alias Type: □nvirostor I□ □um□er

Completed Info:
Completed Area □ame: □R□□□CT W IDE
Completed Sub Area □ame: □ot reported
Completed □ocument Type: □hase 1 □on-]u□mittal
Completed □ate: 12/05/2000
Comments: Referred to local CU□A

Future Area □ame: □ot reported
Future Sub Area □ame: □ot reported
Future □ocument Type: □ot reported
Future □ue □ate: □ot reported
□chedule Area □ame: □ot reported
□chedule Sub Area □ame: □ot reported
□chedule □ocument Type: □ot reported
□chedule □ue □ate: □ot reported
□chedule Revised □ate: □ot reported

O87 **COMPTON RECYCLING CENTER** **SWRCY** **S107138033**
East **1900 W ROSECRANS AVE** **N/A**
1/4-1/2 **COMPTON, CA 90220**
0.406 mi.
2144 ft. **Site 1 of 2 in cluster O**

Relative: SW RCY:
Lower
Actual: □ame: C□M□T□□ R□C□C□I□□ C□□T□R
103 ft. Address: 1900 W R□□□CRA□□ AVE
City,□tate,□ip: C□M□T□□, CA 90220
Reg Id: 25508
Cert Id: RC13308
Mailing Address: 3249 W □l □egundo □lvd
Mailing City: Hawthorne
Mailing □tate: CA
Mailing □ip Code: 90250
□ e□site: □ot reported
□mail: □ot reported
□hone □um□er: (310) 978-9900
Rural: N
□peration □egin □ate: 07/09/2007
Aluminium: Y
□lass: Y
□lastic: Y
□imetal: Y
Hours of □peration: Mon - □at 9:00 am - 4:45 pm, Closed 1:00 pm - 1:30 pm; □un Closed
□rgani□ation I□: 31689
□rgani□ation □ame: E & M Recycling Company

88
North
1/4-1/2
0.415 mi.
2190 ft.

ATKINS BRICK COMPANY
13633 CENTRAL AVE N
COMPTON, CA 90220

LUST
Cortese
CERS

S104159642
N/A

Relative:
Lower

Actual:
100 ft.

LUST REPORT

Region		
Regional Board		
County	Los Angeles	
Facility Id	R[illegible]	
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	T[illegible]	
Global Id	Not reported	
Staff	U[illegible]	
Local Agency	[illegible]	
Cross Street	[illegible]TH ST	
Enforcement Type	Not reported	
Date Leak Discovered	Not reported	
Date Leak First Reported		[illegible]
Date Leak Record Entered	[illegible]	
Date Confirmation Began	Not reported	
Date Leak Stopped	Not reported	
Date Case Last Changed on Database		[illegible]
Date the Case was Closed		[illegible]
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	
Appro. Dist To Production Well (ft)		[illegible]
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
Qualifier	Not reported	
Soil Qualifier	Not reported	
Organization	Not reported	
Owner Contact	Not reported	
Responsible Party	ATLANTIC RICH C M A[illegible]	
RP Address	[illegible] CENTRAL AVE, D., [illegible] A[illegible], [illegible]	
Program	LUST	
Latitude/Longitude	[illegible]	
Local Agency Staff	Not reported	

ATKINS BRICK COMPANY (Continued) **S104159642**

□eneficial Use□ □ot reported
□riority□ □ot reported
Cleanup Fund Id□ □ot reported
□uspended□ □ot reported
Assigned □ame□ □ot reported
□ummary□ □ot reported

□U□T□
□ame□ AT□I□□ □RIC□ C□M□A□□
Address□ □□□□□ C□□TRA□ A□□ □
City,□tate,□ip□ C□M□T□ □, CA □□□□□
□ead Agency□ □□ □ A□□□□□□ C□U□T□
Case Type□ □U□T Cleanup □ite
□eo Track□ http□□□geotracker.water□oards.ca.gov□profile□report.asp□glo□al□id□T□□□□□□□□□□
□lo□al Id□ T□□□□□□□□□□
□atitude□ □□.□□□□□□□
□ongitude□ □□□.□□□□□□□
□tatus□ Completed □Case Closed
□tatus □ate□ □□/□□/□□□□
Case □ orker□ □□A
R□ Case □um□er□ R□□□□□□
□ocal Agency□ □□ □ A□□□□□□ C□U□T□
File □ocation□ □ot reported
□ocal Case □um□er□ □ot reported
□otential Media Affect□ □oil
□otential Contaminants of Concern□ □iesel
□ite History□ □ot reported

□U□T□
□lo□al Id□ T□□□□□□□□□□
Contact Type□ □ocal Agency Caseworker
Contact □ame□ □□H□ A□ U□□
□rgani□ation □ame□ □□ □ A□□□□□□ C□U□T□
Address□ □□□ □ FR□M□□T A□□
City□ A□HAM□RA
□mail□ □awu□o□ dpw.lacounty.gov
□hone □um□er□ □□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□
Contact Type□ Regional □oard Caseworker
Contact □ame□ □U□ R□□□
□rgani□ation □ame□ □□ □ A□□□□□□ R□ □ C□ □R□□ I□□ □□
Address□ □□□ □ . □TH □T., □UIT□ □□□
City□ □os Angeles
□mail□ yrong□ water□oards.ca.gov
□hone □um□er□ □ot reported

□U□T□
□lo□al Id□ T□□□□□□□□□□
Action Type□ □ther
□ate□ □□/□□/□□□□
Action□ □eak Reported

□U□T□
□lo□al Id□ T□□□□□□□□□□
□tatus□ Completed □Case Closed

ATKINS BRICK COMPANY (Continued) **S104159642**

□tatus □ate□ □□□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□□
□tatus□ □pen □Case □egin □ate
□tatus □ate□ □□□□□□□□□□□□

C□RT□□□□
□ame□ AT□I□□ □RIC□ C□M□A□□
Address□ □□□□□ C□□TRA□ A□□ □
City,□tate,□ip□ C□M□T□□, CA □□□□□
Region□ C□RT□□□
□nvirostor Id□ □ot reported
□lo□al I□□ T□□□□□□□□□□□
□ite□Facility Type□ □U□T C□□A□U□ □IT□
Cleanup □tatus□ C□M□□□T□□ □CA□□ C□□ □□□
□tatus □ate□ □ot reported
□ite Code□ □ot reported
□atitude□ □ot reported
□ongitude□ □ot reported
□wner□ □ot reported
□nf Type□ □ot reported
□wat R□ □ot reported
Flag□ active
□rder □o□ □ot reported
□ aste □ischarge □ystem □o□ □ot reported
□ffective □ate□ □ot reported
Region □□ □ot reported
□ I□ Id□ □ot reported
□olid □ aste Id □o□ □ot reported
□ aste Management Uit □ame□ □ot reported
File □ame□ Active □pen

C□R□□
□ame□ AT□I□□ □RIC□ C□M□A□□
Address□ □□□□□ C□□TRA□ A□□ □
City,□tate,□ip□ C□M□T□□, CA □□□□□
□ite I□□ □□□□□□□
C□R□ I□□ T□□□□□□□□□□□
C□R□ □escription□ □eaking Underground □torage Tank Cleanup □ite

Affiliation□
Affiliation Type □esc□ □ocal Agency Caseworker
□ntity □ame□ □□ H□ A□ U□□ □□□□ □ A□□□□□□ C□U□T□
□ntity Title□ □ot reported
Affiliation Address□ □□□ □ FR□M□□ T A□□
Affiliation City□ A□HAM□RA
Affiliation □tate□ CA
Affiliation Country□ □ot reported
Affiliation □ip□ □ot reported
Affiliation □hone□ □□□□□□□□□□□

Affiliation Type □esc□ Regional □oard Caseworker
□ntity □ame□ □U□ R□□□ □□□□ A□□□□□□ R□ □C□ □R□□ I□ □ □□
□ntity Title□ □ot reported
Affiliation Address□ □□□ □ . □TH □T., □UIT□ □□□
Affiliation City□ □os Angeles

ATKINS BRICK COMPANY (Continued) **S104159642**

Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

89
WSW
1/4-1/2
0.415 mi.
2193 ft.

Relative:
Lower

Actual:
102 ft.

FREEMAN PRODUCTS
14700 S SAN PEDRO ST
GARDENA, CA 90248

ENVIROSTOR **1000301467**
RCRA NonGen / NLR **CAD981421365**
FINDS
ECHO
EMI
LOS ANGELES CO. HMS
NPDES
LA Co. Site Mitigation
CERS

□□□IR□□T□R□

□ame□	FR□□MA□ □R□□UCT□, I□C.
Address□	□□□□□ □. □A□ □□□R□ □TR□□T
City,□tate,□ip□	□AR□□□A, CA □□□□□
Facility I□□	□□□□□□□□
□tatus□	Refer□□ther Agency
□tatus □ate□	□ot reported
□ite Code□	□ot reported
□ite Type□	Tiered □ermit
□ite Type □etailed□	Tiered □ermit
Acres□	□ot reported
□□□□	□□
Regulatory Agencies□	□□□□ □□□CIFI□□
□ead Agency□	□□□□ □□□CIFI□□
□rogram Manager□	□ot reported
□upervisor□	□ot reported
□ivision □ranch□	Cleanup Chatsworth
Assem□ly□	□□
□enate□	□□
□pecial □rogram□	□ot reported
Restricted Use□	□□
□ite Mgmt Re□□	□□□□ □□□CIFI□□
Funding□	□ot reported
□atitude□	□□.□□□□□□
□ongitude□	□□□□.□□□□
A□□□	□□□□ □□□CIFI□□
□ast Use□	□□□□ □□□CIFI□□
□otential C□ C□	□□□□ □□□CIFI□□
Confirmed C□ C□	□□□□ □□□CIFI□□
□otential □escription□	□□□□ □□□CIFI□□
Alias □ame□	CA□□□□□□□□□□
Alias Type□	□□A Identification □um□er
Alias □ame□	□□□□□□□□□□□□
Alias Type□	□□A □FR□ □□
Alias □ame□	□□□□□□□□
Alias Type□	□nvirostor I□ □um□er

Completed Info□

Completed Area □ame□	□ot reported
Completed □u□ Area □ame□	□ot reported
Completed □ocument Type□	□ot reported
Completed □ate□	□ot reported

FREEMAN PRODUCTS (Continued) **1000301467**

Comments	ot reported
Future Area ame	ot reported
Future u Area ame	ot reported
Future ocument Type	ot reported
Future ue ate	ot reported
chedule Area ame	ot reported
chedule u Area ame	ot reported
chedule ocument Type	ot reported
chedule ue ate	ot reported
chedule Revised ate	ot reported

RCRA on en R
ate form received y agency

Facility name	FR MA R UCT I C
Facility address	A R T AR A, CA
A I	CA
Contact	I F R
Contact address	HATHA A R A TA F RI , CA
Contact country	U
Contact telephone	
Contact email	ot reported
A Region	
Classification	on enerator
escription	Handler on enerators do not presently generate ha ardous waste

wner perator ummary

wner perator name	FR MA R UCT I C
wner perator address	RT C R,
wner perator country	ot reported
wner perator telephone	
wner perator email	ot reported
wner perator fa	ot reported
wner perator e tension	ot reported
egal status	rivate
wner perator Type	wner
wner p start date	ot reported
wner p end date	ot reported

wner perator name	T R UIR
wner perator address	T R UIR T R UIR , M
wner perator country	ot reported
wner perator telephone	
wner perator email	ot reported
wner perator fa	ot reported
wner perator e tension	ot reported
egal status	rivate
wner perator Type	perator
wner p start date	ot reported
wner p end date	ot reported

FREEMAN PRODUCTS (Continued) **1000301467**

Handler Activities □ummary□
U.□. importer of ha□ardous waste□ □o
Mi□ed waste □ha□. and radioactive□□ □o
Recycler of ha□ardous waste□ □o
Transporter of ha□ardous waste□ □o
Treater, storer or disposer of H□ □ □o
Underground in□ection activity□ □o
□n□site □urner e□emption□ □o
Furnace e□emption□ □o
Used oil fuel □urner□ □o
Used oil processor□ □o
User oil refiner□ □o
Used oil fuel marketer to □urner□ □o
Used oil □pecification marketer□ □o
Used oil transfer facility□ □o
Used oil transporter□ □o

Historical □enerators□
□ate form received □y agency□□□□□□□□□□ □□□□□□□□.□
□ite name□ FR□□MA□ □R□□UCT□ I□C
Classification□ □mall □uantity □enerator

□iolation □tatus□ □o violations found

FI□□□□
Registry I□□ □□□□□□□□□□□□

Click Here□

□nvironmental Interest□Information □ystem□
AIR □MI□□I□□□ C□A□□IFICATI□□ U□□□□□ □
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 ha□ardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities re□uired under RCRA.

Click this hyperlink while viewing on your computer to access additional FI□□□□detail in the □□R □ite Report.

□CH□□
□nvid□ □□□□□□□□□□□
Registry I□□ □□□□□□□□□□□□□
□FR UR□□ http□□□echo.epa.gov□detailed□facility□report□fid□□□□□□□□□□□□□□□
□ame□ FR□□MA□ □R□□UCT□
Address□ □□□□□□ □ □A□ □□□R□ □T
City,□tate,□ip□ □AR□□□A, CA □□□□□

□MI□
□ame□ FR□□MA□ □R□□UCT□
Address□ □□□□□□ □ □A□ □□□R□ □T
City,□tate,□ip□ □AR□□□A, CA □□□□□□□□□
□ear□ □□□□
County Code□ □□
Air □asin□ □C
Facility I□□ □□□□□□□

FREEMAN PRODUCTS (Continued) **1000301467**

Air istrict ame:	C
IC Code:	3471
Air istrict ame:	UTH C A T A M
Community Health Air ollution Info ystem:	ot reported
Consolidated mission Reporting Rule:	ot reported
Total rganic Hydrocar on ases Tons/ r:	4
Reactive rganic ases Tons/ r:	0
Car on Mono ide missions Tons/ r:	0
NOX - ides of itrogen Tons/ r:	0
SOX - ides of ulphur Tons/ r:	0
articulate Matter Tons/ r:	0
art. Matter 10 Micrometers and mllr Tons/ r:	0

ame:	FR MA R UCT
Address:	14700 S SAN PED RO T
City, tate, ip:	AR A, CA 902480000
ear:	1997
County Code:	19
Air asin:	C
Facility I :	103636
Air istrict ame:	C
IC Code:	3471
Air istrict ame:	UTH C A T A M
Community Health Air ollution Info ystem:	ot reported
Consolidated mission Reporting Rule:	ot reported
Total rganic Hydrocar on ases Tons/ r:	3
Reactive rganic ases Tons/ r:	1
Car on Mono ide missions Tons/ r:	0
NOX - ides of itrogen Tons/ r:	0
SOX - ides of ulphur Tons/ r:	0
articulate Matter Tons/ r:	0
art. Matter 10 Micrometers and mllr Tons/ r:	0

ame:	FR MA R UCT
Address:	14700 S SAN PED RO T
City, tate, ip:	AR A, CA 902480000
ear:	1998
County Code:	19
Air asin:	C
Facility I :	103636
Air istrict ame:	C
IC Code:	3471
Air istrict ame:	UTH C A T A M
Community Health Air ollution Info ystem:	ot reported
Consolidated mission Reporting Rule:	ot reported
Total rganic Hydrocar on ases Tons/ r:	3
Reactive rganic ases Tons/ r:	0
Car on Mono ide missions Tons/ r:	0
NOX - ides of itrogen Tons/ r:	0
SOX - ides of ulphur Tons/ r:	0
articulate Matter Tons/ r:	0
art. Matter 10 Micrometers and mllr Tons/ r:	0

ame:	FR MA R UCT
Address:	14700 S SAN PED RO T
City, tate, ip:	AR A, CA 902480000
ear:	1999

FREEMAN PRODUCTS (Continued) **1000301467**

County Code:	19
Air asin:	C
Facility I :	103636
Air istrict ame:	C
IC Code:	3471
Air istrict ame:	UTH C A T A M
Community Health Air ollution Info ystem:	ot reported
Consolidated mission Reporting Rule:	ot reported
Total rganic Hydrocar on ases Tons/ r:	3
Reactive rganic ases Tons/ r:	1
Car on Mono ide missions Tons/ r:	0
NOX - ides of itrogen Tons/ r:	0
SOX - ides of ulphur Tons/ r:	0
articulate Matter Tons/ r:	0
art. Matter 10 Micrometers and mllr Tons/ r:	0

ame:	FR MA R UCT
Address:	14700 S SAN PED RO T
City, tate, ip:	AR A, CA 902480000
ear:	2000
County Code:	19
Air asin:	C
Facility I :	103636
Air istrict ame:	C
IC Code:	3471
Air istrict ame:	UTH C A T A M
Community Health Air ollution Info ystem:	ot reported
Consolidated mission Reporting Rule:	ot reported
Total rganic Hydrocar on ases Tons/ r:	3
Reactive rganic ases Tons/ r:	1
Car on Mono ide missions Tons/ r:	0
NOX - ides of itrogen Tons/ r:	0
SOX - ides of ulphur Tons/ r:	0
articulate Matter Tons/ r:	0
art. Matter 10 Micrometers and mllr Tons/ r:	0

ame:	FR MA R UCT
Address:	14700 S SAN PED RO T
City, tate, ip:	AR A, CA 902480000
ear:	2001
County Code:	19
Air asin:	C
Facility I :	103636
Air istrict ame:	C
IC Code:	3471
Air istrict ame:	UTH C A T A M
Community Health Air ollution Info ystem:	ot reported
Consolidated mission Reporting Rule:	ot reported
Total rganic Hydrocar on ases Tons/ r:	0
Reactive rganic ases Tons/ r:	0
Car on Mono ide missions Tons/ r:	0
NOX - ides of itrogen Tons/ r:	0
SOX - ides of ulphur Tons/ r:	0
articulate Matter Tons/ r:	0
art. Matter 10 Micrometers and mllr Tons/ r:	0

ame:	ARA COLLECTION

FREEMAN PRODUCTS (Continued) **1000301467**

Address□	□□□□□ □ □A□ □□□R□ □T
City,□tate,□ip□	□AR□□□A, CA □□□□□□□□□□
□ear□	□□□□
County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□
Reactive □rganic □ases Tons□□r□	□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

□ame□	ARA C□ □□□CTI□ □
Address□	□□□□□ □ □A□ □□□R□ □T
City,□tate,□ip□	□AR□□□A, CA □□□□□□□□□□
□ear□	□□□□
County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□
Reactive □rganic □ases Tons□□r□	□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

□ame□	ARA C□ □□□CTI□ □
Address□	□□□□□ □ □A□ □□□R□ □T
City,□tate,□ip□	□AR□□□A, CA □□□□□□□□□□
□ear□	□□□□
County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□.□□□□□
Reactive □rganic □ases Tons□□r□	□.□□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□.□□□□□□

FREEMAN PRODUCTS (Continued) **1000301467**

art. Matter Micrometers and mllr Tons r

ame	ARA C CTI
Address	A R
City, tate, ip	AR A, CA
ear	
County Code	
Air asin	C
Facility I	
Air istrict ame	C
IC Code	
Air istrict ame	UTH C A T A M
Community Health Air ollution Info ystem	ot reported
Consolidated mission Reporting Rule	ot reported
Total rganic Hydrocar on ases Tons r	.
Reactive rganic ases Tons r	.
Car on Mono ide missions Tons r	
ides of itrogen Tons r	
ides of ulphur Tons r	
articulate Matter Tons r	.
art. Matter Micrometers and mllr Tons r.	

ame	ARA C CTI
Address	A R
City, tate, ip	AR A, CA
ear	
County Code	
Air asin	C
Facility I	
Air istrict ame	C
IC Code	
Air istrict ame	UTH C A T A M
Community Health Air ollution Info ystem	ot reported
Consolidated mission Reporting Rule	ot reported
Total rganic Hydrocar on ases Tons r	.
Reactive rganic ases Tons r	.
Car on Mono ide missions Tons r	
ides of itrogen Tons r	
ides of ulphur Tons r	
articulate Matter Tons r	.
art. Matter Micrometers and mllr Tons r.	

ame	ARA C CTI
Address	A R
City, tate, ip	AR A, CA
ear	
County Code	
Air asin	C
Facility I	
Air istrict ame	C
IC Code	
Air istrict ame	UTH C A T A M
Community Health Air ollution Info ystem	ot reported
Consolidated mission Reporting Rule	ot reported
Total rganic Hydrocar on ases Tons r	.
Reactive rganic ases Tons r	.
Car on Mono ide missions Tons r	

FREEMAN PRODUCTS (Continued) **1000301467**

□□□ □□□ides of □itrogen Tons□□r□ □
□□□ □□□ides of □ulphur Tons□□r□ □
□articulate Matter Tons□□r□ .□□□
□art. Matter □□ Micrometers and □mllr Tons□□r□.□□□□□

□□□ A□□□□□□ C□. HM□□
□ame□ U□ □□A□□□ □□C
Address□ □□□□□ □ □A□ □□□R□ □T
City,□tate,□ip□ □AR□□□A, CA □□□□□□□□□
Region□ □A
□ermit Category□ □
Facility Id□ □□□□□□□□□□□□□□□
Facility Type□ □□
Facility □tatus□ □ermit
Area□ □□
□ermit □um□er□ C□ I□□□□□□
□ermit □tatus□ □ermit

□ame□ U□ □□A□□□ □□C
Address□ □□□□□ □ □A□ □□□R□ □T
City,□tate,□ip□ □AR□□□A, CA □□□□□□□□□
Region□ □A
□ermit Category□ □
Facility Id□ □□□□□□□□□□□□□□□
Facility Type□ □□
Facility □tatus□ Closed
Area□ □□
□ermit □um□er□ □□□□□□□□□
□ermit □tatus□ Closed

□ame□ FR□□MA□ □R□□UCT□ I□C
Address□ □□□□□ □ □A□ □□□R□ □T
City,□tate,□ip□ □AR□□□A, CA □□□□□□□□□
Region□ □A
□ermit Category□ I
Facility Id□ □□□□□□□□□□□□□□□
Facility Type□ □□
Facility □tatus□ Closed
Area□ □□
□ermit □um□er□ □□□□□□□□□
□ermit □tatus□ Closed

□ame□ FR□□MA□ □R□□UCT□ I□C
Address□ □□□□□ □ □A□ □□□R□ □T
City,□tate,□ip□ □AR□□□A, CA □□□□□□□□□
Region□ □A
□ermit Category□ I
Facility Id□ □□□□□□□□□□□□□□□
Facility Type□ □□
Facility □tatus□ Closed
Area□ □□
□ermit □um□er□ □□□□□□□□□
□ermit □tatus□ Closed

□□□□□□
□ame□ U□ □□A□□□ □□C

FREEMAN PRODUCTS (Continued) **1000301467**

Address□	□□□□□ □□UTH □A□ □□□R□ □TR□□T
City,□tate,□ip□	R□ □□□ □□□, CA □□□□□
Facility □tatus□	□ot reported
□□□□□ □um□er□	□ot reported
Region□	□ot reported
Agency □um□er□	□ot reported
Regulatory Measure I□□	□ot reported
□lace I□□	□ot reported
□rder □um□er□	□ot reported
□ □I□□	□ □□I□□□□□□□
Regulatory Measure Type□	Industrial
□rogram Type□	□ot reported
Adoption □ate □f Regulatory Measure□	□ot reported
□ffective □ate □f Regulatory Measure□	□ot reported
Termination □ate □f Regulatory Measure□	□ot reported
□□piration □ate □f Regulatory Measure□	□ot reported
□ischarge Address□	□ot reported
□ischarge □ame□	□ot reported
□ischarge City□	□ot reported
□ischarge □tate□	□ot reported
□ischarge □ip□	□ot reported
□tatus□	Undetermined
□tatus □ate□	□□□□□□□□□□□□
□perator □ame□	U□ □lanks □□C
□perator Address□	□□□□□ □outh □an □edro □treet
□perator City□	□ardena
□perator □tate□	California
□perator □ip□	□□□□□

□A Co. □ite Mitigation□

□ame□	A□UMI□UM C□MM□RCIA□ □□□T□M□
Address□	□□□□□ □ □A□ □□□R□ □T
City,□tate,□ip□	□AR□□□A, CA □□□□□
Facility I□□	FA□□□□□□□
□tatus□	□ot reported
□ite I□□	□□□□□□□□□
□urisdiction□	□ot reported
Case I□□	R□□□□□□□□
A□ated□	□es
Assigned To□	□R
□ntered □ate□	□ot reported
A□ated □ate□	□□□□□□□□□□□

C□R□□

□ame□	U□ □□A□□□ □□C
Address□	□□□□□ □ □A□ □□□R□ □T
City,□tate,□ip□	□AR□□□A, CA □□□□□
□ite I□□	□□□□□
C□R□ I□□	□□□□□□□□□
C□R□ □escription□	Chemical □torage Facilities

□valuation□

□val □eneral Type□	Compliance □valuation Inspection
□val □ate□	□□□□□□□□□□
□iolations Found□	□o
□val Type□	Routine done □y local agency
□val □otes□	□im□erly Thress, □resident

FREEMAN PRODUCTS (Continued) **1000301467**

□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ HMRR□
□val □ource□ C□R□

□val □eneral Type□ Compliance □valuation Inspection
□val □ate□ □□□□□□□□□□
□iolations Found□ □o
□val Type□ Routine done □y local agency
□val □otes□ □eff Holt□y, □ice □resident
□val □ivision□ □os Angeles County Fire □epartment
□val □rogram□ HMRR□
□val □ource□ C□R□

Coordinates□
□ite I□□ □□□□□
Facility □ame□ U□ □□A□□□ □□C
□nv Int Type Code□ HM□□
□rogram I□□ □□□□□□□□
Coord □ame□ □ot reported
Ref □oint Type □esc□ Center of a facility or station.
□atitude□ □□.□□□□□□
□ongitude□ □□□□.□□□□□□

Affiliation□
Affiliation Type □esc□ □ocument □reparer
□ntity □ame□ □im□erly Thress
□ntity Title□ □ot reported
Affiliation Address□ □ot reported
Affiliation City□ □ot reported
Affiliation □tate□ □ot reported
Affiliation Country□ □ot reported
Affiliation □ip□ □ot reported
Affiliation □hone□ □ot reported

Affiliation Type □esc□ □nvironmental Contact
□ntity □ame□ □IM□□R□□ THR□□□
□ntity Title□ □ot reported
Affiliation Address□ □□□□□ □□UTH □A□ □□R□R□ □TR□□T
Affiliation City□ □AR□□□A
Affiliation □tate□ CA
Affiliation Country□ □ot reported
Affiliation □ip□ □□□□□
Affiliation □hone□ □ot reported

Affiliation Type □esc□ □arent Corporation
□ntity □ame□ U□ □□A□□□ □□C
□ntity Title□ □ot reported
Affiliation Address□ □ot reported
Affiliation City□ □ot reported
Affiliation □tate□ □ot reported
Affiliation Country□ □ot reported
Affiliation □ip□ □ot reported
Affiliation □hone□ □ot reported

Affiliation Type □esc□ CU□A □istrict
□ntity □ame□ □os Angeles County Fire

FREEMAN PRODUCTS (Continued) **1000301467**

□ntity Title□	□ot reported
Affiliation Address□	□□□□ Ricken□acker Road
Affiliation City□	Commerce
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□□□□□
Affiliation □hone□	□□□□□□□□□□□□□
Affiliation Type □esc□	Facility Mailing Address
□ntity □ame□	Mailing Address
□ntity Title□	□ot reported
Affiliation Address□	□□ □□□ □□□
Affiliation City□	□AR□□□A
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□□□□□
Affiliation □hone□	□ot reported
Affiliation Type □esc□	□perator
□ntity □ame□	□IM□□R□□ THR□□□
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□□□□□□□□□□□□□
Affiliation Type □esc□	Identification □igner
□ntity □ame□	□IM□□R□□ THR□□□
□ntity Title□	□R□□I□□□T
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported
Affiliation Type □esc□	□egal □wner
□ntity □ame□	U□ □□A□□□, □□C
□ntity Title□	□ot reported
Affiliation Address□	□.□. □□□ □□□
Affiliation City□	□AR□□□A
Affiliation □tate□	CA
Affiliation Country□	United □tates
Affiliation □ip□	□□□□□
Affiliation □hone□	□□□□□□□□□□□□□

O90 **LARRY SMITH CLEANERS** **ENVIROSTOR** **S103638397**
East **1904 W ROSECRANS AV** **DRYCLEANERS** **N/A**
1/4-1/2 **COMPTON, CA 90220** **EMI**
0.437 mi.
2308 ft. **Site 2 of 2 in cluster O**

Relative:
Lower

Actual:
101 ft.

IR T R
ame A A C A R
Address . R CRA A .
City,tate,ip C M T , CA
Facility I
tatus Refer ocal Agency
tatus ate
ite Code ot reported
ite Type valuation
ite Type etailed valuation
Acres ot reported
Regulatory Agencies CIFI
ead Agency CIFI
rogram Manager ot reported
upervisor Referred ot Assigned
ivision ranch Cleanup Cypress
Assem ly
enate
pecial rogram ot reported
Restricted Use
ite Mgmt Re CIFI
Funding ot Applica le
atitude .
ongitude .
A CIFI
ast Use CIFI
otential C C CIFI
Confirmed C C CIFI
otential escription CIFI
Alias ame
Alias Type nvirostor I um er

Completed Info
Completed Area ame ot reported
Completed u Area ame ot reported
Completed ocument Type ot reported
Completed ate ot reported
Comments ot reported

Future Area ame ot reported
Future u Area ame ot reported
Future ocument Type ot reported
Future ue ate ot reported
chedule Area ame ot reported
chedule u Area ame ot reported
chedule ocument Type ot reported
chedule ue ate ot reported
chedule Revised ate ot reported

R C A R
ame A A C A R
Address R CRA

LARRY SMITH CLEANERS (Continued) **S103638397**

City,□tate,□ip□	C□ M□T□□, CA □□□□□□□□□□
□□A Id□	CA□□□□□□□□□□□□
□AIC□ Code□	□□□□□□□
□AIC□ □escription□	□inen □upply
□IC Code□	□□□□□
□IC □escription□	□inen □upply
Create □ate□	□□□□□□□□□□□
Facility Active□	□o
Inactive □ate□	□□□□□□□□□□□
Facility Addr□□	□ot reported
□wner □ame□	CHU□ CH□□□□ CHA
□wner Address□	□□□□□ □ R□□□CRA□□
□wner Address □□	□ot reported
□wner Telephone□	□□□□□□□□□□□□
Contact □ame□	CH□□□□ CHU□
Contact Address□	□□□□□ □ R□□□CRA□□
Contact Address □□	□ot reported
Contact Telephone□	□□□□□□□□□□□□
Mailing □ame□	□ot reported
Mailing Address □□	□□□□□ □ R□□□CRA□□
Mailing Address □□	□ot reported
Mailing City□	C□ M□T□□
Mailing □tate□	CA
Mailing □ip□	□□□□□□□□□□
□wner Fa□□	□□□□□□□□□□□□
Region Code□	□

□MI□

□ame□	□ARR□ □MITH C□□A□□R□
Address□	□□□□□ □ R□□□CRA□□ A□
City,□tate,□ip□	C□ M□T□□, CA □□□□□□□□□□
□ear□	□□□□□
County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□
Reactive □rganic □ases Tons□□r□	□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

□ame□	□ARR□ □MITH C□□A□□R□
Address□	□□□□□ □ R□□□CRA□□ A□
City,□tate,□ip□	C□ M□T□□, CA □□□□□□□□□□
□ear□	□□□□□
County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□□

LARRY SMITH CLEANERS (Continued) **S103638397**

Air istrict ame:	UTH C A T A M
Community Health Air ollution Info ystem:	ot reported
Consolidated mission Reporting Rule:	ot reported
Total rganic Hydrocar on ases Tons/ r:	1
Reactive rganic ases Tons/ r:	0
Car on Mono ide missions Tons/ r:	0
NOX - ides of itrogen Tons/ r:	0
SOX - ides of ulphur Tons/ r:	0
articulate Matter Tons/ r:	0
art. Matter 10 Micrometers and mllr Tons/ r:	0

P91 **LEACH OIL CO, INC** **CORRACTS** **1000169622**
SSW **625 E COMPTON BLVD** **HIST UST** **N/A**
1/4-1/2 **COMPTON, CA 90220** **US FIN ASSUR**
0.440 mi. **Financial Assurance**
2324 ft. **Site 1 of 5 in cluster P** **LOS ANGELES CO. HMS**

Relative:
Lower

Actual:
93 ft.

CORRACTS:

Region:	09
ame:	ACH O IL C , I C
Address:	625 E C M T BLVD
Address 2:	ot reported
City, tate, ip:	C M T , CA 90220
EPA I :	CA 050099696
Area ame:	TI R FACI IT
Corrective Action:	CA029
Actual ate:	1990-09-14 00:00:00.0
AIC Code 1:	ot reported
AIC Code 2:	ot reported
AIC Code 3:	ot reported
AIC Code 4:	ot reported

HIST UST:

ame:	ACH O IL C M A I C
Address:	625 E C M T BLVD
City, tate, ip:	C M T , CA 90220
File umber:	00027539
UR :	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027539.pdf
Region:	TATE
Facility I :	00000046968
Facility Type:	ther
ther Type:	ot reported
Contact ame:	ROY ACH
Telephone:	2133230226
wner ame:	ACH O IL C M A , I C.
wner Address:	625 E. C M T BLVD.
wner City, t, ip:	C M T , CA 90220
Total Tanks:	0003
Tank um:	001
Container um:	D
ear Installed:	ot reported
Tank Capacity:	00009000
Tank Used for:	W ASTE
Type of Fuel:	W AST E O IL
Container Construction Thickness:	ot reported
eak etection:	ot reported

LEACH OIL CO, INC (Continued) **1000169622**

Tank □um□	□□□
Container □um□	□□□ □
□ear Installed□	□ot reported
Tank Capacity□	□□□□□□□□
Tank Used for□	□ A□T□
Type of Fuel□	□ot reported
Container Construction Thickness□	□□
□eak □etection□	□isual

Tank □um□	□□□
Container □um□	□ □R
□ear Installed□	□ot reported
Tank Capacity□	□□□□□□□□
Tank Used for□	□ A□T□
Type of Fuel□	□ A□T□ □I□
Container Construction Thickness□	□ot reported
□eak □etection□	□isual

Click here for □eo Tracker □□F□

U□ FI□ A□□UR□
□o □etails □o □etails

CA Financial Assurance □□

□ame□	□□ACH □I□ C□M□A□□
Address□	□□□ □ C□M□T□□ □□□□
City□	C□M□T□□
□□A I□ □um□er□	CA□□□□□□□□□□
□udden Amount□□	□ot reported
□on □udden Amount□□	□ot reported
Closure Mechanism□	TA
Closure Amount□	□□□□,□□□.□□
□ost Closure Mechanism□	□ot reported
□ost Closure Amount□	□ot reported
Corrective Action Mechanism□	□ot reported
Corrective Action Amount□	□ot reported
□udden Mechanism Type□	□ot reported
□udden Mechanism Amount□	□ot reported
□on □udden Mechanism Type□	□ot reported
□on □udden Mechanism Amount□	□ot reported
□ and M Mechanism Type□	□ot reported
□ and M Amount□	□ot reported
Closure Mechanism □ate of Mechanism□	□□□□□□□□□□ □□□□□□□□□
Closure Mechanism Renewal □ate□	□ot reported
Closure Mechanism □rovider□	MUF□ □successor trustee to Union □ank of California□
□ostclosure Mechanism □ate of Mechanism□	□ot reported
□ostclosure Mechanism Renewal □ate□	□ot reported
□ostclosure Mechanism □rovider□	□ot reported
□ and M Mechanism □ate of Mechanism□	□ot reported
□ and M Mechanism Renewal □ate□	□ot reported
□ and M Mechanism □rovider□	□ot reported
Corrective Action Mechanism □ate of Mechanism□	□ot reported
Corrective Action Mechanism Renewal □ate□	□ot reported
Corrective Action Mechanism □rovider□	□ot reported
□udden Mechanism □ate of Mechanism□	□ot reported
□udden Mechanism Renewal □ate□	□ot reported
□udden Mechanism □rovider□	□ot reported

LEACH OIL CO, INC (Continued) **1000169622**

□on□□udden Mechanism □ate of Mechanism□	□ot reported
□on□□udden Mechanism Renewal □ate□	□ot reported
□on□□udden Mechanism □rovider□	□ot reported
□ate □ntered into □nviro□tor□	□□□□□□□□□□ □□□□□□□□□
Authori□ation Type□	Cleanup
Comments□	Closure □ending

□□ □ A□□□□□□ C□. HM□□

□ame□	□□ACH □I□ C□
Address□	□□□ □ C□ M□T□□ □□□□
City,□tate,□ip□	C□ M□T□□, CA □□□□□
Region□	□A
□ermit Category□	I
Facility Id□	□□□□□□□1□□□□□
Facility Type□	□□
Facility □tatus□	Closed
Area□	□□
□ermit □um□er□	□□□□□□□□□
□ermit □tatus□	Closed

□ame□	□□ACH □I□ C□
Address□	□□□ □ C□ M□T□□ □□□□
City,□tate,□ip□	C□ M□T□□, CA □□□□□
Region□	□A
□ermit Category□	□
Facility Id□	□□□□□□□□□□□□□□
Facility Type□	□□
Facility □tatus□	Closed
Area□	□□
□ermit □um□er□	□□□□□□□□□
□ermit □tatus□	Closed

□ame□	□□ACH □I□ C□
Address□	□□□ □ C□ M□T□□ □□□□
City,□tate,□ip□	C□ M□T□□, CA □□□□□
Region□	□A
□ermit Category□	□ot reported
Facility Id□	□□□□□□□□□□□□□□
Facility Type□	□ot reported
Facility □tatus□	□□□□
Area□	□□
□ermit □um□er□	□ot reported
□ermit □tatus□	□ot reported

P92 **LEACH OIL COMPANY INC.** **ENVIROSTOR** **S107144600**
SSW **625 E COMPTON BLVD** **HWP** **N/A**
1/4-1/2 **RANCHO DOMINGUEZ, CA 90220** **CERS**
0.440 mi.
2324 ft. **Site 2 of 5 in cluster P**

Relative: □□□IR□□T□R□
Lower

□ame□	□□ACH □I□ C□ M□A□□ I□C.
Address□	□□□ □ C□ M□T□□ □□□□
City,□tate,□ip□	RA□CH□ □□MI□□U□□, CA □□□□□□□□□□
Facility I□□	□□□□□□□□□
□tatus□	Refer□R□ □C□
□tatus □ate□	□□□□□□□□□□

Actual:
93 ft.

LEACH OIL COMPANY INC. (Continued) **S107144600**

ite Code: 300438
ite Type: Corrective Action
ite Type etailed: Corrective Action
Acres: 1.2
NPL: NO
Regulatory Agencies: RWQ CB 4 -os Angeles
ead Agency: RWQ CB 4 -os Angeles
rogram Manager: ot reported
upervisor: oel hrum
ivision ranch: Cleanup acramento
Assem ly: 64
enate: 35
pecial rogram: ot reported
Restricted Use: NO
ite Mgmt Re : NONE CIFI
Funding: Responsi le arty
atitude: 33.89572
ongitude: -118.2644
APN: 6137004025, 6137004028, 6137004029
ast Use: NONE CIFI
otential C C: NONE CIFI
Confirmed C C: NONE CIFI
otential escription: NONE CIFI
Alias ame: 6137004025
Alias Type: APN
Alias ame: 6137004028
Alias Type: APN
Alias ame: 6137004029
Alias Type: APN
Alias ame: CA 050099696
Alias Type: EPA Identification umber
Alias ame: 300438
Alias Type: ro ect Code (ite Code)
Alias ame: 60002008
Alias Type: nvirostor I umber

Completed Info:
Completed Area ame: R CT W IDE
Completed Sub Area ame: ot reported
Completed ocument Type: Correspondence
Completed ate: 07/08/2009
Comments: ot reported

Future Area ame: ot reported
Future Sub Area ame: ot reported
Future ocument Type: ot reported
Future ue ate: ot reported
chedule Area ame: ot reported
chedule Sub Area ame: ot reported
chedule ocument Type: ot reported
chedule ue ate: ot reported
chedule Revised ate: ot reported

HWP:
ame: ACH O IL C M A I C.
Address: 625 E C M T BLVD
City,tate,ip: RA CH DO MING UEZ, CA 902201192

LEACH OIL COMPANY INC. (Continued) **S107144600**

□□A Id□ CA□□□□□□□□□□□
Cleanup □tatus□ U□□□R□ □I□□ C□□ □UR□
□atitude□ □□.□□□□□□
□ongitude□ □□□□.□□□□□
Facility Type□ Historical □□on□□perating
Facility □i□e□ □ot reported
Team□ □ot reported
□upervisor□ □ot reported
□ite Code□ □□□□□□
Assem□ly □istrict□ □□
□enate □istrict□ □□
□u□lic Information □fficer□ □ot reported
□u□lic Information □fficer□ □ot reported

Activities□

□□A Id□ CA□□□□□□□□□□□
Facility Type□ Historical □□on□□perating
Unit □ames□ □il holding Tanks
□vent □escription□ □ew □perating □ermit □□U□□IC C□MM□□T □□□□I□□
Actual □ate□ □□□□□□□□□□□

□□A Id□ CA□□□□□□□□□□□
Facility Type□ Historical □□on□□perating
Unit □ames□ □il holding Tanks
□vent □escription□ □ew □perating □ermit □CA□□□□□ □□TT□R I□□U□□
Actual □ate□ □□□□□□□□□□□

□□A Id□ CA□□□□□□□□□□□
Facility Type□ Historical □□on□□perating
Unit □ames□ □il holding Tanks
□vent □escription□ □ew □perating □ermit □FI□A□ □□RMIT
Actual □ate□ □□□□□□□□□□□

□□A Id□ CA□□□□□□□□□□□
Facility Type□ Historical □□on□□perating
Unit □ames□ □il holding Tanks
□vent □escription□ □ew □perating □ermit □A□□□ICATI□□ □ART A R□C□I□□□
Actual □ate□ □□□□□□□□□□□

□□A Id□ CA□□□□□□□□□□□
Facility Type□ Historical □□on□□perating
Unit □ames□ □il holding Tanks
□vent □escription□ □ew □perating □ermit □□U□□IC C□MM□□T □□□□□
Actual □ate□ □□□□□□□□□□□

Closure□

□□A Id□ CA□□□□□□□□□□□
Facility Type□ Historical □□on□□perating
Unit □ames□ □il holding Tanks
□vent □escription□ Referred for closure to other agency □R□F□RR□□ F□R C□□□UR□ T□ □TH□R A□□□C□
Actual □ate□ □□□□□□□□□□□

□□A Id□ CA□□□□□□□□□□□
Facility Type□ Historical □□on□□perating
Unit □ames□ □il holding Tanks
□vent □escription□ Closure □C□□□UR□ □□A□ R□C□I□□□
Actual □ate□ □□□□□□□□□□□

LEACH OIL COMPANY INC. (Continued) **S107144600**

Alias:
EPA Id: CA 050099696
Facility Type: Historical - on- perating
Alias Type: roject Code (ite Code)
Alias: 300438

EPA Id: CA 050099696
Facility Type: Historical - on- perating
Alias Type: APN
Alias: 6137004006

EPA Id: CA 050099696
Facility Type: Historical - on- perating
Alias Type: APN
Alias: 6137004028

EPA Id: CA 050099696
Facility Type: Historical - on- perating
Alias Type: APN
Alias: 6137004029

EPA Id: CA 050099696
Facility Type: Historical - on- perating
Alias Type: APN
Alias: 6139002801

EPA Id: CA 050099696
Facility Type: Historical - on- perating
Alias Type: APN
Alias: 6139002803

C R:
ame: ACH O IL C M A I C.
Address: 625 E C M T BLVD
City, tate, ip: RA CH DO MING UEZ, CA 902201192
ite I : 255963
C R I : CA 050099696
C R escription: Ha ardous aste

Affiliation:
Affiliation Type esc: Facility wner
ntity ame: ATRICIA ACH, PRES
ntity Title: ot reported
Affiliation Address: PO BOX 6335
Affiliation City: SAN PED RO
Affiliation tate: CA
Affiliation Country: ot reported
Affiliation ip: 907340000
Affiliation hone: 3103230226

Affiliation Type esc: Facility Contact
ntity ame: ATRICIA ACH
ntity Title: ot reported
Affiliation Address: PO BOX 6335
Affiliation City: SAN PED RO
Affiliation tate: CA

LEACH OIL COMPANY INC. (Continued) **S107144600**

Affiliation Country□ □ot reported
Affiliation □ip□ □□□□□
Affiliation □hone□ □□□□□□□□□□

□ame□ □□ACH □I□ C□M□A□□ I□
Address□ □□□ □ C□M□T□□ □□□□
City,□tate,□ip□ RA□CH□ □□MI□□U□□, CA □□□□□□□□□□
□ite I□□ □□□□□□□
C□R□ I□□ □□□□□□□□
C□R□ □escription□ Corrective Action

Affiliation□
Affiliation Type □esc□ □upervisor
□ntity □ame□ □□□□HRUM
□ntity Title□ □ot reported
Affiliation Address□ □ot reported
Affiliation City□ □ot reported
Affiliation □tate□ □ot reported
Affiliation Country□ □ot reported
Affiliation □ip□ □ot reported
Affiliation □hone□ □ot reported

P93 **LEACH OIL CO INC** **CPS-SLIC** **S106834406**
SSW **625 EAST COMPTON BLVD.** **EMI** **N/A**
1/4-1/2 **COMPTON, CA 90220** **CERS**
0.440 mi.
2324 ft. **Site 3 of 5 in cluster P**

Relative: C□□□□IC□
Lower
Actual: □ame□ □□ACH □I□ C□M□A□□
93 ft. Address□ □□□ □A□T C□M□T□□ □□U□□□AR□
City,□tate,□ip□ C□M□T□□, CA □□□□□
Region□ □TAT□
Facility Status: **Open - Inactive**
□tatus □ate□ □□□□□□□□□
□lo□al Id□ T□□□□□□□□□□□□
□ead Agency□ □□ □ A□□□□□□ R□ □C□ □R□□ I□□ □□
□ead Agency Case □um□er□ □ot reported
□atitude□ □□.□□□□□□□□□□□□□□
□ongitude□ □□□□.□□□□□□□□□□□□□□
Case Type□ Cleanup □rogram □ite
Case □ orker□ A□
□ocal Agency□ □ot reported
R□ Case □um□er□ □□□□□
File □ocation□ □ot reported
□otential Media Affected□ □ot reported
□otential Contaminants of Concern□ □ot reported
□ite History□ □ot reported

Click here to access the California □eoTracker records for this facility□

□MI□
□ame□ □□ACH □I□ C□ I□C
Address□ □□□ □A□T C□M□T□□ □□□□.
City,□tate,□ip□ C□M□T□□, CA □□□□□
□ear□ □□□□

LEACH OIL CO INC (Continued) **S106834406**

County Code:	19
Air □asin:	□C
Facility I□:	15997
Air □istrict □ame:	□C
□IC Code:	2992
Air □istrict □ame:	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem:	□ot reported
Consolidated □mission Reporting Rule:	□ot reported
Total □rganic Hydrocar□on □ases Tons/□r:	12
Reactive □rganic □ases Tons/□r:	10
Car□on Mono□ide □missions Tons/□r:	0
NOX -□□ides of □itrogen Tons/□r:	18
SOX -□□ides of □ulphur Tons/□r:	3
□articulate Matter Tons/□r:	1
□art. Matter 10 Micrometers and □mllr Tons/□r:	1

□ame:	□□ACH OIL C□ I□C
Address:	625 □A□T C□M□T□□ BLVD.
City,□tate,□ip:	C□M□T□□, CA 90220
□ear:	1990
County Code:	19
Air □asin:	□C
Facility I□:	15997
Air □istrict □ame:	□C
□IC Code:	2992
Air □istrict □ame:	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem:	□ot reported
Consolidated □mission Reporting Rule:	□ot reported
Total □rganic Hydrocar□on □ases Tons/□r:	3
Reactive □rganic □ases Tons/□r:	2
Car□on Mono□ide □missions Tons/□r:	0
NOX -□□ides of □itrogen Tons/□r:	0
SOX -□□ides of □ulphur Tons/□r:	0
□articulate Matter Tons/□r:	0
□art. Matter 10 Micrometers and □mllr Tons/□r:	0

□ame:	□□ACH OIL C□ I□C
Address:	625 □A□T C□M□T□□ BLVD.
City,□tate,□ip:	C□M□T□□, CA 90220
□ear:	1995
County Code:	19
Air □asin:	□C
Facility I□:	15997
Air □istrict □ame:	□C
□IC Code:	2992
Air □istrict □ame:	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem:	□ot reported
Consolidated □mission Reporting Rule:	□ot reported
Total □rganic Hydrocar□on □ases Tons/□r:	6
Reactive □rganic □ases Tons/□r:	4
Car□on Mono□ide □missions Tons/□r:	0
NOX -□□ides of □itrogen Tons/□r:	0
SOX -□□ides of □ulphur Tons/□r:	0
□articulate Matter Tons/□r:	0
□art. Matter 10 Micrometers and □mllr Tons/□r:	0

LEACH OIL CO INC (Continued) **S106834406**

CORRE
- Name: LEACH OIL COMPANY
- Address: 333 SOUTH HOPE STREET 43RD FLOOR
- City,State,Zip: LOS ANGELES, CA 90071
- Site ID: 100000
- CORRE ID: T0000000000
- CORRE Description: Cleanup Program Site

Affiliation
- Affiliation Type Desc: Regional Board Caseworker
- Entity Name: ANNE HEITHUS
- Entity Title: Not reported
- Affiliation Address: 320 W. 4TH ST., SUITE 200
- Affiliation City: LOS ANGELES
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: Not reported

Q94 **COLUMBIA MANUFACTURING CO** **HIST CORTESE** **S105023887**
West **14400 SAN PEDRO** **N/A**
1/4-1/2 **GARDENA, CA 90248**
0.451 mi.
2379 ft. **Site 1 of 3 in cluster Q**

Relative: HIST CORTESE
Lower
- edr_fname: COLUMBIA MANUFACTURING CO
- edr_fadd1: 14400 SAN PEDRO
- City,State,Zip: GARDENA, CA 90248
- Region: CORTESE
- Facility County Code: 19
- Reg By: LTNKA
- Reg Id: 100000

Actual:
107 ft.

Q95 **SPECTRUM LABORATORY PRODUCTS INCORPORATED** **RCRA-SQG** **1000181891**
WSW **14422 SOUTH SAN PEDRO STREET** **ENVIROSTOR** **CAD982034324**
1/4-1/2 **GARDENA, CA 90248** **HIST UST**
0.451 mi. **FTTS**
2381 ft. **Site 2 of 3 in cluster Q** **HIST FTTS**
LOS ANGELES CO. HMS
Relative: **NPDES**
Lower **WDS**
CIWQS
Actual: **CERS**
105 ft.

RCRA
- Date form received by agency: 01/01/1900
- Facility name: SPECTRUM CHEMICAL MFG CORP
- Facility address: 14422 S SAN PEDRO ST
GARDENA, CA 90248
- EPA ID: CAD982034324
- Contact: MIKE TAYLOR MANAGER
- Contact address: 14422 S SAN PEDRO ST
GARDENA, CA 90248
- Contact country: US

SPECTRUM LABORATORY PRODUCTS INCORPORATED (Continued) **1000181891**

Contact telephone□	□□□□□□□□□□□□□□
Contact email□	□ot reported
□□A Region□	□□
□and type□	□ther land type
Classification□	□mall □mall □uantity □enerator
□escription□	Handler□generates more than □□□ and less than □□□□ kg of ha□ardous waste during any calendar month and accumulates less than □□□□ kg of ha□ardous waste at any time□or generates □□□ kg or less of ha□ardous waste during any calendar month, and accumulates more than □□□□ kg of ha□ardous waste at any time

□wner□□ perator □ummary□

□wner□operator name□	□AU□ □UR□
□wner□operator address□	□□T R□□ UIR□□ □□T R□□ UIR□□, M□ □□□□□
□wner□operator country□	□ot reported
□wner□operator telephone□	□□□□□□□□□□□□□□
□wner□operator email□	□ot reported
□wner□operator fa□□	□ot reported
□wner□operator e□tension□	□ot reported
□egal status□	□rivate
□wner□□ perator Type□	□wner
□wner□□ p start date□	□ot reported
□wner□□ p end date□	□ot reported

Handler Activities □ummary□

U.□. importer of ha□ardous waste□	□o
Mi□ed waste □ha□. and radioactive□□	□o
Recycler of ha□ardous waste□	□o
Transporter of ha□ardous waste□	□o
Treater, storer or disposer of H□ □	□o
Underground in□ection activity□	□o
□n□site □urner e□emption□	□o
Furnace e□emption□	□o
Used oil fuel □urner□	□o
Used oil processor□	□o
User oil refiner□	□o
Used oil fuel marketer to □urner□	□o
Used oil □pecification marketer□	□o
Used oil transfer facility□	□o
Used oil transporter□	□o

Facility Has Received □otices of □iolations□

Regulation violated□	F □□□□.□□.□
Area of violation□	□enerators □□eneral
□ate violation determined□	□□□□□□□□□□□□ □□□□□□□□□□.□
□ate achieved compliance□	□□□□□□□□□□□□ □□□□□□□□□□.□
□iolation lead agency□	□□A
□nforcement action□	□ RITT□□ I□F□RMA□
□nforcement action date□	□□□□□□□□□□□□ □□□□□□□□□□.□
□nf. disposition status□	□ot reported
□nf. disp. status date□	□ot reported
□nforcement lead agency□	□□A
□roposed penalty amount□	□ot reported
Final penalty amount□	□ot reported
□aid penalty amount□	□ot reported

SPECTRUM LABORATORY PRODUCTS INCORPORATED (Continued) **1000181891**

Regulation violated□	F □□□□.□□.□
Area of violation□	□enerators □□eneral
□ate violation determined□	□□□□□□□□□□□□ □□□□□□□□□□□□.□
□ate achieved compliance□	□□□□□□□□□□□□ □□□□□□□□□□□□.□
□iolation lead agency□	□□A
□nforcement action□	□ot reported
□nforcement action date□	□□□□□□□□□□□□ □□□□□□□□□□□□.□
□nf. disposition status□	□ot reported
□nf. disp. status date□	□ot reported
□nforcement lead agency□	□□A
□roposed penalty amount□	□ot reported
Final penalty amount□	□ot reported
□aid penalty amount□	□ot reported

□valuation □ummary□

□valuation date□	□□□□□□□□□□□□ □□□□□□□□□□□□.□
□valuation□	C□ M□□IA□ C□ □□A□UATI□□ I□□□□CTI□□ □□□□IT□
Area of violation□	□enerators □□eneral
□ate achieved compliance□	□□□□□□□□□□□□ □□□□□□□□□□□□.□
□valuation lead agency□	□□A

□□□IR□□T□R□

□ame□	□□□CTRUM CH□MICA□
Address□	□□□□□□ □ □A□ □□□R□ □TR□□T
City,□tate,□ip□	□AR□□□A, CA □□□□□
Facility I□□	□□□□□□□□□
□tatus□	Active
□tatus □ate□	□□□□□□□□□□□□
□ite Code□	□□□□□□□
□ite Type□	□valuation
□ite Type □etailed□	□valuation
Acres□	□
□□□□□	□□
Regulatory Agencies□	□M□R□
□ead Agency□	□M□R□
□rogram Manager□	□aura Radke
□upervisor□	□uli □ropes
□ivision □ranch□	Cleanup Chatsworth
Assem□ly□	□□
□enate□	□□
□pecial □rogram□	□□A □□A□I
Restricted Use□	□□
□ite Mgmt Re□□	□□□□ □□□CIFI□□
Funding□	□ot Applica□le
□atitude□	□□.□□□□□□
□ongitude□	□□□□.□□□□
A□□□	□□□□ □□□CIFI□□
□ast Use□	□□□□ □□□CIFI□□
□otential C□ C□	□□□□ □□□CIFI□□
Confirmed C□ C□	□□□□ □□□CIFI□□
□otential □escription□	□□□□ □□□CIFI□□
Alias □ame□	□□□□□□□□□
Alias Type□	Former □ro□ect I□
Alias □ame□	□□□□□□□
Alias Type□	□ro□ect Code □□ite Code□
Alias □ame□	□□□□□□□□□
Alias Type□	□nvirostor I□ □um□er

SPECTRUM LABORATORY PRODUCTS INCORPORATED (Continued) **1000181891**

Completed Info□

Completed Area □ame□	□R□ □□CT □ I□□
Completed □u□ Area □ame□	□ot reported
Completed □ocument Type□	Correspondence
Completed □ate□	□□□□□□□□□□
Comments□	□ot reported
Completed Area □ame□	□R□ □□CT □ I□□
Completed □u□ Area □ame□	□ot reported
Completed □ocument Type□	□A□□I □iscovery
Completed □ate□	□□□□□□□□□□
Comments□	□ot reported
Completed Area □ame□	□R□ □□CT □ I□□
Completed □u□ Area □ame□	□ot reported
Completed □ocument Type□	Correspondence
Completed □ate□	□□□□□□□□□□
Comments□	□ot reported
Future Area □ame□	□ot reported
Future □u□ Area □ame□	□ot reported
Future □ocument Type□	□ot reported
Future □ue □ate□	□ot reported
□chedule Area □ame□	□ot reported
□chedule □u□ Area □ame□	□ot reported
□chedule □ocument Type□	□ot reported
□chedule □ue □ate□	□ot reported
□chedule Revised □ate□	□ot reported

HI□T U□T□

□ame□	□□□CTRUM CH□MICA□ MF□. C□R□.
Address□	□□□□□ □ □A□ □□□R□ □T
City,□tate,□ip□	□AR□□□A, CA □□□□□
File □um□er□	□ot reported
UR□□	□ot reported
Region□	□TAT□
Facility I□□	□□□□□□□□□□□
Facility Type□	□ther
□ther Type□	CH□MICA□
Contact □ame□	RICHAR□ □T□□□□□
Telephone□	□□□□□□□□□□
□wner □ame□	□□□CTRUM CH□MICA□ MF□. C□R□.
□wner Address□	□□□□□ □□UTH □A□ □□□R□ □TR□□T
□wner City,□t,□ip□	□AR□□□A, CA □□□□□
Total Tanks□	□□□□
Tank □um□	□□□
Container □um□	□
□ear Installed□	□□□□
Tank Capacity□	□□□□□□□□
Tank Used for□	□R□ □UCT
Type of Fuel□	□ot reported
Container Construction Thickness□	□□□□
□eak □etection□	□tock Inventor
Tank □um□	□□□

SPECTRUM LABORATORY PRODUCTS INCORPORATED (Continued) **1000181891**

Container □um□	□
□ear Installed□	□□□□
Tank Capacity□	□□□□□□□□
Tank Used for□	□R□ □UCT
Type of Fuel□	□ot reported
Container Construction Thickness□	□□□
□eak □etection□	□tock Inventor

Tank □um□	□□□
Container □um□	□
□ear Installed□	□□□□
Tank Capacity□	□□□□□□□□
Tank Used for□	□R□ □UCT
Type of Fuel□	□ot reported
Container Construction Thickness□	□□□
□eak □etection□	□tock Inventor

Tank □um□	□□□
Container □um□	□
□ear Installed□	□□□□
Tank Capacity□	□□□□□□□□
Tank Used for□	□R□ □UCT
Type of Fuel□	□ot reported
Container Construction Thickness□	□□□
□eak □etection□	□tock Inventor

FTT□ I□□□□

Inspection □um□er□	□□□□□□□□R□□□□ □
Region□	□□
Inspection □ate□	□□□□□□□□
Inspector□	□□□I□□
□iolation occurred□	□o
Investigation Type□	□□CRA, □nforcement, □□□ Conducted
Investigation Reason□	□eutral □cheme, Region
□egislation Code□	□□CRA
Facility Function□	User

HI□T FTT□ I□□□□

Inspection □um□er□	□□□□□□□□R□□□□ □
Region□	□□
Inspection □ate□	□ot reported
Inspector□	□□□I□□
□iolation occurred□	□o
Investigation Type□	□□CRA, □nforcement, □□□ Conducted
Investigation Reason□	□eutral □cheme, Region
□egislation Code□	□□CRA
Facility Function□	User

□□ □ A□□ □□□□ C□. HM□□

□ame□	□□□CTRUM □A□□RAT□ R□ □R□ □UCT□
Address□	□□□□□ □ □A□ □□□R□ □T
City,□tate,□ip□	□AR□□□A, CA □□□□□□□□□
Region□	□A
□ermit Category□	I

SPECTRUM LABORATORY PRODUCTS INCORPORATED (Continued) **1000181891**

Facility Id□ □□□□□□□□I□□□□□□
Facility Type□ □□
Facility □tatus□ □ermit
Area□ □□
□ermit □um□er□ □□□□□□□□□□
□ermit □tatus□ □ermit

□ame□ □□□CTRUM □A□□ RAT□ R□ □R□□UCT□
Address□ □□□□□ □ □A□ □□□R□ □T
City,□tate,□ip□ □AR□□□A, CA □□□□□□□□□□
Region□ □A
□ermit Category□ □
Facility Id□ □□□□□□□□□□□□□□□
Facility Type□ □□
Facility □tatus□ □ermit
Area□ □□
□ermit □um□er□ C□ I□□□□□□□
□ermit □tatus□ □ermit

□□□□□□

□ame□ □□□CTRUM □A□□ RAT□ R□ □R□□ I□C
Address□ □□□□□ □ □A□ □□□R□ □T
City,□tate,□ip□ R□□□□ □□□, CA □□□□□
Facility □tatus□ □ot reported
□□□□□ □um□er□ □ot reported
Region□ □ot reported
Agency □um□er□ □ot reported
Regulatory Measure I□□ □ot reported
□lace I□□ □ot reported
□rder □um□er□ □ot reported
□ □I□□ □ □□I□□□□□□
Regulatory Measure Type□ Industrial
□rogram Type□ □ot reported
Adoption □ate □f Regulatory Measure□ □ot reported
□ffective □ate □f Regulatory Measure□ □ot reported
Termination □ate □f Regulatory Measure□ □ot reported
□□piration □ate □f Regulatory Measure□ □ot reported
□ischarge Address□ □ot reported
□ischarge □ame□ □ot reported
□ischarge City□ □ot reported
□ischarge □tate□ □ot reported
□ischarge □ip□ □ot reported
□tatus□ Active
□tatus □ate□ □□□□□□□□□□
□perator □ame□ □pectrum □a□oratory □roduct Inc
□perator Address□ □□□□□ □ □an □edro □t
□perator City□ □ardena
□perator □tate□ California
□perator □ip□ □□□□□

□□□□□ as of □□□□□□□□
□□□□□ □um□er□ CA□□□□□□□
□tatus□ Active
Agency □um□er□ □
Region□ □
Regulatory Measure I□□ □□□□□□
□rder □um□er□ □□□□□□□□□□ □

SPECTRUM LABORATORY PRODUCTS INCORPORATED (Continued) **1000181891**

Regulatory Measure Type□	□nrollee
□lace I□□	□ot reported
□ □I□□	□ □□I□□□□□□
□rogram Type□	Industrial
Adoption □ate □f Regulatory Measure□	□ot reported
□ffective □ate □f Regulatory Measure□	□□□□□□□□□□
□□piration □ate □f Regulatory Measure□	□ot reported
Termination □ate □f Regulatory Measure□	□ot reported
□ischarge □ame□	□pectrum □a□oratory □roduct Inc
□ischarge Address□	□□□□□ □ □an □edro □t
□ischarge City□	□ardena
□ischarge □tate□	California
□ischarge □ip□	□□□□□
Received □ate□	□ot reported
□rocessed □ate□	□ot reported
□tatus□	□ot reported
□tatus □ate□	□ot reported
□lace □i□e□	□ot reported
□lace □i□e Unit□	□ot reported
Contact□	□ot reported
Contact Title□	□ot reported
Contact □hone□	□ot reported
Contact □hone □□t□	□ot reported
Contact □mail□	□ot reported
□perator □ame□	□ot reported
□perator Address□	□ot reported
□perator City□	□ot reported
□perator □tate□	□ot reported
□perator □ip□	□ot reported
□perator Contact□	□ot reported
□perator Contact Title□	□ot reported
□perator Contact □hone□	□ot reported
□perator Contact □hone □□t□	□ot reported
□perator Contact □mail□	□ot reported
□perator Type□	□ot reported
□eveloper□	□ot reported
□eveloper Address□	□ot reported
□eveloper City□	□ot reported
□eveloper □tate□	□ot reported
□eveloper □ip□	□ot reported
□eveloper Contact□	□ot reported
□eveloper Contact Title□	□ot reported
Constype □inear Utility Ind□	□ot reported
□mergency □hone□	□ot reported
□mergency □hone □□t□	□ot reported
Constype A□ove □round Ind□	□ot reported
Constype □elow □round Ind□	□ot reported
Constype Ca□le □ine Ind□	□ot reported
Constype Comm □ine Ind□	□ot reported
Constype Commertial Ind□	□ot reported
Constype □lectrical □ine Ind□	□ot reported
Constype □as □ine Ind□	□ot reported
Constype Industrial Ind□	□ot reported
Constype □ther □escription□	□ot reported
Constype □ther Ind□	□ot reported
Constype Recons Ind□	□ot reported
Constype Residential Ind□	□ot reported

SPECTRUM LABORATORY PRODUCTS INCORPORATED (Continued) **1000181891**

Constype Transport Ind	ot reported
Constype Utility escription	ot reported
Constype Utility Ind	ot reported
Constype ater ewer Ind	ot reported
ir ischarge Uswater Ind	ot reported
Receiving ater ame	ot reported
Certifier	ot reported
Certifier Title	ot reported
Certification ate	ot reported
rimary ic	ot reported
econdary ic	ot reported
Tertiary ic	ot reported
um er	ot reported
tatus	ot reported
Agency um er	ot reported
Region	
Regulatory Measure I	
rder um er	ot reported
Regulatory Measure Type	Industrial
lace I	ot reported
I	I
rogram Type	ot reported
Adoption ate f Regulatory Measure	ot reported
ffective ate f Regulatory Measure	ot reported
piration ate f Regulatory Measure	ot reported
Termination ate f Regulatory Measure	ot reported
ischarge ame	ot reported
ischarge Address	ot reported
ischarge City	ot reported
ischarge tate	ot reported
ischarge ip	ot reported
Received ate	
rocessed ate	
tatus	Active
tatus ate	
lace i e	
lace i e Unit	Ft
Contact	MART a en
Contact Title	irector of cientific and Technical Affairs
Contact hone	
Contact hone t	
Contact mail	mla en spectrumchemical.com
perator ame	pectrum a oratory roduct Inc
perator Address	an edro t
perator City	ardena
perator tate	California
perator ip	
perator Contact	Marty a en
perator Contact Title	ot reported
perator Contact hone	
perator Contact hone t	
perator Contact mail	mla en spectrumchemical.com
perator Type	rivate usiness
eveloper	ot reported
eveloper Address	ot reported
eveloper City	ot reported

SPECTRUM LABORATORY PRODUCTS INCORPORATED (Continued) **1000181891**

□eveloper □tate□	California
□eveloper □ip□	□ot reported
□eveloper Contact□	□ot reported
□eveloper Contact Title□	□ot reported
Constype □inear Utility Ind□	□ot reported
□mergency □hone□	□□□□□□□□□□□□
□mergency □hone □□t□	□ot reported
Constype A□ove □round Ind□	□ot reported
Constype □elow □round Ind□	□ot reported
Constype Ca□le □ine Ind□	□ot reported
Constype Comm □ine Ind□	□ot reported
Constype Commertial Ind□	□ot reported
Constype □lectrical □ine Ind□	□ot reported
Constype □as □ine Ind□	□ot reported
Constype Industrial Ind□	□ot reported
Constype □ther □escription□	□ot reported
Constype □ther Ind□	□ot reported
Constype Recons Ind□	□ot reported
Constype Residential Ind□	□ot reported
Constype Transport Ind□	□ot reported
Constype Utility □escription□	□ot reported
Constype Utility Ind□	□ot reported
Constype □ ater □ewer Ind□	□ot reported
□ir □ischarge Uswater Ind□	□
Receiving □ ater □ame□	□os Angeles River
Certifier□	Ronald □acock
Certifier Title□	□enior Chemist
Certification □ate□	□□□MAR□□□
□rimary □ic□	□□□□□Chemicals and Chemical □reparations, □□C
□econdary □ic□	□ot reported
Tertiary □ic□	□ot reported

□ame□	□□□CTRUM □A□□RAT□R□ □R□□ I□C
Address□	□□□□□ □ □A□ □□□R□ □T
City,□tate,□ip□	R□ □□□ □□□, CA □□□□□
Facility □tatus□	Active
□□□□□ □um□er□	CA□□□□□□□
Region□	□
Agency □um□er□	□
Regulatory Measure I□□	□□□□□□
□lace I□□	□ot reported
□rder □um□er□	□□□□□□□□□ □
□ □I□□	□ □□I□□□□□□
Regulatory Measure Type□	□nrollee
□rogram Type□	Industrial
Adoption □ate □f Regulatory Measure□	□ot reported
□ffective □ate □f Regulatory Measure□	□□□□□□□□□□
Termination □ate □f Regulatory Measure□	□ot reported
□□piration □ate □f Regulatory Measure□	□ot reported
□ischarge Address□	□□□□□ □ □an □edro □t
□ischarge □ame□	□pectrum □a□oratory □roduct Inc
□ischarge City□	□ardena
□ischarge □tate□	California
□ischarge □ip□	□□□□□
□tatus□	□ot reported
□tatus □ate□	□ot reported

SPECTRUM LABORATORY PRODUCTS INCORPORATED (Continued) **1000181891**

□perator □ame□	□ot reported
□perator Address□	□ot reported
□perator City□	□ot reported
□perator □tate□	□ot reported
□perator □ip□	□ot reported

□□□□□ as of □□□□□□□□

□□□□□ □um□er□	CA□□□□□□□
□tatus□	Active
Agency □um□er□	□
Region□	□
Regulatory Measure I□□	□□□□□□
□rder □um□er□	□□□□□□□□□ □
Regulatory Measure Type□	□nrollee
□lace I□□	□ot reported
□ □I□□	□ □□I□□□□□□
□rogram Type□	Industrial
Adoption □ate □f Regulatory Measure□	□ot reported
□ffective □ate □f Regulatory Measure□	□□□□□□□□□□
□□piration □ate □f Regulatory Measure□	□ot reported
Termination □ate □f Regulatory Measure□	□ot reported
□ischarge □ame□	□pectrum □a□oratory □roduct Inc
□ischarge Address□	□□□□□ □ □an □edro □t
□ischarge City□	□ardena
□ischarge □tate□	California
□ischarge □ip□	□□□□□
Received □ate□	□ot reported
□rocessed □ate□	□ot reported
□tatus□	□ot reported
□tatus □ate□	□ot reported
□lace □i□e□	□ot reported
□lace □i□e Unit□	□ot reported
Contact□	□ot reported
Contact Title□	□ot reported
Contact □hone□	□ot reported
Contact □hone □□t□	□ot reported
Contact □mail□	□ot reported
□perator □ame□	□ot reported
□perator Address□	□ot reported
□perator City□	□ot reported
□perator □tate□	□ot reported
□perator □ip□	□ot reported
□perator Contact□	□ot reported
□perator Contact Title□	□ot reported
□perator Contact □hone□	□ot reported
□perator Contact □hone □□t□	□ot reported
□perator Contact □mail□	□ot reported
□perator Type□	□ot reported
□eveloper□	□ot reported
□eveloper Address□	□ot reported
□eveloper City□	□ot reported
□eveloper □tate□	□ot reported
□eveloper □ip□	□ot reported
□eveloper Contact□	□ot reported
□eveloper Contact Title□	□ot reported
Constype □inear Utility Ind□	□ot reported
□mergency □hone□	□ot reported
□mergency □hone □□t□	□ot reported

SPECTRUM LABORATORY PRODUCTS INCORPORATED (Continued) **1000181891**

Constype A□ove □round Ind□	□ot reported
Constype □elow □round Ind□	□ot reported
Constype Ca□le □ine Ind□	□ot reported
Constype Comm □ine Ind□	□ot reported
Constype Commertial Ind□	□ot reported
Constype □lectrical □ine Ind□	□ot reported
Constype □as □ine Ind□	□ot reported
Constype Industrial Ind□	□ot reported
Constype □ther □escription□	□ot reported
Constype □ther Ind□	□ot reported
Constype Recons Ind□	□ot reported
Constype Residential Ind□	□ot reported
Constype Transport Ind□	□ot reported
Constype Utility □escription□	□ot reported
Constype Utility Ind□	□ot reported
Constype □ ater □ewer Ind□	□ot reported
□ir □ischarge Uswater Ind□	□ot reported
Receiving □ ater □ame□	□ot reported
Certifier□	□ot reported
Certifier Title□	□ot reported
Certification □ate□	□ot reported
□rimary □ic□	□ot reported
□econdary □ic□	□ot reported
Tertiary □ic□	□ot reported
□□□□□ □um□er□	□ot reported
□tatus□	□ot reported
Agency □um□er□	□ot reported
Region□	□
Regulatory Measure I□□	□□□□□□
□rder □um□er□	□ot reported
Regulatory Measure Type□	Industrial
□lace I□□	□ot reported
□ □I□□	□ □□I□□□□□□
□rogram Type□	□ot reported
Adoption □ate □f Regulatory Measure□	□ot reported
□ffective □ate □f Regulatory Measure□	□ot reported
□□piration □ate □f Regulatory Measure□	□ot reported
Termination □ate □f Regulatory Measure□	□ot reported
□ischarge □ame□	□ot reported
□ischarge Address□	□ot reported
□ischarge City□	□ot reported
□ischarge □tate□	□ot reported
□ischarge □ip□	□ot reported
Received □ate□	□□□□□□□□□□□□
□rocessed □ate□	□□□□□□□□□□□□
□tatus□	Active
□tatus □ate□	□□□□□□□□□□□□
□lace □i□e□	□□□□□□
□lace □i□e Unit□	□□Ft
Contact□	MART□ □a□en□
Contact Title□	□irector of □cientific and Technical Affairs
Contact □hone□	□□□□□□□□□□□□
Contact □hone □□t□	□□□□□
Contact □mail□	mla□en□□ spectrumchemical.com
□perator □ame□	□pectrum □a□oratory □roduct Inc
□perator Address□	□□□□□□ □ □an □edro □t

SPECTRUM LABORATORY PRODUCTS INCORPORATED (Continued) **1000181891**

perator City	ardena
perator tate	California
perator ip	
perator Contact	Marty a en
perator Contact Title	ot reported
perator Contact hone	
perator Contact hone t	
perator Contact mail	mla en spectrumchemical.com
perator Type	rivate usiness
eveloper	ot reported
eveloper Address	ot reported
eveloper City	ot reported
eveloper tate	California
eveloper ip	ot reported
eveloper Contact	ot reported
eveloper Contact Title	ot reported
Constype inear Utility Ind	ot reported
mergency hone	
mergency hone t	ot reported
Constype A ove round Ind	ot reported
Constype elow round Ind	ot reported
Constype Ca le ine Ind	ot reported
Constype Comm ine Ind	ot reported
Constype Commertial Ind	ot reported
Constype lectrical ine Ind	ot reported
Constype as ine Ind	ot reported
Constype Industrial Ind	ot reported
Constype ther escription	ot reported
Constype ther Ind	ot reported
Constype Recons Ind	ot reported
Constype Residential Ind	ot reported
Constype Transport Ind	ot reported
Constype Utility escription	ot reported
Constype Utility Ind	ot reported
Constype ater ewer Ind	ot reported
ir ischarge Uswater Ind	
Receiving ater ame	os Angeles River
Certifier	Ronald acock
Certifier Title	enior Chemist
Certification ate	MAR
rimary ic	Chemicals and Chemical reparations, C
econdary ic	ot reported
Tertiary ic	ot reported

ame	CTRUM UA IT R I C
Address	an edro t
City	AR A
Facility I	I
Facility Type	Industrial Facility that treats and or disposes of li uid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship uilding and repairing, oil production, storage and disposal operations, water pumping.
Facility tatus	Active Any facility with a continuous or seasonal discharge that is

SPECTRUM LABORATORY PRODUCTS INCORPORATED (Continued) **1000181891**

	under □ aste □ischarge Re□uirements.
□□□□□ □um□er□	CA□□□□□□□ The □st □ characters designate the state. The remaining □ are assigned □y the Regional □oard
□u□region□	□
Facility Telephone□	□□□□□□□□□□□
Facility Contact□	MART□ □A□□□□
Agency □ame□	□□□CTRUM □UA□IT□ □R□□ I□C
Agency Address□	□□□□□ □ □an □edro □t
Agency City,□t,□ip□	□ardena □□□□□□□□□
Agency Contact□	□AR□ □I□A
Agency Telephone□	□□□□□□□□□□□
Agency Type□	□rivate
□IC Code□	□
□IC Code □□	□ot reported
□rimary □ aste Type□	□ot reported
□rimary □ aste□	□ot reported
□ aste Type□□	□ot reported
□ aste□□	□ot reported
□rimary □ aste Type□	□ot reported
□econdary □ aste□	□ot reported
□econdary □ aste Type□□	ot reported
□esign Flow□	□
□aseline Flow□	□
Reclamation□	□ot reported
□□T□ □	□ot reported
Treat To □ ater□	Minor Threat to □ ater □uality. A violation of a regional □oard order should cause a relatively minor impairment of □eneficial uses compared to a ma□or or minor threat. □ot□All nurds without a TT□ □ will □e considered a minor threat to water □uality unless coded at a higher □evel. A □ero □□□may □e used to code those □UR□□ that are found to represent no threat to water □uality.
Comple□ity□	Category C □Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through □est management practices, facilities with passive waste treatment and disposal systems, such as septic systems with su□surface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CI□ □□□

□ame□	□□□CTRUM □A□□RAT□R□ □R□□ I□C
Address□	□□□□□ □ □A□ □□□R□ □T
City,□tate,□ip□	R□□□□ □□□, CA □□□□□
Agency□	□pectrum □a□oratory □roduct Inc
Agency Address□	□□□□□ □ □an □edro □t, □ardena, CA □□□□□
□lace□□ro□ect Type□	Industrial □Chemicals and Chemical □reparations, □□C
□IC□□AIC□□	□□□□
Region□	□
□rogram□	I□□□T□
Regulatory Measure □tatus□	Active
Regulatory Measure Type□	□torm water industrial
□rder □um□er□	□□□□□□□□□□□□□ □ □
□ □I□□	□ □□I□□□□□□
□□□□□ □um□er□	CA□□□□□□□
Adoption □ate□	□ot reported
□ffective □ate□	□□□□□□□□□□
Termination □ate□	□ot reported
□□piration□Review □ate□	□ot reported

□ite

□ata□ase□s□

SPECTRUM LABORATORY PRODUCTS INCORPORATED (Continued) **1000181891**

□esign Flow□	□ot reported
Ma□or□Minor□	□ot reported
Comple□ity□	□ot reported
TT□ □□	□ot reported
□nforcement Actions within □ years□	□
□iolations within □ years□	□
□atitude□	□□.□□□□□
□ongitude□	□□□□.□□□□□

C□R□□

□ame□	□□□CTRUM □A□□RAT□R□ □R□□ I□C
Address□	□□□□□ □ □A□ □□□R□ □T
City,□tate,□ip□	R□□□□ □□□, CA □□□□□
□ite I□□	□□□□□□□
C□R□ I□□	□□□□□□□
C□R□ □escription□	Industrial Facility □torm □ ater

□iolations□

□ite I□□	□□□□□□□
□ite □ame□	□pectrum □a□oratory □rod Inc
□iolation □ate□	□□□□□□□□□□□
Citation□	□□□□□□□□□□□□□□ □ □Industrial □eneral □ermit
□iolation □escription□	□□ □□ate Report
□iolation □otes□	failure to su□mit annual report □□□□□□□□
□iolation □ivision□	□ ater □oards
□iolation □rogram□	I□□□T□
□iolation □ource□	□MART□

□ite I□□	□□□□□□□
□ite □ame□	□pectrum □a□oratory □rod Inc
□iolation □ate□	□□□□□□□□□□□
Citation□	□□□□□□□□□□□□□□ □ □Industrial □eneral □ermit
□iolation □escription□	□□ □□ate Report
□iolation □otes□	□utstanding □□□□□□□□□□ AR
□iolation □ivision□	□ ater □oards
□iolation □rogram□	I□□□T□
□iolation □ource□	□MART□

□ite I□□	□□□□□□□
□ite □ame□	□pectrum □a□oratory □rod Inc
□iolation □ate□	□□□□□□□□□□□
Citation□	□□□□□□□□□□□□□□ □ □Industrial □eneral □ermit
□iolation □escription□	□□ □□ate Report
□iolation □otes□	failure to su□mit annual report □□□□□□□□
□iolation □ivision□	□ ater □oards
□iolation □rogram□	I□□□T□
□iolation □ource□	□MART□

□valuation□

□val □eneral Type□	Compliance □valuation Inspection
□val □ate□	□□□□□□□□□□□
□iolations Found□	□o
□val Type□	Industrial □torm □ ater Compliance □valuation
□val □otes□	□ot reported
□val □ivision□	□ ater □oards
□val □rogram□	I□□□T□
□val □ource□	□MART□

SPECTRUM LABORATORY PRODUCTS INCORPORATED (Continued) **1000181891**

nforcement Action

ite I	
ite ame	pectrum a oratory rod Inc
ite Address	A R T
ite City	R
ite ip	
nf Action ate	
nf Action Type	Industrial torm ater nforcement
nf Action escription	Industrial torm ater nforcement
nf Action otes	C for failure to su mit annual report ,
nf Action ivision	ater oards
nf Action rogram	I T
nf Action ource	MART

ite I	
ite ame	pectrum a oratory rod Inc
ite Address	A R T
ite City	R
ite ip	
nf Action ate	
nf Action Type	otice of iolation
nf Action escription	otice of iolation
nf Action otes	Failed to respond to C issued on . Re ordered to su mit AR.
nf Action ivision	ater oards
nf Action rogram	I T
nf Action ource	MART

ite I	
ite ame	pectrum a oratory rod Inc
ite Address	A R T
ite City	R
ite ip	
nf Action ate	
nf Action Type	Industrial torm ater nforcement
nf Action escription	Industrial torm ater nforcement
nf Action otes	u mit AR
nf Action ivision	ater oards
nf Action rogram	I T
nf Action ource	MART

Affiliation

Affiliation Type esc	wner perator
ntity ame	pectrum a oratory roduct Inc
ntity Title	perator
Affiliation Address	an edro t
Affiliation City	ardena
Affiliation tate	CA
Affiliation Country	ot reported
Affiliation ip	
Affiliation hone	ot reported

96
WSW
1/4-1/2
0.452 mi.
2384 ft.

BETHANY COMMUNITY CHURCH
14434 S. SAN PEDRO ST.
GARDENA, CA 90248

ENVIROSTOR **S106797559**
N/A

Relative:
Lower

Actual:
104 ft.

SITE 1 OF 1

Name:	BETHANY COMMUNITY CHURCH
Address:	14434 S. SAN PEDRO ST.
City,State,Zip:	GARDENA, CA 90248
Facility ID:	[illegible]
Status:	Refer: [illegible] Local Agency
Status Date:	[illegible]
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
[illegible]	[illegible]
Regulatory Agencies:	[illegible] CIFI[illegible]
Lead Agency:	[illegible] CIFI[illegible]
Program Manager:	Not reported
Supervisor:	Referred [illegible] Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	[illegible]
Senate:	[illegible]
Special Program:	Not reported
Restricted Use:	[illegible]
Site Mgmt Req:	[illegible] CIFI[illegible]
Funding:	Not Applicable
Latitude:	[illegible]
Longitude:	[illegible]
APN:	[illegible] CIFI[illegible]
Past Use:	[illegible] CIFI[illegible]
Potential COC:	[illegible] CIFI[illegible]
Confirmed COC:	[illegible] CIFI[illegible]
Potential Description:	[illegible] CIFI[illegible]
Alias Name:	[illegible]
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

Q97 **COLUMBIA MANUFACTURING CORP.** **LUST** **S103587490**
West **14400 SAN PEDRO ST S** **Cortese** **N/A**
1/4-1/2 **ROSEWOOD, CA 90248** **CERS**
0.453 mi.
2390 ft. **Site 3 of 3 in cluster Q**

Relative: LUST REG 2
Lower

Actual: **108 ft.**

Region:	2	
Regional Board:	2	
County:	Los Angeles	
Facility Id:	1[illegible]	
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:	T[illegible]	
Global Id:	Not reported	
Staff:	UN	
Local Agency:	[illegible]	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	[illegible]	
Date Leak First Reported:		[illegible]
Date Leak Record Entered:	[illegible]	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	[illegible]	
Date Case Last Changed on Database:		[illegible]
Date the Case was Closed:		[illegible]
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UN	
Leak Source:	UN	
Operator:	[illegible] CH, [illegible] H	
Water System:	Not reported	
Well Name:	Not reported	
Appro. Dist To Production Well (ft):		[illegible]
Source of Cleanup Funding:		UN
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		[illegible]
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
[illegible] Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	C[illegible]UMBIA MFG.	
RP Address:	[illegible] PA[illegible] [illegible] RD [illegible]T., [illegible]., [illegible] [illegible], CAR[illegible]A, [illegible]	
Program:	LUST	
Lat/Long:	[illegible].[illegible] [illegible]	
Local Agency Staff:	Not reported	

COLUMBIA MANUFACTURING CORP. (Continued) **S103587490**

□eneficial Use□ □ot reported
□riority□ □ot reported
Cleanup Fund Id□ □ot reported
□uspended□ □ot reported
Assigned □ame□ □ot reported
□ummary□ □ot reported

□U□T□
□ame□ C□ □UM□IA MA□UFACTURI□□ C□R□.
Address□ □□□□□ □A□ □□□R□ □T □
City,□tate,□ip□ R□□□□ □□□, CA □□□□□
□ead Agency□ □□ □ A□□□□□□ C□U□T□
Case Type□ □U□T Cleanup □ite
□eo Track□ http□□□geotracker.water□oards.ca.gov□profile□report.asp□glo□al□id□T□□□□□□□□□□□
□lo□al Id□ T□□□□□□□□□□
□atitude□ □□.□□□□□□□
□ongitude□ □□□□.□□□□□□□
□tatus□ Completed □Case Closed
□tatus □ate□ □□□□□□□□□
Case □ orker□ □□A
R□ Case □um□er□ I□□□□□□
□ocal Agency□ □□ □ A□□□□□□ C□U□T□
File □ocation□ □ot reported
□ocal Case □um□er□ □ot reported
□otential Media Affect□ □oil
□otential Contaminants of Concern□ □iesel
□ite History□ □ot reported

□U□T□
□lo□al Id□ T□□□□□□□□□□
Contact Type□ □ocal Agency Caseworker
Contact □ame□ □□H□ A□ U□□
□rgani□ation □ame□ □□ □ A□□□□□□ C□U□T□
Address□ □□□ □ FR□M□□T A□□
City□ A□HAM□RA
□mail□ □awu□o□ dpw.lacounty.gov
□hone □um□er□ □□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□
Contact Type□ Regional □oard Caseworker
Contact □ame□ □U□ R□□□
□rgani□ation □ame□ □□ □ A□□□□□□ R□ □C□ □R□□I□□ □□
Address□ □□□ □ . □TH □T., □UIT□ □□□
City□ □os Angeles
□mail□ yrong□ water□oards.ca.gov
□hone □um□er□ □ot reported

□U□T□
□lo□al Id□ T□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□□□□□□
Action□ □eak □iscovery

□lo□al Id□ T□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□□□□□□
Action□ □eak □topped

COLUMBIA MANUFACTURING CORP. (Continued) **S103587490**

□lo□al Id□ T□□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□□□□□□□□
Action□ □eak Reported

□U□T□
□lo□al Id□ T□□□□□□□□□□□
□tatus□ □pen □Case □egin □ate
□tatus □ate□ □□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□
□tatus□ □pen □□ite Assessment
□tatus □ate□ □□□□□□□□□□□

□lo□al Id□ T□□□□□□□□□□□
□tatus□ Completed □Case Closed
□tatus □ate□ □□□□□□□□□□□

C□RT□□□□
□ame□ C□□UM□IA MA□UFACTURI□□ C□R□.
Address□ □□□□□ □A□ □□□R□ □T □
City,□tate,□ip□ R□ □□□ □□□, CA □□□□□
Region□ C□RT□□□
□nvirostor Id□ □ot reported
□lo□al I□□ T□□□□□□□□□□□
□ite□Facility Type□ □U□T C□□A□U□ □IT□
Cleanup □tatus□ C□M□□T□□ □CA□□ C□□ □□□
□tatus □ate□ □ot reported
□ite Code□ □ot reported
□atitude□ □ot reported
□ongitude□ □ot reported
□wner□ □ot reported
□nf Type□ □ot reported
□wat R□ □ot reported
Flag□ active
□rder □o□ □ot reported
□ aste □ischarge □ystem □o□ □ot reported
□ffective □ate□ □ot reported
Region □□ □ot reported
□ I□ Id□ □ot reported
□olid □ aste Id □o□ □ot reported
□ aste Management Uit □ame□ □ot reported
File □ame□ Active □pen

C□R□□
□ame□ C□□UM□IA MA□UFACTURI□□ C□R□.
Address□ □□□□□ □A□ □□□R□ □T □
City,□tate,□ip□ R□ □□□ □□□, CA □□□□□
□ite I□□ □□□□□□
C□R□ I□□ T□□□□□□□□□□□
C□R□ □escription□ □eaking Underground □torage Tank Cleanup □ite

Affiliation□
Affiliation Type □esc□ □ocal Agency Caseworker
□ntity □ame□ □□ H□ A□ U□□ □□□□ A□□□□□□ C□U□T□

COLUMBIA MANUFACTURING CORP. (Continued) **S103587490**

□ntity Title□	□ot reported
Affiliation Address□	□□□ □ FR□M□□T A□□
Affiliation City□	A□HAM□RA
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□□□□□□□□□□
Affiliation Type □esc□	Regional □oard Caseworker
□ntity □ame□	□U□ R□□□ □□□□ A□□□□□□ R□ □C□ □R□□ I□□ □□
□ntity Title□	□ot reported
Affiliation Address□	□□□ □ . □TH □T., □UIT□ □□□
Affiliation City□	□os Angeles
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

P98 **MOUREN LAURENS OIL CO** **CPS-SLIC S106483990**
SSW **641 - 719 EAST COMPTON BLVD** **CERS N/A**
1/4-1/2 **COMPTON, CA 90025**
0.457 mi.
2412 ft. **Site 4 of 5 in cluster P**

Relative: C□□□□□IC□
Lower

Actual: **92 ft.**

□ame□	M□UR□□ □AUR□□□ □I□ C□
Address□	□□□ □□□□ □A□T C□ M□T□□ □□□□
City,□tate,□ip□	C□ M□T□ □, CA □□□□□
Region□	□TAT□
Facility Status:	**Open - Site Assessment**
□tatus □ate□	□□□□□□□□□□
□lo□al Id□	□□□□□□C□□□□
□ead Agency□	□□ □ A□□□□□□ R□ □C□ □R□□ I□□ □□
□ead Agency Case □um□er□	□ot reported
□atitude□	□□.□□□□□□□□□□□□□
□ongitude□	□□□□.□□□□□□□□□□□□□
Case Type□	Cleanup □rogram □ite
Case □ orker□	A□
□ocal Agency□	□ot reported
R□ Case □um□er□	□□□□
File □ocation□	Regional □oard
□otential Media Affected□	A□uifer used for drinking water supply, □ther □roundwater □uses other than drinking water□, □oil, □oil □apor
□otential Contaminants of Concern□	□ot reported
□ite History□	The Mouren □aurens □il Company □M□□ C□site is appro□imately □□□,□□□ s□uare feet in area and has access gates to Compton □oulevard on the south side. It currently has four large □uildings, loading docks, two large a□oveground storage containments, underground piping and paved parking. The site has □een historically used for various phases of receiving, processing, and packaging of waste oil and other ha□ardous materials since the □□□□s. The □ite was initially owned □y □oseph Mouren□□aurens and was later inherited □y his family. The site was sold to a foreclosing lender, Rev □□□, □□C., in □□□□. After the purchase of the site all the a□ove ground storage tank farms and the associated A□Ts, located at the north and west sides of the site, were decontaminated, demolished, and removed □y the new property owner. The concrete containment areas and surface soils at the site

MOUREN LAURENS OIL CO (Continued) **S106483990**

were decontaminated on the surface. However, significant su□surface soil and groundwater contamination remained. The property is not currently □eing used e□cept for a limited area on the west side which is rented □y a paving company. □ased on the site investigation conducted in □ovem□er □□□□ and □anuary □□□□, several chemicals of concern were detected in soil, soil gas, and groundwater□□,□□□ io□ane in soil at □□,□□□ a□ g□kg, □C□ in soil at □□,□□□ a□ g□kg, TC□ in soil at □,□□□ a□ g□kg, □,□,□□TM□ in soil at □□□,□□□ a□ g□kg, TC□ in groundwater at □,□□□ a□ g□□, □,□□□ io□ane in groundwater at □□□ a□ g□□, □□MA in groundwater at □□□ ng□□, and he□avalent chromium in groundwater at □□ a□ g□□, TC□ in soil□gas at □□,□□□ pp□v, and □C□ in soil□gas at □□,□□□ pp□v, □,□,□□TCA in soil gas at □,□□□ pp□v, □,□□□CA is soil□gas at □□,□□□ pp□v, and □,□□□ C□ is soil□gas at □□,□□□ pp□v. □epth to groundwater is at □□□□ feet □gs. A perched □one seems to e□ist at □□□□ feet □gs.

Click here to access the California □eoTracker records for this facility□

C□R□□
- □ame□ M□UR□□ □AUR□□□ □I□ C□
- Address□ □□□ □□□□ □A□T C□ M□T□ □□□□
- City,□tate,□ip□ C□ M□T□ □, CA □□□□
- □ite I□□ □□□□□□
- C□R□ I□□ □□□□□□C□□□□
- C□R□ □escription□ Cleanup □rogram □ite

Affiliation□
- Affiliation Type □esc□ Regional □oard Caseworker
- □ntity □ame□ A□□A□ □I□□I□UI □□□ □ A□□□□□ R□ □C□ □R□□I□□ □□
- □ntity Title□ □ot reported
- Affiliation Address□ □□□ □ . □TH □T., □UIT□ □□□
- Affiliation City□ □□ □ A□□□□□
- Affiliation □tate□ CA
- Affiliation Country□ □ot reported
- Affiliation □ip□ □ot reported
- Affiliation □hone□ □ot reported

P99 **MOUREN-LAURENE OIL CO.** **Notify 65** **S100178491**
SSW **641 E. COMPTON BLVD.** **N/A**
1/4-1/2 **COMPTON, CA**
0.466 mi.
2460 ft. **Site 5 of 5 in cluster P**

Relative: □□TIF□ □□□
Lower
- □ame□ M□UR□□□AUR□□□ □I□ C□.
- Address□ □□□ □. C□ M□T□ □ □□□□.

Actual: **91 ft.**
- City,□tate,□ip□ C□ M□T□ □, CA
- □ate Reported□ □ot reported
- □taff Initials□ □ot reported
- □oard File □um□er□ □ot reported
- Facility Type□ □ot reported
- □ischarge □ate□ □ot reported
- Issue □ate□ □ot reported
- Incident □escription□ □ot reported

R100 **VIKING FREIGHT SYSTEMS** **HIST CORTESE** **S103631262**
WSW **14719 SAN PEDRO** **N/A**
1/4-1/2 **GARDENA, CA 90248**
0.485 mi.
2561 ft. **Site 1 of 2 in cluster R**

Relative: HI T C RT
Lower
edr fname I I FR I HT T M
Actual: edr fadd A R
102 ft. City, tate, ip AR A, CA
Region C RT
Facility County Code
Reg y T A
Reg Id R

R101 **VIKING FREIGHT SYSTEMS** **LUST** **S103438024**
WSW **14719 SAN PEDRO ST S** **Cortese** **N/A**
1/4-1/2 **GARDENA, CA 90248** **CERS**
0.485 mi.
2561 ft. **Site 2 of 2 in cluster R**

Relative: U T R
Lower

Region		
Regional oard		
County	os Angeles	
Facility Id	R	
tatus	eak eing confirmed	
u stance	Hydrocar ons	
u stance uantity	ot reported	
ocal Case o	ot reported	
Case Type	oil	
A atement Method Used at the ite		T
lo al I	T	
lo al I	ot reported	
taff	U	
ocal Agency		
Cross treet	R CRA A	
nforcement Type	ot reported	
ate eak iscovered		
ate eak First Reported		
ate eak Record ntered		
ate Confirmation egan		
ate eak topped	ot reported	
ate Case ast Changed on ata ase		
ate the Case was Closed		ot reported
How eak iscovered	Tank Closure	
How eak topped	ot reported	
Cause of eak	U	
eak ource	Tank	
perator	CH	
ater ystem	ot reported	
ell ame	ot reported	
Appro . ist To roduction ell ft		.
ource of Cleanup Funding		Tank
reliminary ite Assessment orkplan u mitted		ot reported
reliminary ite Assessment egan		ot reported
ollution Characteri ation egan		ot reported
Remediation lan u mitted		ot reported
Remedial Action Underway		ot reported
ost Remedial Action Monitoring egan		ot reported

VIKING FREIGHT SYSTEMS (Continued) **S103438024**

□nforcement Action □ate□	□ot reported
Historical Ma□ MT□□ □ate□	□ot reported
Hist Ma□ MT□□ Conc in □roundwater□	□ot reported
Hist Ma□ MT□□ Conc in □oil□	□ot reported
□ignificant Interim Remedial Action Taken□	□ot reported
□□ □ualifier□	□ot reported
□oil □ualifier□	□ot reported
□rgani□ation□	□ot reported
□wner Contact□	□ot reported
Responsi□le □arty□	□I□I□□ FR□I□HT □□□T□M□
R□ Address□	□□□□□ □. □A□ □□□R□ A□□., □AR□□□A, CA □□□□□
□rogram□	□U□T
□at□□ong□	□□.□□□□□□□□ □□□
□ocal Agency □taff□	□ot reported
□eneficial Use□	□ot reported
□riority□	□ot reported
Cleanup Fund Id□	□ot reported
□uspended□	□ot reported
Assigned □ame□	□ot reported
□ummary□	T□H □F □□□□□□□M, □□□□□□M, □□□□□M □T□□ .□□□□□.□□□□.□□□□□.□□□□□M

□U□T□

□ame□	□I□I□□ FR□I□HT □□□T□M□
Address□	□□□□□ □A□ □□□R□ □T □
City,□tate,□ip□	□AR□□□A, CA □□□□□
□ead Agency□	□□ □ A□ □□□□□ R□ □C□ □R□□I□□ □□
Case Type□	□U□T Cleanup □ite
□eo Track□	http□□□geotracker.water□oards.ca.gov□profile□report.asp□glo□al□id□T□□□□□□□□□□□
□lo□al Id□	T□□□□□□□□□□□
□atitude□	□□.□□□□□□□
□ongitude□	□□□□.□□□□□□□
□tatus□	Completed □Case Closed
□tatus □ate□	□□□□□□□□□□
Case □ orker□	M□
R□ Case □um□er□	R□□□□□□
□ocal Agency□	□□ □ A□ □□□□ C□U□T□
File □ocation□	Regional □oard
□ocal Case □um□er□	□□□□□□□□□□□
□otential Media Affect□	□oil
□otential Contaminants of Concern□	□ther □olvent or □on□□etroleum Hydrocar□on
□ite History□	□ot reported

□U□T□

□lo□al Id□	T□□□□□□□□□□□
Contact Type□	□ocal Agency Caseworker
Contact □ame□	□□H□ A□ U□□
□rgani□ation □ame□	□□ □ A□ □□□□ C□U□T□
Address□	□□□ □ FR□M□□T A□□
City□	A□HAM□RA
□mail□	□awu□p□ dpw.lacounty.gov
□hone □um□er□	□□□□□□□□□□

□lo□al Id□	T□□□□□□□□□□□
Contact Type□	Regional □oard Caseworker
Contact □ame□	MA□ □□ □AIA□□
□rgani□ation □ame□	□□ □ A□ □□□□ R□ □C□ □R□□I□□ □□

VIKING FREIGHT SYSTEMS (Continued) **S103438024**

Address□ □□□ □ . □TH □T., □UIT□ □□□
City□ □□ □ A□□□□□□
□mail□ m□aiady□ water□oards.ca.gov
□hone □um□er□ □□□□□□□□□□

□U□T□

□lo□al Id□ T□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□□□□□
Action□ □eak □iscovery

□lo□al Id□ T□□□□□□□□□□
Action Type□ □□F□RC□M□□T
□ate□ □□□□□□□□
Action□ □otification □□reclosure

□lo□al Id□ T□□□□□□□□□□
Action Type□ □□F□RC□M□□T
□ate□ □□□□□□□□
Action□ Closure□□o Further Action □etter

□lo□al Id□ T□□□□□□□□□□
Action Type□ □□F□RC□M□□T
□ate□ □□□□□□□□
Action□ □ite □isit □Inspection □□ampling

□lo□al Id□ T□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□
Action□ □ther Report □□ocument

□lo□al Id□ T□□□□□□□□□□
Action Type□ □ther
□ate□ □□□□□□□□
Action□ □eak Reported

□lo□al Id□ T□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□
Action□ Monitoring Report □□uarterly

□lo□al Id□ T□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□
Action□ Monitoring Report □□uarterly

□lo□al Id□ T□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□
Action□ Monitoring Report □□uarterly

□lo□al Id□ T□□□□□□□□□□
Action Type□ R□□□□□□□
□ate□ □□□□□□□□
Action□ □oil and □ ater Investigation Report

□lo□al Id□ T□□□□□□□□□□

VIKING FREIGHT SYSTEMS (Continued) **S103438024**

Action Type□	□□F□ RC□M□□T
□ate□	□□□□□□□□□□□□
Action□	□taff □etter
□lo□al Id□	T□□□□□□□□□□□□
Action Type□	R□□□□□□□□
□ate□	□□□□□□□□□□□□
Action□	□ ell □estruction Report

□U□T□

□lo□al Id□	T□□□□□□□□□□□□
□tatus□	□pen □Case □egin □ate
□tatus □ate□	□□□□□□□□□□□□
□lo□al Id□	T□□□□□□□□□□□□
□tatus□	□pen □□ite Assessment
□tatus □ate□	□□□□□□□□□□□□
□lo□al Id□	T□□□□□□□□□□□□
□tatus□	Completed □Case Closed
□tatus □ate□	□□□□□□□□□□□□

C□RT□□□□

□ame□	□I□I□□ FR□I□HT □□□T□M□
Address□	□□□□□ □A□ □□□R□ □T □
City,□tate,□ip□	□AR□□□A, CA □□□□□
Region□	C□RT□□□
□nvirostor Id□	□ot reported
□lo□al I□□	T□□□□□□□□□□□
□ite□Facility Type□	□U□T C□□A□U□ □IT□
Cleanup □tatus□	C□M□□□T□□ □CA□□ C□□ □□□
□tatus □ate□	□ot reported
□ite Code□	□ot reported
□atitude□	□ot reported
□ongitude□	□ot reported
□wner□	□ot reported
□nf Type□	□ot reported
□wat R□	□ot reported
Flag□	active
□rder □o□	□ot reported
□ aste □ischarge □ystem □o□	□ot reported
□ffective □ate□	□ot reported
Region □□	□ot reported
□ I□ Id□	□ot reported
□olid □ aste Id □o□	□ot reported
□ aste Management Uit □ame□	□ot reported
File □ame□	Active □pen

C□R□□

□ame□	□I□I□□ FR□I□HT □□□T□M□
Address□	□□□□□ □A□ □□□R□ □T □
City,□tate,□ip□	□AR□□□A, CA □□□□□
□ite I□□	□□□□□□
C□R□ I□□	T□□□□□□□□□□□
C□R□ □escription□	□eaking Underground □torage Tank Cleanup □ite

VIKING FREIGHT SYSTEMS (Continued) **S103438024**

Affiliation□

Affiliation Type □esc□	□ocal Agency Caseworker
□ntity □ame□	□□ H□ A□ U□□ □□□□ A□□□□□□ C□U□T□
□ntity Title□	□ot reported
Affiliation Address□	□□□ □ FR□M□□T A□□
Affiliation City□	A□HAM□RA
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□□□□□□□□□□

Affiliation Type □esc□	Regional □oard Caseworker
□ntity □ame□	MA□□□ □AIA□□ □□□□ A□□□□□□ R□ □C□ □R□□ I□□ □□
□ntity Title□	□ot reported
Affiliation Address□	□□□ □ . □TH □T., □UIT□ □□□
Affiliation City□	□□ □ A□□□□□□
Affiliation □tate□	CA
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□□□□□□□□□□

---

102 **ATKINSON BRICK COMPANY** **SWF/LF** **S103441418**
NE **13633 SOUTH CENTRAL AVENUE** **WMUDS/SWAT** **N/A**
1/4-1/2 **LOS ANGELES, CA 90059** **HIST CORTESE**
0.497 mi. **CIWQS**
2623 ft. **CERS**

Relative: □□ □ A□□□□□□ C□. □F□
Lower

Actual:
103 ft.

□ame□	AT□I□□□□ □RIC□ C□M□A□□
Address□	□□□□□ □□UTH C□□TRA□ A□□□U□
City,□tate,□ip□	□□ □ A□□□□□, CA □□□□□
□ite I□□	□□□
Alt. Address□	□ot reported
□ite Contact□	□ot reported
□ite Contact □hone□	□□□□□□□□□□□□
□ite □mail□	□ot reported
□ite □ e□site□	□ot reported
□ite Type□	Inert □e□ris □ngineered Fill □peration
□ite □□ I□ □um□er□	□ot reported
□eginning □peration □ate□	□ot reported
□nding □peration □ate□	□ot reported
□ocal □nforcement Agency□	City of □os Angeles, □uilding and □afety
Ma□imun □epth Fill□Ft□□	□□
□ermitted Capacity□	□ot reported
□resent Use□	□andfilling □peration
Remaining Capacity□Million□□	□ot reported
□tatus□	Closed
□ aste Accepted□	Inert□
Hours of □peration□	□ot reported
□isposal Area □Acre□□	□ot reported

□etail As □f □□□□□□□□

□perator □ame□	Atkinson □rick Company
□perator Address□	□□□□□ Chemical □ane
□perator City□□tate□□ip□	Huntington □each, CA □□□□□
□perator Contact□	□ot reported
□perator Telephone□	□□□□□□□□□□□□

ATKINSON BRICK COMPANY (Continued) **S103441418**

□perator □mail□	to□incamp□ell□ aol.com
□wner □ame□	Atkinson □rick C□.
□wner Address□	□ot reported
□wner City□□tate□□ip□	CA
□wner Contact□	To□in Camp□el
□wner Telephone□	□□□□□□□□□□□□□
□wner □mail□	□ot reported

□ MU□□□□□ AT□

□dit □ate□	□ot reported
Comple□ity□	□ot reported
□rimary □ aste□	□ot reported
□rimary □ aste Type□	□ot reported
□econdary □ aste□	□ot reported
□econdary □ aste Type□	□ot reported
□ase Meridian□	□ot reported
□□I□□	□ot reported
Tonnage□	□
Regional □oard I□□	□ot reported
Municipal □olid □ aste□	False
□uperorder□	False
□pen To □u□lic□	False
□ aste □ist□	False
Agency Type□	□ot reported
Agency □ame□	AT□I□□□□ □RIC□ C□M□A□□
Agency □epartment□	□ot reported
Agency Address□	□ot reported
Agency City,□t,□ip□	□ot reported
Agency Contact□	□ot reported
Agency Telephone□	□ot reported
□and □wner □ame□	□ot reported
□and □wner Address□	□ot reported
□and □wner City,□t,□ip□	CA
□and □wner Contact□	□ot reported
□and □wner □hone□	□ot reported
Region□	□
Facility Type□	□ot reported
Facility □escription□	□ot reported
Facility Telephone□	□ot reported
□□ AT Facility □ame□	□ot reported
□rimary □IC□	□ot reported
□econdary □IC□	□ot reported
Comments□	□ot reported
□ast Facility □ditors□	□ot reported
□ aste □ischarge □ystem□	False
□olid □ aste Assessment Test □rogram□	True
To□ic □its Cleanup Act □rogram□	False
Resource Conservation Recovery Act□	False
□epartment of □efence□	False
□olid □ aste Assessment Test □rogram□	AT□I□□□□ □RIC□ C□M□A□□
Threat to □ ater □uality□	□ot reported
□u□ Chapter □□□	False
Regional □oard □ro□ect □fficer□	□T
□um□er of □ MU□□ at Facility□	□
□ection Range□	□ot reported
RCRA Facility□	□ot reported
□ aste □ischarge Re□uirements□	□ot reported

ATKINSON BRICK COMPANY (Continued) **S103441418**

elf Monitoring Rept. Fre uency ot reported
aste ischarge ystem I UR
olid aste Information I ot reported

HI T C RT
edr fname AT I RIC C M A
edr fadd C TRA
City, tate, ip C M T , CA
Region C RT
Facility County Code
Reg y T A
Reg Id R

CI
ame AT I RIC C
Address C TRA
City, tate, ip A , CA
Agency Atkinson rick Co
Agency Address Chemical n, Huntington each, CA
lace ro ect Type Industrial rick and tructural Clay Tile
IC AIC
Region
rogram I T
Regulatory Measure tatus Terminated
Regulatory Measure Type torm water industrial
rder um er
I I
um er CA
Adoption ate ot reported
ffective ate
Termination ate
piration Review ate ot reported
esign Flow ot reported
Ma or Minor ot reported
Comple ity ot reported
TT ot reported
nforcement Actions within years
iolations within years
atitude
ongitude

C R
ame AT I RIC C M A
Address UTH C TRA A U
City, tate, ip A , CA
ite I
C R I
C R escription U A Air mission Inventory ystem I

Affiliation
Affiliation Type esc nvironmental Contact
ntity ame T I CAM
ntity Title ot reported
Affiliation Address CH MICA A
Affiliation City HU TI T ACH
Affiliation tate ot reported

ATKINSON BRICK COMPANY (Continued) **S103441418**

Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported
Affiliation Type □esc□	□roperty □wner
□ntity □ame□	AT□I□□□□ I□□□□TM□□T□ □□
□ntity Title□	□ot reported
Affiliation Address□	□□□□□ CH□MICA□ □A□□
Affiliation City□	HU□TI□□ T□□□□ACH
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported
Affiliation Type □esc□	Regional □oard Caseworker
□ntity □ame□	□ □□ □A□□ □□□ A□□□□□□ R□ □C□ R□□□ □TH
□ntity Title□	□ot reported
Affiliation Address□	□□□ □ □TH □T □A □UIT□ □□□
Affiliation City□	□□ □A□□□□□□
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

S103 **CENTRAL AIRPORT** **ENVIROSTOR** **S107736100**
NE **N/A**
1/2-1 **COMPTON, CA**
0.683 mi.
3608 ft. **Site 1 of 2 in cluster S**

Relative: □□□IR□□T□R□
Lower

□ame□	C□□TRA□ AIR□□RT
Address□	□ot reported
City,□tate,□ip□	C□M□T□□, CA
Facility I□□	□□□□□□□□
□tatus□	Inactive □□eeds □valuation
□tatus □ate□	□□□□□□□□□□
□ite Code□	□ot reported
□ite Type□	Military □valuation
□ite Type □etailed□	FU□□
Acres□	□
□□□□	□□
Regulatory Agencies□	□M□R□
□ead Agency□	□M□R□
□rogram Manager□	□ot reported
□upervisor□	□ouglas □autista
□ivision □ranch□	Cleanup Cypress
Assem□ly□	□□
□enate□	□□
□pecial □rogram□	□ot reported
Restricted Use□	□□
□ite Mgmt Re□□	□□□□ □□□CIFI□□
Funding□	□□RA
□atitude□	□□.□□□□□□
□ongitude□	□□□□.□□
A□□□	□□□□ □□□CIFI□□
□ast Use□	□□□□ □□□CIFI□□

CENTRAL AIRPORT (Continued) **S107736100**

□otential C□ C□ □□□□ □□□CIFI□□
Confirmed C□ C□ □□□□ □□□CIFI□□
□otential □escription□ □□□□ □□□CIFI□□
Alias □ame□ CA□□□□□F□□□□□□
Alias Type□ Federal Facility I□
Alias □ame□ □□□CA□□□□
Alias Type□ I□□R
Alias □ame□ □□□□□□□□
Alias Type□ □nvirostor I□ □um□er

Completed Info□
Completed Area □ame□ □R□ □□CT □ I□□
Completed □u□ Area □ame□ □ot reported
Completed □ocument Type□ Inventory □ro□ect Report □I□□R□
Completed □ate□ □□□□□□□□
Comments□ □ot reported

Future Area □ame□ □ot reported
Future □u□ Area □ame□ □ot reported
Future □ocument Type□ □ot reported
Future □ue □ate□ □ot reported
□chedule Area □ame□ □ot reported
□chedule □u□ Area □ame□ □ot reported
□chedule □ocument Type□ □ot reported
□chedule □ue □ate□ □ot reported
□chedule Revised □ate□ □ot reported

S104 **CENTRAL AIRPORT** **FUDS** **1024903909**
NE **N/A**
1/2-1 **COMPTON, CA**
0.684 mi.
3609 ft. **Site 2 of 2 in cluster S**

Relative: FU□□□
Lower
Actual: □□A Region□ □□
91 ft. Installation I□□ CA□□□□□F□□□□□□
Congressional □istrict □um□er□ □□
Facility □ame□ C□□TRA□ AIR□□RT
FU□□ □um□er□ □□□CA□□□□
City□ C□M□T□□
□tate□ CA
County□ □□□A□□□□□□
□□□□ect I□□ □□□□
U□AC□ □istrict□ □os Angeles □istrict □□□□
□tatus□ □roperties without pro□ects
Current □wner□ □rivate □ector
□M□ Map □ink□ https□□□udsportal.usace.army.mil□ems□ems□inventory□map□map□id□□□□□□
□ligi□ility□ Ineligi□le
Has □ro□ects□ □o
□□□ □tatus□ □ot □isted
□atitude□ □□.□□□□□□□□□□□□□□□□
□ongitude□ □□□□.□□□□□□□□□□□□□□□□

T105 **DERON, LLC.** **ENVIROSTOR** **S106843205**
WSW **14701 S. MAPLE AVE.** **N/A**
1/2-1 **GARDENA, CA 90248**
0.729 mi.
3848 ft. **Site 1 of 2 in cluster T**

Relative: IR T R
Lower

Actual:
110 ft.

ame	R , C.
Address	. MA A .
City,tate,ip	AR A, CA
Facility I	
tatus	Refer ocal Agency
tatus ate	
ite Code	ot reported
ite Type	valuation
ite Type etailed	valuation
Acres	ot reported
Regulatory Agencies	CIFI
ead Agency	CIFI
rogram Manager	ot reported
upervisor	Referred ot Assigned
ivision ranch	Cleanup Cypress
Assem ly	
enate	
pecial rogram	ot reported
Restricted Use	
ite Mgmt Re	CIFI
Funding	ot Applica le
atitude	.
ongitude	.
A	CIFI
ast Use	CIFI
otential C C	CIFI
Confirmed C C	CIFI
otential escription	CIFI
Alias ame	
Alias Type	nvirostor I um er

Completed Info

Completed Area ame	ot reported
Completed u Area ame	ot reported
Completed ocument Type	ot reported
Completed ate	ot reported
Comments	ot reported
Future Area ame	ot reported
Future u Area ame	ot reported
Future ocument Type	ot reported
Future ue ate	ot reported
chedule Area ame	ot reported
chedule u Area ame	ot reported
chedule ocument Type	ot reported
chedule ue ate	ot reported
chedule Revised ate	ot reported

106
WSW
1/2-1
0.732 mi.
3864 ft.

REX PRECISION PRODUCTS
14831 MAPLE AVE
GARDENA, CA 90247

ENVIROSTOR
HIST UST
EMI
LA Co. Site Mitigation
CERS

S103631404
N/A

Relative:
Lower

Actual:
103 ft.

SITE IR T R

Name	R R CI I R UCT, I C
Address	MA A U
City,State,Zip	AR A, CA
Facility ID	
Status	Refer ther Agency
Status ate	
ite Code	ot reported
ite Type	Historical
ite Type etailed	Historical
Acres	ot reported
Regulatory Agencies	CIFI
ead Agency	CIFI
rogram Manager	ot reported
upervisor	Referred ot Assigned
ivision ranch	Cleanup Cypress
Assembly	
enate	
pecial rogram	RCRA ast Ha aste isp Inven ite
Restricted Use	
ite Mgmt Re	CIFI
Funding	ot reported
atitude	
ongitude	
A	CIFI
ast Use	CIFI
otential C C	H U H A T U CIFI A U U UTI U CIFI U A T
Confirmed C C	CIFI
otential escription	CIFI
Alias ame	FUR ITUR MF C
Alias Type	Alternate ame
Alias ame	CA
Alias Type	A Identification umber
Alias ame	
Alias Type	A FR
Alias ame	
Alias Type	nvirostor I umber

Completed Info

Completed Area ame	R CT I
Completed u Area ame	ot reported
Completed ocument Type	ite creening
Completed ate	
Comments	ATA A RIFICATI R CT C FIRM FA F R T C.

Completed Area ame	R CT I
Completed u Area ame	ot reported
Completed ocument Type	reliminary Assessment Report
Completed ate	
Comments	T C . IC , R R CI I , R F R T A T T IUM H R I U CAU TIC MAT RIA A M. HAU HAI R TRA R TATI T C I F RMIT I

REX PRECISION PRODUCTS (Continued) **S103631404**

R□□, A□□□I□□□□□□□□□ □□URC□ ACT□A□□□I F□ R I□ □ □□RMIT □□R□ □T□□□, A□□□ □ □ A□UM A□□□ □ □ART□ I□CI□□□T□□AC□ □□I□ □□□□□□□□, □□□□□□□□. □□C □□□□□□□□.□□□□□□□□,□□□□□□□□. □□F HI□T□R□□□□□□□□□□ I□T□RC□□T□R C□□TAI□ □□C□□□ □□U□□□. □□ C□□AR□□ □□ □□□□□□□□□AC□ □□□□□□□□ I□T□RC□□T□R C□□TAI□□ □□C□□□ □□□□ □□ C□□AR□□ □ R□FI□□□□ □ □□ AT□R□□AC□□□U□MIT T□ □□A □R□□IM A□□□□□ □□□□ RCRA □□□□

Completed Area □ame□	□R□ □□CT □ I□□
Completed □u□ Area □ame□	□ot reported
Completed □ocument Type□	□□iscovery
Completed □ate□	□□□□□□□□□□
Comments□	FACI□IT□ I□□□TIFI□□ I□ FR□M □RRI□

Completed Area □ame□	□R□ □□CT □ I□□
Completed □u□ Area □ame□	□ot reported
Completed □ocument Type□	□□iscovery
Completed □ate□	□□□□□□□□□□
Comments□	FACI□IT□ I□□□TIFI□□ I□'□ FR□M □AC T□□ C□A□□IFI□□ □IR □□□□

Future Area □ame□	□ot reported
Future □u□ Area □ame□	□ot reported
Future □ocument Type□	□ot reported
Future □ue □ate□	□ot reported
□chedule Area □ame□	□ot reported
□chedule □u□ Area □ame□	□ot reported
□chedule □ocument Type□	□ot reported
□chedule □ue □ate□	□ot reported
□chedule Revised □ate□	□ot reported

□ame□	C□ A□TCA□T C□ R□□ RATI□□
Address□	□□□□□□ MA□□□ A□□.
City,□tate,□ip□	□ AR□□□A, CA □□□□□□
Facility I□□	□□□□□□□□□
□tatus□	Refer□□□□□ □ocal Agency
□tatus □ate□	□□□□□□□□□□
□ite Code□	□ot reported
□ite Type□	□valuation
□ite Type □etailed□	□valuation
Acres□	□ot reported
□□□□	□□
Regulatory Agencies□	□□□□ □□□CIFI□□
□ead Agency□	□□□□ □□□CIFI□□
□rogram Manager□	□ot reported
□upervisor□	Referred □□ot Assigned
□ivision □ranch□	Cleanup Cypress
Assem□ly□	□□
□enate□	□□
□pecial □rogram□	□ot reported
Restricted Use□	□□
□ite Mgmt Re□□	□□□□ □□□CIFI□□
Funding□	□ot Applica□le
□atitude□	□□.□□□□□□
□ongitude□	□□□□□.□□□□
A□□□	□□□□ □□□CIFI□□
□ast Use□	□□□□ □□□CIFI□□
□otential C□ C□	□□□□ □□□CIFI□□
Confirmed C□ C□	□□□□ □□□CIFI□□

REX PRECISION PRODUCTS (Continued) **S103631404**

□otential □escription□ □□□□ □□□CIFI□□
Alias □ame□ □□□□□□□□
Alias Type□ □nvirostor I□ □um□er

Completed Info□
Completed Area □ame□ □ot reported
Completed □u□ Area □ame□ □ot reported
Completed □ocument Type□ □ot reported
Completed □ate□ □ot reported
Comments□ □ot reported

Future Area □ame□ □ot reported
Future □u□ Area □ame□ □ot reported
Future □ocument Type□ □ot reported
Future □ue □ate□ □ot reported
□chedule Area □ame□ □ot reported
□chedule □u□ Area □ame□ □ot reported
□chedule □ocument Type□ □ot reported
□chedule □ue □ate□ □ot reported
□chedule Revised □ate□ □ot reported

HI□T U□T□
□ame□ R□□ □R□CI□I□□ □R□□UCT□
Address□ □□□□□ MA□□□ A□□
City,□tate,□ip□ □AR□□□A, CA □□□□□
File □um□er□ □□□□□F□□
UR□□ http□□□geotracker.water□oards.ca.gov□ustpdfs□pdf□□□□□□F□□.pdf
Region□ □ot reported
Facility I□□ □ot reported
Facility Type□ □ot reported
□ther Type□ □ot reported
Contact □ame□ □ot reported
Telephone□ □ot reported
□wner □ame□ □ot reported
□wner Address□ □ot reported
□wner City,□t,□ip□ □ot reported
Total Tanks□ □ot reported

Tank □um□ □ot reported
Container □um□ □ot reported
□ear Installed□ □ot reported
Tank Capacity□ □ot reported
Tank Used for□ □ot reported
Type of Fuel□ □ot reported
Container Construction Thickness□ □ot reported
□eak □etection□ □ot reported

Click here for □eo Tracker □□F□

□MI□
□ame□ R□□ □R□CI□I□□ □R□□ I□C
Address□ □□□□□ MA□□□ A□□
City,□tate,□ip□ □AR□□□A, CA □□□□□□□□□□
□ear□ □□□□
County Code□ □□
Air □asin□ □C
Facility I□□ □□□□□□□

REX PRECISION PRODUCTS (Continued) **S103631404**

Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□□□
Reactive □rganic □ases Tons□□r□	□□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

□ame□	C□A□TCA□T C□R□□ RATI□□
Address□	□□□□□ MA□□□ A□
City,□tate,□ip□	□AR□□□A, CA □□□□□□□□□□
□ear□	□□□□
County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□□
Reactive □rganic □ases Tons□□r□	□□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

□ame□	C□A□TCA□T C□R□□ RATI□□
Address□	□□□□□ MA□□□ A□
City,□tate,□ip□	□AR□□□A, CA □□□□□□□□□□
□ear□	□□□□
County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□
Reactive □rganic □ases Tons□□r□	□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

□ame□	C□A□TCA□T C□R□□ RATI□□
Address□	□□□□□ MA□□□ A□
City,□tate,□ip□	□AR□□□A, CA □□□□□□□□□□
□ear□	□□□□

REX PRECISION PRODUCTS (Continued) **S103631404**

County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□
Reactive □rganic □ases Tons□□r□	□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

□ame□	C□A□TCA□T C□R□□RATI□□
Address□	□□□□□ MA□□□ A□□
City,□tate,□ip□	□AR□□□A, CA □□□□□□□□□□
□ear□	□□□□
County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□□
Reactive □rganic □ases Tons□□r□	□□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

□ame□	C□A□TCA□T C□R□□RATI□□
Address□	□□□□□ MA□□□ A□
City,□tate,□ip□	□AR□□□A, CA □□□□□□□□□□
□ear□	□□□□
County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□□
Reactive □rganic □ases Tons□□r□	□□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

□ame□	C□A□TCA□T C□R□□RATI□□

REX PRECISION PRODUCTS (Continued) **S103631404**

Address□	□□□□□ MA□□□ A□
City,□tate,□ip□	□AR□□□A, CA □□□□□□□□□□
□ear□	□□□□
County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□□
Reactive □rganic □ases Tons□□r□	□□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

□ame□	C□A□TCA□T C□R□□ RATI□□
Address□	□□□□□ MA□□□ A□
City,□tate,□ip□	□AR□□□A, CA □□□□□□□□□□
□ear□	□□□□
County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□□
Reactive □rganic □ases Tons□□r□	□□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

□ame□	C□A□TCA□T C□R□□ RATI□□
Address□	□□□□□ MA□□□ A□
City,□tate,□ip□	□AR□□□A, CA □□□□□□□□□□
□ear□	□□□□
County Code□	□□
Air □asin□	□C
Facility I□□	□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□A□T A□M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□□
Reactive □rganic □ases Tons□□r□	□□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□

REX PRECISION PRODUCTS (Continued) **S103631404**

□art. Matter □□ Micrometers and □mllr Tons□□r□□

□ame□	C□ A□TCA□T C□ R□□ RATI□ □
Address□	□□□□□ MA□□□ A□
City,□tate,□ip□	□AR□□□A, CA □□□□□□□□□□
□ear□	□□□□
County Code□	□□
Air □asin□	□C
Facility I□ □	□□□□□
Air □istrict □ame□	□C
□IC Code□	□□□□
Air □istrict □ame□	□□UTH C□ A□T A□ M□
Community Health Air □ollution Info □ystem□	□ot reported
Consolidated □mission Reporting Rule□	□ot reported
Total □rganic Hydrocar□on □ases Tons□□r□	□
Reactive □rganic □ases Tons□□r□	□
Car□on Mono□ide □missions Tons□□r□	□
□□□ □□□ides of □itrogen Tons□□r□	□
□□□ □□□ides of □ulphur Tons□□r□	□
□articulate Matter Tons□□r□	□
□art. Matter □□ Micrometers and □mllr Tons□□r□□	

□A Co. □ite Mitigation□

□ame□	C□ A□TCA□T C□ R□□ RATI□ □
Address□	□□□□□ MA□□□ A□□
City,□tate,□ip□	□AR□□□A, CA □□□□□
Facility I□ □	FA□□□□□□□
□tatus□	□ot reported
□ite I□ □	□□□□□□□□□
□urisdiction□	County
Case I□ □	R□ □□□□□□□□
A□ated□	□es
Assigned To□	□on Thompson
□ntered □ate□	□□□□□□□□□□
A□ated □ate□	□□□□□□□□□□

C□R□□

□ame□	C□ A□TCA□T I□C
Address□	□□□□□ MA□□□ A□□.
City,□tate,□ip□	□AR□□□A, CA □□□□□□□□□□
□ite I□ □	□□□□□□□
C□R□ I□ □	□□□□□□□□□□□□□
C□R□ □escription□	U□ □□A Air □mission Inventory □ystem □□I□□

Affiliation□

Affiliation Type □esc□	□u□lic Contact
□ntity □ame□	□□RI□U□ □IM□□□□
□ntity Title□	□ot reported
Affiliation Address□	□ot reported
Affiliation City□	□ot reported
Affiliation □tate□	□ot reported
Affiliation Country□	□ot reported
Affiliation □ip□	□ot reported
Affiliation □hone□	□ot reported

T107 **CALIFORNIA RANCHWEAR** **ENVIROSTOR** **S106843198**
WSW **14600 S. MAIN STREET** **N/A**
1/2-1 **GARDENA, CA 90248**
0.754 mi.
3983 ft. **Site 2 of 2 in cluster T**

Relative:
Lower

Actual:
112 ft.

Name:	CALIFORNIA RANCHWEAR
Address:	14600 S. MAIN ST
City,State,Zip:	GARDENA, CA 90248
Facility ID:	19970009
Status:	Refer: Local Agency
Status Date:	08/01/1997
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	DTSC: AS-NEEDED; CUPA
Lead Agency:	DTSC: AS-NEEDED; CUPA
Program Manager:	Not reported
Supervisor:	Referred: Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	66
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	33.8
Longitude:	-118.3
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential Contaminant:	NONE SPECIFIED
Confirmed Contaminant:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	19970009
Alias Type:	ID
Alias Name:	19970009
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	REMOVAL ACTION
Completed Sub Area Name:	Not reported
Completed Document Type:	NO FURTHER ACTION
Completed Date:	08/01/1997
Comments:	DTSC is not involved with this project.

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

108 NW 1/2-1 0.896 mi. 4733 ft.

ALCOA COMPOSITE
13344 MAIN
LOS ANGELES, CA 90061

□ata□ase□$□

ENVIROSTOR
CPS-SLIC
HIST CORTESE

S104404872
N/A

Relative: Higher

Actual: 124 ft.

□□□IR□□T□R□

□ame□	□ □□□□C□ □RA□□ C□.
Address□	□□□□□ □. MAI□ □TR□□T
City,□tate,□ip□	□□□ A□□□□□□, CA □□□□□
Facility I□□	□□□□□□□□□
□tatus□	Refer□□ther Agency
□tatus □ate□	□ot reported
□ite Code□	□ot reported
□ite Type□	Tiered □ermit
□ite Type □etailed□	Tiered □ermit
Acres□	□ot reported
□□□□	□□
Regulatory Agencies□	□□□□ □□□CIFI□□
□ead Agency□	□□□□ □□□CIFI□□
□rogram Manager□	□ot reported
□upervisor□	□ot reported
□ivision □ranch□	Cleanup Chatsworth
Assem□ly□	□□
□enate□	□□
□pecial □rogram□	□ot reported
Restricted Use□	□□
□ite Mgmt Re□□	□□□□ □□□CIFI□□
Funding□	□ot reported
□atitude□	□□.□□□□□□
□ongitude□	□□□□.□□□□
A□□□	□□□□ □□□CIFI□□
□ast Use□	□□□□ □□□CIFI□□
□otential C□ C□	□□□□ □□□CIFI□□
Confirmed C□ C□	□□□□ □□□CIFI□□
□otential □escription□	□□□□ □□□CIFI□□
Alias □ame□	CA□□□□□□□□□□
Alias Type□	□□A Identification □um□er
Alias □ame□	□□□□□□□□
Alias Type□	□nvirostor I□ □um□er

Completed Info□

Completed Area □ame□	□R□ □□CT □ I□□
Completed □u□ Area □ame□	□ot reported
Completed □ocument Type□	□hase I □erification
Completed □ate□	□□□□□□□□□□
Comments□	Inspection report sent on □□□□□□□□□
Future Area □ame□	□ot reported
Future □u□ Area □ame□	□ot reported
Future □ocument Type□	□ot reported
Future □ue □ate□	□ot reported
□chedule Area □ame□	□ot reported
□chedule □u□ Area □ame□	□ot reported
□chedule □ocument Type□	□ot reported
□chedule □ue □ate□	□ot reported
□chedule Revised □ate□	□ot reported
□ame□	□ □□□□C□ FACI□IT□
Address□	□□□□□ □□UTH MAI□ □TR□□T

ALCOA COMPOSITE (Continued) **S104404872**

City, tate, ip	A , CA
Facility I	
tatus	Refer R C
tatus ate	
ite Code	
ite Type	Historical
ite Type etailed	Historical
Acres	ot reported
Regulatory Agencies	R C os Angeles
ead Agency	R C os Angeles
rogram Manager	ot reported
upervisor	reg Holmes
ivision ranch	Cleanup Cypress
Assem ly	
enate	
pecial rogram	ot reported
Restricted Use	
ite Mgmt Re	CIFI
Funding	ot reported
atitude	.
ongitude	.
A	CIFI
ast Use	CIFI
otential C C	HA AT T Chromium I
Confirmed C C	CIFI
otential escription	CIFI
Alias ame	C FACI IT
Alias Type	Alternate ame
Alias ame	
Alias Type	A FR
Alias ame	
Alias Type	ro ect Code ite Code
Alias ame	
Alias Type	nvirostor I um er

Completed Info

Completed Area ame	R CT I
Completed u Area ame	ot reported
Completed ocument Type	reliminary Assessment Report
Completed ate	
Comments	reliminary Assessment completed on . The os Angeles Regional ater uality Control oard has een taking the lead in oversight of site investigations.
Future Area ame	ot reported
Future u Area ame	ot reported
Future ocument Type	ot reported
Future ue ate	ot reported
chedule Area ame	ot reported
chedule u Area ame	ot reported
chedule ocument Type	ot reported
chedule ue ate	ot reported
chedule Revised ate	ot reported

IC R
Region

□ata□ase□$□

ALCOA COMPOSITE (Continued) **S104404872**

Facility □tatus□	□ite Assessment
□□IC□	□□□□
□u□stance□	□□C□T
□taff□	CC

HI□T C□RT□□□□

edr□fname□	□ □□□□C□ C□R□.
edr□fadd□□	□□□□□ MAI□
City,□tate,□ip□	□□□ A□□□□□□, CA □□□□□
Region□	C□RT□□□
Facility County Code□	□□
Reg □y□	□T□□A
Reg Id□	R□□□□□□

Count□□ records. □R□HA□ □UMMAR□

City	□□R I□	□ite □ame	□ite Address	□ip	□ata□ase□s□
CAR□□ □	□□□□□□□□□□□	□C□ □CA□□□□□□R □□A□□□H□□□MA□	□□□□□ C□□TRA□	□□□□□	C□□□□□IC
C□ M□T□ □	□□□□□□□□□□□		□□ C□R□□R □F □ R□□□CRA□□ A□□ □	□□□□□	C□□
□A HA□RA	□□□□□□□□□□□	□A□TA F□ □ACIFIC □I□□□I□□□	□□□ R□□□CRA□□	□□□□□	C□□□□□IC
□□□ A□□□□□□ C□.	□□□□□□□□□□□	U□□CA□□R□□□CRA□□ □□A□□	□□□ □□□TH	□□□□□	C□□□□□IC
□ I□□□□ □ □R□□□	□□□□□□□□□□□	□I□□□□R□□ M□□ICA□ MA□□□T	C□ M□T□□ A□□	□□□□□	□U□T, HI□T C□ RT□□□

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state data□ases, □□R contacts the appropriate governmental agency on a monthly or □uarterly □asis, as re□uired.

Number of Days to Update: □rovides confirmation that □□R is reporting records that have □een updated within □□ days from the date the government agency made the information availa□le to the pu□lic.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

□□□□ □ational □riority □ist
□ational □riorities □ist □□uperfund□. The □□□ is a su□set of C□RC□I□ and identifies over □,□□□ sites for priority cleanup under the □uperfund □rogram. □□□ sites may encompass relatively large areas. As such, □□R provides polygon coverage for over □,□□□ □□□ site □oundaries produced □y □□A's □nvironmental □hotographic Interpretation Center □□□IC□and regional □□A offices.

□ate of □overnment □ersion□□□□□□□□□□□□□□ □ource□ □□A
□ate □ata Arrived at □□R□□□□□□□□□□□□□□ Telephone□ □□A
□ate Made Active in Reports□□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□□
□ata Release Fre□uency□□uarterly

□□□ □ite □oundaries

□ources□

□□A's □nvironmental □hotographic Interpretation Center □□□IC□
Telephone□□□□□□□□□□□□□□□

□□A Region □
Telephone □□□□□□□□□□□□□□

□□A Region □
Telephone□□□□□□□□□□□□□□□

□□A Region □
Telephone □□□□□□□□□□□□□□

□□A Region □
Telephone□□□□□□□□□□□□□□□

□□A Region □
Telephone □□□□□□□□□□□□□□

□□A Region □
Telephone□□□□□□□□□□□□□□□

□□A Region □
Telephone □□□□□□□□□□□□□□

□□A Region □
Telephone□□□□□□□□□□□□□□□

□□A Region □□
Telephone □□□□□□□□□□□□□□

□roposed □□□□ □roposed □ational □riority □ist □ites
A site that has □een proposed for listing on the □ational □riorities □ist through the issuance of a proposed rule in the Federal Register. □□A then accepts pu□lic comments on the site, responds to the comments, and places on the □□□ those sites that continue to meet the re□uirements for listing.

□ate of □overnment □ersion□□□□□□□□□□□□□□ □ource□ □□A
□ate □ata Arrived at □□R□□□□□□□□□□□□□□ Telephone□ □□A
□ate Made Active in Reports□□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□□
□ata Release Fre□uency□□uarterly

□□□ □I□□□□ Federal □uperfund □iens
Federal □uperfund □iens. Under the authority granted the U□□□A □y C□RC□A of □□□□, the U□□□A has the authority to file liens against real property in order to recover remedial action e□penditures or when the property owner received notification of potential lia□ility. U□□□A compiles a listing of filed notices of □uperfund □iens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ate of overnment ersion	ource A
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency o Update lanned

Federal Delisted NPL site list

elisted ational riority ist eletions

The ational il and Ha ardous u stances ollution Contingency lan C esta lishes the criteria that the A uses to delete sites from the . In accordance with CFR . . e , sites may e deleted from the where no further response is appropriate.

ate of overnment ersion	ource A
ate ata Arrived at R	Telephone A
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency uarterly

Federal CERCLIS list

F RA FACI IT Federal Facility ite Information listing

A listing of ational riority ist and ase Realignment and Closure RAC sites found in the Comprehensive nvironmental Response, Compensation and ia ility Information ystem C RC I ata ase where A Federal Facilities Restoration and Reuse ffice is involved in cleanup activities.

ate of overnment ersion	ource nvironmental rotection Agency
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency aries

M uperfund nterprise Management ystem

M uperfund nterprise Management ystem tracks ha ardous waste sites, potentially ha ardous waste sites, and remedial activities performed in support of A's uperfund rogram across the United tates. The list was formerly know as C RC I , renamed to M y the A in . The list contains data on potentially ha ardous waste sites that have een reported to the U A y states, municipalities, private companies and private persons, pursuant to ection of the Comprehensive nvironmental Response, Compensation, and ia ility Act C RC A. This dataset also contains sites which are either proposed to or on the ational riorities ist and the sites which are in the screening and assessment phase for possi le inclusion on the .

ate of overnment ersion	ource A
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency uarterly

Federal CERCLIS NFRAP site list

M ARCHI uperfund nterprise Management ystem Archive

□□M□□ARCHI□□ □□uperfund □nterprise Management □ystem Archive□tracks sites that have no further interest under the Federal □uperfund □rogram □ased on availa□le information. The list was formerly known as the C□RC□I□□□FRA□, renamed to □□M□ ARCHI□□ □y the □□A in □□□□. □□A may perform a minimal level of assessment work at a site while it is archived if site conditions change and□or new information □ecomes availa□le. Archived sites have □een removed and archived from the inventory of □□M□ sites. Archived status indicates that, to the □est of □□A's knowledge, assessment at a site has □een completed and that □□A has determined no further steps will □e taken to list the site on the □ational □riorities □ist □□□□□, unless information indicates this decision was not appropriate or other considerations re□uire a recommendation for listing at a later time. The decision does not necessarily mean that there is no ha□ard associated with a given site□it only means that. □ased upon availa□le information, the location is not □udged to □e potential □□□ site.

□ate of □overnment □ersion□□□□□□□□□□□□ □ource□ □□A
□ate □ata Arrived at □□R□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□uarterly

Federal RCRA CORRACTS facilities list

C□RRACT□□ Corrective Action Report
C□RRACT□ identifies ha□ardous waste handlers with RCRA corrective action activity.

□ate of □overnment □ersion□□□□□□□□□□□□ □ource□ □□A
□ate □ata Arrived at □□R□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□uarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA□T□□F□ RCRA □Treatment, □torage and □isposal
RCRAInfo is □□A's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act □RCRA□of □□□□ and the Ha□ardous and □olid □aste Amendments □H□□ A□of □□□□. The data□ase includes selective information on sites which generate, transport, store, treat and□or dispose of ha□ardous waste as defined □y the Resource Conservation and Recovery Act □RCRA□. Transporters are individuals or entities that move ha□ardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. T□□Fs treat, store, or dispose of the waste.

□ate of □overnment □ersion□□□□□□□□□□□□ □ource□ □nvironmental □rotection Agency
□ate □ata Arrived at □□R□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□uarterly

Federal RCRA generators list

RCRA□□□□ RCRA □□arge □uantity □enerators
RCRAInfo is □□A's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act □RCRA□of □□□□ and the Ha□ardous and □olid □aste Amendments □H□□ A□of □□□□. The data□ase includes selective information on sites which generate, transport, store, treat and□or dispose of ha□ardous waste as defined □y the Resource Conservation and Recovery Act □RCRA□. □arge □uantity generators □□□□s□generate over □,□□□ kilograms □kg□of ha□ardous waste, or over □ kg of acutely ha□ardous waste per month.

□ate of □overnment □ersion□□□□□□□□□□□□ □ource□ □nvironmental □rotection Agency
□ate □ata Arrived at □□R□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□uarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENT TRACKING

RCRA[illegible] RCRA [illegible]mall [illegible]uantity [illegible]enerators

RCRAInfo is [illegible]A's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act [RCRA] of [illegible] and the Ha[illegible]ardous and [illegible]olid [illegible]aste Amendments [illegible]H[illegible] A[illegible] of [illegible]. The data[illegible]ase includes selective information on sites which generate, transport, store, treat and[illegible]or dispose of ha[illegible]ardous waste as defined [illegible]y the Resource Conservation and Recovery Act [RCRA]. [illegible]mall [illegible]uantity generators [illegible] s[illegible]generate [illegible]etween [illegible] kg and [illegible],[illegible] kg of ha[illegible]ardous waste per month.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]
[illegible]ource: [illegible]nvironmental [illegible]rotection Agency
Telephone: [illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency: [illegible]uarterly

RCRA[illegible] RCRA [illegible]ery [illegible]mall [illegible]uantity [illegible]enerators [Formerly Conditionally [illegible]empt [illegible]mall [illegible]uantity [illegible]enerators]

RCRAInfo is [illegible]A's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act [RCRA] of [illegible] and the Ha[illegible]ardous and [illegible]olid [illegible]aste Amendments [illegible]H[illegible] A[illegible] of [illegible]. The data[illegible]ase includes selective information on sites which generate, transport, store, treat and[illegible]or dispose of ha[illegible]ardous waste as defined [illegible]y the Resource Conservation and Recovery Act [RCRA]. [illegible]ery small [illegible]uantity generators [illegible] s[illegible]generate less than [illegible] kg of ha[illegible]ardous waste, or less than [illegible] kg of acutely ha[illegible]ardous waste per month.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]
[illegible]ource: [illegible]nvironmental [illegible]rotection Agency
Telephone: [illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency: [illegible]uarterly

Federal institutional controls / engineering controls registries

[illegible]UCI[illegible] [illegible]and Use Control Information [illegible]ystem

[illegible]UCI[illegible] contains records of land use control information pertaining to the former [illegible]avy [illegible]ase Realignment and Closure properties.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]
[illegible]ource: [illegible]epartment of the [illegible]avy
Telephone: [illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency: [illegible]aries

U[illegible] [illegible] C[illegible]TR[illegible] [illegible]ngineering Controls [illegible]ites [illegible]ist

A listing of sites with engineering controls in place. [illegible]ngineering controls include various forms of caps, [illegible]uilding foundations, liners, and treatment methods to create pathway elimination for regulated su[illegible]stances to enter environmental media or effect human health.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]
[illegible]ource: [illegible]nvironmental [illegible]rotection Agency
Telephone: [illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency: [illegible]aries

U[illegible] I[illegible]T C[illegible]TR[illegible] [illegible] Institutional Controls [illegible]ites [illegible]ist

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 re[illegible]uirements intended to prevent e[illegible]posure to contaminants remaining on site. [illegible]eed restrictions are generally re[illegible]uired as part of the institutional controls.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]
[illegible]ource: [illegible]nvironmental [illegible]rotection Agency
Telephone: [illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency: [illegible]aries

GOVERNMENT RECORDS SEARCHED / DATA CURRENT TRACKING

Federal ERNS list

ERNS Emergency Response Notification System
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version
Date Data Arrived at EDR
Date Made Active in Reports
Number of Days to Update
Source National Response Center, United States Coast Guard
Telephone
Last EDR Contact
Next Scheduled EDR Contact
Data Release Frequency Quarterly

State- and tribal - equivalent NPL

RESPONSE State Response Sites
Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high priority and high potential risk.

Date of Government Version
Date Data Arrived at EDR
Date Made Active in Reports
Number of Days to Update
Source Department of Toxic Substances Control
Telephone
Last EDR Contact
Next Scheduled EDR Contact
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
Date Data Arrived at EDR
Date Made Active in Reports
Number of Days to Update
Source Department of Toxic Substances Control
Telephone
Last EDR Contact
Next Scheduled EDR Contact
Data Release Frequency Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF Solid Waste Information System
Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section criteria for solid waste landfills or disposal sites.

Date of Government Version
Date Data Arrived at EDR
Date Made Active in Reports
Number of Days to Update
Source Department of Resources Recycling and Recovery
Telephone
Last EDR Contact
Next Scheduled EDR Contact
Data Release Frequency Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

[U[T R[[[[[eaking Underground [torage Tank Report
[range, Riverside, [an [iego counties. For more current information, please refer to the [tate [ater Resources Control [oard's [U[T data[ase.

[ate of [overnment [ersion[[[[[[[[[[[[[[[ource[California Regional [ater [uality Control [oard [an [iego Region [[[[
[ate [ata Arrived at [[R[[[[[[[[[[[[[[Telephone[[[[[[[[[[[[[[[[
[ate Made Active in Reports[[[[[[[[[[[[[[[ast [[R Contact[[[[[[[[[[[[[[[
[um[er of [ays to Update[[[[[e[t [cheduled [[R Contact[[[[[[[[[[[[[[[
[ata Release Fre[uency[[o Update [lanned

[U[T R[[[[Underground [torage Tank [eak [ist
[os Angeles, [entura counties. For more current information, please refer to the [tate [ater Resources Control [oard's [U[T data[ase.

[ate of [overnment [ersion[[[[[[[[[[[[[[[ource[California Regional [ater [uality Control [oard [os Angeles Region [[[[
[ate [ata Arrived at [[R[[[[[[[[[[[[[[Telephone[[[[[[[[[[[[[[[[
[ate Made Active in Reports[[[[[[[[[[[[[[[ast [[R Contact[[[[[[[[[[[[[[[
[um[er of [ays to Update[[[[[e[t [cheduled [[R Contact[[[[[[[[[[[[[[[
[ata Release Fre[uency[[o Update [lanned

[U[T[[eaking Underground Fuel Tank Report [[[[TRAC[[R[
[eaking Underground [torage Tank [[U[T[[ites included in [eoTracker. [eoTracker is the [ater [oards data management system for sites that impact, or have the potential to impact, water [uality in California, with emphasis on groundwater.

[ate of [overnment [ersion[[[[[[[[[[[[[[[ource[[tate [ater Resources Control [oard
[ate [ata Arrived at [[R[[[[[[[[[[[[[[Telephone[see region list
[ate Made Active in Reports[[[[[[[[[[[[[[[ast [[R Contact[[[[[[[[[[[[[[[
[um[er of [ays to Update[[[e[t [cheduled [[R Contact[[[[[[[[[[[[[[[
[ata Release Fre[uency[[uarterly

[U[T R[[[[Active To[ic [ite Investigation
[el [orte, Hum[oldt, [ake, Mendocino, Modoc, [iskiyou, [onoma, Trinity counties. For more current information, please refer to the [tate [ater Resources Control [oard's [U[T data[ase.

[ate of [overnment [ersion[[[[[[[[[[[[[[[ource[California Regional [ater [uality Control [oard [orth Coast [[[[
[ate [ata Arrived at [[R[[[[[[[[[[[[[[Telephone[[[[[[[[[[[[[[[[
[ate Made Active in Reports[[[[[[[[[[[[[[[ast [[R Contact[[[[[[[[[[[[[[[
[um[er of [ays to Update[[[[[e[t [cheduled [[R Contact[[[[[[[[[[[[[[[
[ata Release Fre[uency[[o Update [lanned

[U[T R[[[[Fuel [eak [ist
[eaking Underground [torage Tank locations. Alameda, Contra Costa, Marin, [apa, [an Francisco, [an Mateo, [anta Clara, [olano, [onoma counties.

[ate of [overnment [ersion[[[[[[[[[[[[[[[ource[California Regional [ater [uality Control [oard [an Francisco [ay Region [[[[
[ate [ata Arrived at [[R[[[[[[[[[[[[[[Telephone[[[[[[[[[[[[[[[[
[ate Made Active in Reports[[[[[[[[[[[[[[[ast [[R Contact[[[[[[[[[[[[[[[
[um[er of [ays to Update[[[[[e[t [cheduled [[R Contact[[[[[[[[[[[[[[[
[ata Release Fre[uency[[o Update [lanned

[U[T R[[[[[[[eaking Underground [torage Tank Case [isting
For more current information, please refer to the [tate [ater Resources Control [oard's [U[T data[ase.

[ate of [overnment [ersion[[[[[[[[[[[[[[[ource[California Regional [ater [uality Control [oard [ahontan Region [[[[
[ate [ata Arrived at [[R[[[[[[[[[[[[[[Telephone[[[[[[[[[[[[[[[[
[ate Made Active in Reports[[[[[[[[[[[[[[[ast [[R Contact[[[[[[[[[[[[[[[
[um[er of [ays to Update[[[[[e[t [cheduled [[R Contact[[[[[[[[[[[[[[[
[ata Release Fre[uency[[o Update [lanned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

[U[T R[[[[[eaking Underground [torage Tank [ata[ase
[eaking Underground [torage Tank locations. Monterey, [an [enito, [an [uis [[ispo, [anta [ar[ara, [anta Cru[counties.

[ate of [overnment [ersion[[[[[[[[[[[[[[[ource[California Regional [ater [uality Control [oard Central Coast Region [[[[
[ate [ata Arrived at [[R[[[[[[[[[[[[[[Telephone[[[[[[[[[[[[[[[
[ate Made Active in Reports[[[[[[[[[[[[[[[ast [[R Contact[[[[[[[[[[[[[[
[um[er of [ays to Update[[[[[e[t [cheduled [[R Contact[[[[[[[[[[[[[[
[ata Release Fre[uency[[o Update [lanned

[U[T R[[[[[eaking Underground [torage Tanks
California Regional [ater [uality Control [oard [anta Ana Region [[[[. For more current information, please refer to the [tate [ater Resources Control [oard's [U[T data[ase.

[ate of [overnment [ersion[[[[[[[[[[[[[[[ource[California Regional [ater [uality Control [oard [anta Ana Region [[[[
[ate [ata Arrived at [[R[[[[[[[[[[[[[[Telephone[[[[[[[[[[[[[[[
[ate Made Active in Reports[[[[[[[[[[[[[[[ast [[R Contact[[[[[[[[[[[[[[
[um[er of [ays to Update[[[[[e[t [cheduled [[R Contact[[[[[[[[[[[[[[
[ata Release Fre[uency[[o Update [lanned

[U[T R[[[[[eaking Underground [torage Tank Case [isting
[eaking Underground [torage Tank locations. Imperial, Riverside, [an [iego, [anta [ar[ara counties.

[ate of [overnment [ersion[[[[[[[[[[[[[[[ource[California Regional [ater [uality Control [oard Colorado River [asin Region [[[[
[ate [ata Arrived at [[R[[[[[[[[[[[[[[Telephone[[[[[[[[[[[[[[[
[ate Made Active in Reports[[[[[[[[[[[[[[[ast [[R Contact[[[[[[[[[[[[[[
[um[er of [ays to Update[[[[[e[t [cheduled [[R Contact[[[[[[[[[[[[[[
[ata Release Fre[uency[[o Update [lanned

[U[T R[[[[[eaking Underground [torage Tank [ata[ase
[eaking Underground [torage Tank locations. Alameda, Alpine, Amador, [utte, Colusa, Contra Costa, Calveras, [l [orado, Fresno, [lenn, [ern, [ings, [ake, [assen, Madera, Mariposa, Merced, Modoc, [apa, [evada, [lacer, [lumas, [acramento, [an [oa[uin, [hasta, [olano, [tanislaus, [utter, Tehama, Tulare, Tuolumne, [olo, [u[a counties.

[ate of [overnment [ersion[[[[[[[[[[[[[[[ource[California Regional [ater [uality Control [oard Central [alley Region [[[[
[ate [ata Arrived at [[R[[[[[[[[[[[[[[Telephone[[[[[[[[[[[[[[[
[ate Made Active in Reports[[[[[[[[[[[[[[[ast [[R Contact[[[[[[[[[[[[[[
[um[er of [ays to Update[[[e[t [cheduled [[R Contact[[[[[[[[[[[[[[
[ata Release Fre[uency[[o Update [lanned

[U[T R[[[[[[[eaking Underground [torage Tank Case [isting
[eaking Underground [torage Tank locations. Inyo, [ern, [os Angeles, Mono, [an [ernardino counties.

[ate of [overnment [ersion[[[[[[[[[[[[[[[ource[California Regional [ater [uality Control [oard [ictorville [ranch [ffice [[[[
[ate [ata Arrived at [[R[[[[[[[[[[[[[[Telephone[[[[[[[[[[[[[[[
[ate Made Active in Reports[[[[[[[[[[[[[[[ast [[R Contact[[[[[[[[[[[[[[
[um[er of [ays to Update[[[[[e[t [cheduled [[R Contact[[[[[[[[[[[[[[
[ata Release Fre[uency[[o Update [lanned

I[[IA[[U[T R[[[eaking Underground [torage Tanks on Indian [and
A listing of leaking underground storage tank locations on Indian [and.

[ate of [overnment [ersion[[[[[[[[[[[[[[[ource[[[A Region [
[ate [ata Arrived at [[R[[[[[[[[[[[[[[Telephone[[[[[[[[[[[[[[[
[ate Made Active in Reports[[[[[[[[[[[[[[[ast [[R Contact[[[[[[[[[[[[[[
[um[er of [ays to Update[[[[[e[t [cheduled [[R Contact[[[[[[[[[[[[[[
[ata Release Fre[uency[[aries

I[[IA[[U[T R[[[eaking Underground [torage Tanks on Indian [and
[U[Ts on Indian land in [ew Me[ico and [klahoma.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

[ate of [overnment [ersion[[[[[[[[[[[[[[[[[ource[[[A Region [
[ate [ata Arrived at [[R[[[[[[[[[[[[[[[[Telephone[[[[[[[[[[[[[[[[[
[ate Made Active in Reports[[[[[[[[[[[[[[[[[ast [[R Contact[[[[[[[[[[[[[[[[
[um[er of [ays to Update[[[[[e[t [cheduled [[R Contact[[[[[[[[[[[[[[[[
[ata Release Fre[uency[[aries

I[[IA[[U[T R[[[eaking Underground [torage Tanks on Indian [and
[eaking underground storage tanks located on Indian [and in Michigan, Minnesota and [isconsin.

[ate of [overnment [ersion[[[[[[[[[[[[[[[[[ource[[[A, Region [
[ate [ata Arrived at [[R[[[[[[[[[[[[[[[[Telephone[[[[[[[[[[[[[[[[[
[ate Made Active in Reports[[[[[[[[[[[[[[[[[ast [[R Contact[[[[[[[[[[[[[[[[
[um[er of [ays to Update[[[[[e[t [cheduled [[R Contact[[[[[[[[[[[[[[[[
[ata Release Fre[uency[[aries

I[[IA[[U[T R[[[eaking Underground [torage Tanks on Indian [and
[U[Ts on Indian land in Iowa, [ansas, and [e[raska

[ate of [overnment [ersion[[[[[[[[[[[[[[[[[ource[[[A Region [
[ate [ata Arrived at [[R[[[[[[[[[[[[[[[[Telephone[[[[[[[[[[[[[[[[[
[ate Made Active in Reports[[[[[[[[[[[[[[[[[ast [[R Contact[[[[[[[[[[[[[[[[
[um[er of [ays to Update[[[[[e[t [cheduled [[R Contact[[[[[[[[[[[[[[[[
[ata Release Fre[uency[[aries

I[[IA[[U[T R[[[eaking Underground [torage Tanks on Indian [and
[U[Ts on Indian land in Florida, Mississippi and [orth Carolina.

[ate of [overnment [ersion[[[[[[[[[[[[[[[[[ource[[[A Region [
[ate [ata Arrived at [[R[[[[[[[[[[[[[[[[Telephone[[[[[[[[[[[[[[[[[
[ate Made Active in Reports[[[[[[[[[[[[[[[[[ast [[R Contact[[[[[[[[[[[[[[[[
[um[er of [ays to Update[[[[[e[t [cheduled [[R Contact[[[[[[[[[[[[[[[[
[ata Release Fre[uency[[aries

I[[IA[[U[T R[[[[eaking Underground [torage Tanks on Indian [and
[U[Ts on Indian land in Alaska, Idaho, [regon and [ashington.

[ate of [overnment [ersion[[[[[[[[[[[[[[[[[ource[[[A Region [[
[ate [ata Arrived at [[R[[[[[[[[[[[[[[[[Telephone[[[[[[[[[[[[[[[[[
[ate Made Active in Reports[[[[[[[[[[[[[[[[[ast [[R Contact[[[[[[[[[[[[[[[[
[um[er of [ays to Update[[[[[e[t [cheduled [[R Contact[[[[[[[[[[[[[[[[
[ata Release Fre[uency[[aries

I[[IA[[U[T R[[[eaking Underground [torage Tanks on Indian [and
[U[Ts on Indian land in Colorado, Montana, [orth [akota, [outh [akota, Utah and [yoming.

[ate of [overnment [ersion[[[[[[[[[[[[[[[[[ource[[[A Region [
[ate [ata Arrived at [[R[[[[[[[[[[[[[[[[Telephone[[[[[[[[[[[[[[[[[
[ate Made Active in Reports[[[[[[[[[[[[[[[[[ast [[R Contact[[[[[[[[[[[[[[[[
[um[er of [ays to Update[[[[[e[t [cheduled [[R Contact[[[[[[[[[[[[[[[[
[ata Release Fre[uency[[aries

I[[IA[[U[T R[[[eaking Underground [torage Tanks on Indian [and
[U[Ts on Indian land in Ari[ona, California, [ew Me[ico and [evada

[ate of [overnment [ersion[[[[[[[[[[[[[[[[[ource[[nvironmental [rotection Agency
[ate [ata Arrived at [[R[[[[[[[[[[[[[[[[Telephone[[[[[[[[[[[[[[[[[
[ate Made Active in Reports[[[[[[[[[[[[[[[[[ast [[R Contact[[[[[[[[[[[[[[[[
[um[er of [ays to Update[[[[[e[t [cheduled [[R Contact[[[[[[[[[[[[[[[[
[ata Release Fre[uency[[aries

GOVERNMENT RECORDS SEARCHED / DATA CURRENT TRACKING

C[illegible]IC [illegible]tatewide [illegible]IC Cases [illegible] TRAC[illegible]R[illegible]
Cleanup [illegible]rogram [illegible]ites [illegible]C[illegible] also known as [illegible]ite Cleanups [illegible]C[illegible] and formerly known as [illegible]pills, [illegible]eaks, Investigations, and Cleanups [illegible]IC[illegible] sites[illegible] included in [illegible]eoTracker. [illegible]eoTracker is the [illegible]ater [illegible]oards data management system for sites that impact, or have the potential to impact, water [illegible]uality in California, with emphasis on groundwater.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]

[illegible]ource[illegible] [illegible]tate [illegible]ater Resources Control [illegible]oard
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible]aries

[illegible]IC R[illegible] [illegible] Active To[illegible]ic [illegible]ite Investigations
The [illegible]IC [illegible]pills, [illegible]eaks, Investigations and Cleanup[illegible]program is designed to protect and restore water [illegible]uality from spills, leaks, and similar discharges.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]

[illegible]ource[illegible] California Regional [illegible]ater [illegible]uality Control [illegible]oard, [illegible]orth Coast Region [illegible]
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible]o Update [illegible]lanned

[illegible]IC R[illegible] [illegible] [illegible]pills, [illegible]eaks, Investigation [illegible] Cleanup Cost Recovery [illegible]isting
The [illegible]IC [illegible]pills, [illegible]eaks, Investigations and Cleanup[illegible]program is designed to protect and restore water [illegible]uality from spills, leaks, and similar discharges.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]

[illegible]ource[illegible] Regional [illegible]ater [illegible]uality Control [illegible]oard [illegible]an Francisco [illegible]ay Region [illegible]
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible]o Update [illegible]lanned

[illegible]IC R[illegible] [illegible] [illegible]pills, [illegible]eaks, Investigation [illegible] Cleanup Cost Recovery [illegible]isting
The [illegible]IC [illegible]pills, [illegible]eaks, Investigations and Cleanup[illegible]program is designed to protect and restore water [illegible]uality from spills, leaks, and similar discharges.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]

[illegible]ource[illegible] California Regional [illegible]ater [illegible]uality Control [illegible]oard Central Coast Region [illegible]
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible]o Update [illegible]lanned

[illegible]IC R[illegible] [illegible] [illegible]pills, [illegible]eaks, Investigation [illegible] Cleanup Cost Recovery [illegible]isting
The [illegible]IC [illegible]pills, [illegible]eaks, Investigations and Cleanup[illegible]program is designed to protect and restore water [illegible]uality from spills, leaks, and similar discharges.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]

[illegible]ource[illegible] Region [illegible]ater [illegible]uality Control [illegible]oard [illegible]os Angeles Region [illegible]
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible]o Update [illegible]lanned

[illegible]IC R[illegible] [illegible] [illegible]pills, [illegible]eaks, Investigation [illegible] Cleanup Cost Recovery [illegible]isting
The [illegible]IC [illegible]pills, [illegible]eaks, Investigations and Cleanup[illegible]program is designed to protect and restore water [illegible]uality from spills, leaks, and similar discharges.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]

[illegible]ource[illegible] Regional [illegible]ater [illegible]uality Control [illegible]oard Central [illegible]alley Region [illegible]
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible]o Update [illegible]lanned

GOVERNMENT RECORDS SEARCHED / DATA CURRENTY TRACKING

□□IC R□□ □□□ □pills, □eaks, Investigation □ Cleanup Cost Recovery □isting
The □□IC □□pills, □eaks, Investigations and Cleanup□program is designed to protect and restore water □uality from spills, leaks, and similar discharges.

□ate of □overnment □ersion□□□□□□□□□□□□□ □ource□ Regional □ ater □uality Control □oard, □ictorville □ranch
□ate □ata Arrived at □□R□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□□o Update □lanned

□□IC R□□ □□□ □□IC □ites
The □□IC □□pills, □eaks, Investigations and Cleanup□program is designed to protect and restore water □uality from spills, leaks, and similar discharges.

□ate of □overnment □ersion□□□□□□□□□□□□□ □ource□ California Regional □ ater □uality Control □oard, □ahontan Region
□ate □ata Arrived at □□R□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□□o Update □lanned

□□IC R□□ □□ □□IC □ist
The □□IC □□pills, □eaks, Investigations and Cleanup□program is designed to protect and restore water □uality from spills, leaks, and similar discharges.

□ate of □overnment □ersion□□□□□□□□□□□□□ □ource□ California Regional □uality Control □oard, Colorado River □asin Region
□ate □ata Arrived at □□R□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□□o Update □lanned

□□IC R□□ □□ □pills, □eaks, Investigation □ Cleanup Cost Recovery □isting
The □□IC □□pills, □eaks, Investigations and Cleanup□program is designed to protect and restore water □uality from spills, leaks, and similar discharges.

□ate of □overnment □ersion□□□□□□□□□□□□□ □ource□ California Region □ ater □uality Control □oard □anta Ana Region □□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□□o Update □lanned

□□IC R□□ □□ □pills, □eaks, Investigation □ Cleanup Cost Recovery □isting
The □□IC □□pills, □eaks, Investigations and Cleanup□program is designed to protect and restore water □uality from spills, leaks, and similar discharges.

□ate of □overnment □ersion□□□□□□□□□□□□□ □ource□ California Regional □ ater □uality Control □oard □an □iego Region □□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□□o Update □lanned

State and tribal registered storage tank lists

F□MA U□T□ Underground □torage Tank □isting
A listing of all F□MA owned underground storage tanks.

□ate of □overnment □ersion□□□□□□□□□□□□□ □ource□ F□MA
□ate □ata Arrived at □□R□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

U□T□ Active U□T Facilities
Active U□T facilities gathered from the local regulatory agencies

□ate of □overnment □ersion□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□
□ource□ □□ RC□
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□emi□Annually

MI□ITAR□ U□T □IT□□□ Military U□T □ites □□ □□TRAC□□R□
Military ust sites

□ate of □overnment □ersion□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□
□ource□ □tate □ ater Resources Control □oard
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

U□T C□□ □UR□□ □roposed Closure of Underground □torage Tank □U□T□Cases
U□T cases that are □eing considered for closure □y either the □tate □ ater Resources Control □oard or the □□ecutive □irector have □een posted for a □□□day pu□lic comment period. U□T Case Closures □eing proposed for consideration □y the □tate □ ater Resources Control □oard. These are primarily U□T cases that meet closure criteria under the decisional framework in □tate □ ater □oard Resolution □o. □□□□□ and other □oard orders. U□T Case Closures proposed for consideration □y the □□ecutive □irector pursuant to □tate □ ater □oard Resolution □o. □□□□□□□□□. These are cases that meet the criteria of the □ow□Threat U□T Case Closure □olicy. U□T Case Closure Review □enials and Approved □rders.

□ate of □overnment □ersion□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□
□ource□ □tate □ ater Resources Control □oard
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

A□T□ A□oveground □etroleum □torage Tank Facilities
A listing of a□oveground storage tank petroleum storage tank locations.

□ate of □overnment □ersion□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□
□ource□ California □nvironmental □rotection Agency
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

I□□IA□ U□T R□□ Underground □torage Tanks on Indian □and
The Indian Underground □torage Tank □U□T□data□ase provides information a□out underground storage tanks on Indian land in □□A Region □ □Iowa, □ansas, Missouri, □e□raska, and □ Tri□al □ations□.

□ate of □overnment □ersion□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□
□ource□ □□A Region □
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

I□□IA□ U□T R□□ Underground □torage Tanks on Indian □and
The Indian Underground □torage Tank □U□T□data□ase provides information a□out underground storage tanks on Indian land in □□A Region □ □Michigan, Minnesota and □ isconsin and Tri□al □ations□.

□ate of □overnment □ersion□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□
□ource□ □□A Region □
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

GOVERNMENT RECORDS SEARCHED / DATA CURRENTCY TRACKING

I□□IA□ U□T R□□ Underground □torage Tanks on Indian □and

The Indian Underground □torage Tank □U□T□data□ase provides information a□out underground storage tanks on Indian land in □□A Region □ □Ari□ona, California, Hawaii, □evada, the □acific Islands, and Tri□al □ations□.

□ate of □overnment □ersion□□□□□□□□□□□□□□□ □ource□ □□A Region □
□ate □ata Arrived at □□R□□□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

I□□IA□ U□T R□□□ Underground □torage Tanks on Indian □and

The Indian Underground □torage Tank □U□T□data□ase provides information a□out underground storage tanks on Indian land in □□A Region □□ □Alaska, Idaho, □regon, □ ashington, and Tri□al □ations□.

□ate of □overnment □ersion□□□□□□□□□□□□□□□ □ource□ □□A Region □□
□ate □ata Arrived at □□R□□□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

I□□IA□ U□T R□□ Underground □torage Tanks on Indian □and

The Indian Underground □torage Tank □U□T□data□ase provides information a□out underground storage tanks on Indian land in □□A Region □ □Connecticut, Maine, Massachusetts, □ew Hampshire, Rhode Island, □ermont and ten Tri□al □ations□.

□ate of □overnment □ersion□□□□□□□□□□□□□□□ □ource□ □□A, Region □
□ate □ata Arrived at □□R□□□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

I□□IA□ U□T R□□ Underground □torage Tanks on Indian □and

The Indian Underground □torage Tank □U□T□data□ase provides information a□out underground storage tanks on Indian land in □□A Region □ □ouisiana, Arkansas, □klahoma, □ew Me□ico, Te□as and □□ Tri□es□.

□ate of □overnment □ersion□□□□□□□□□□□□□□□ □ource□ □□A Region □
□ate □ata Arrived at □□R□□□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

I□□IA□ U□T R□□ Underground □torage Tanks on Indian □and

The Indian Underground □torage Tank □U□T□data□ase provides information a□out underground storage tanks on Indian land in □□A Region □ □Colorado, Montana, □orth □akota, □outh □akota, Utah, □ yoming and □□ Tri□al □ations□.

□ate of □overnment □ersion□□□□□□□□□□□□□□□ □ource□ □□A Region □
□ate □ata Arrived at □□R□□□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

I□□IA□ U□T R□□ Underground □torage Tanks on Indian □and

The Indian Underground □torage Tank □U□T□data□ase provides information a□out underground storage tanks on Indian land in □□A Region □ □Ala□ama, Florida, □eorgia, □entucky, Mississippi, □orth Carolina, □outh Carolina, Tennessee and Tri□al □ations□

□ate of □overnment □ersion□□□□□□□□□□□□□□□ □ource□ □□A Region □
□ate □ata Arrived at □□R□□□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal voluntary cleanup sites

I□□IA□ □C□ R□□ □oluntary Cleanup □riority □isting
A listing of voluntary cleanup priority sites located on Indian □and located in Region □.

□ate of □overnment □ersion□□□□□□□□□□□□ □ource□ □□A, Region □
□ate □ata Arrived at □□R□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

I□□IA□ □C□ R□□ □oluntary Cleanup □riority □isitng
A listing of voluntary cleanup priority sites located on Indian □and located in Region □.

□ate of □overnment □ersion□□□□□□□□□□□□ □ource□ □□A, Region □
□ate □ata Arrived at □□R□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

□C□□ □oluntary Cleanup □rogram □roperties
Contains low threat level properties with either confirmed or unconfirmed releases and the pro□ect proponents have re□uest that □T□C oversee investigation and□or cleanup activities and have agreed to provide coverage for □T□C's costs.

□ate of □overnment □ersion□□□□□□□□□□□□ □ource□ □epartment of To□ic □u□stances Control
□ate □ata Arrived at □□R□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□uarterly

State and tribal Brownfields sites

□R□□ □FI□□□□□ Considered □rownfeds □ites □isting
A listing of sites the □□ RC□ considers to □e □rownfields since these are sites have come to them through the M□A □rocess.

□ate of □overnment □ersion□□□□□□□□□□□□ □ource□ □tate □ ater Resources Control □oard
□ate □ata Arrived at □□R□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□uarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

U□ □R□□ □FI□□□□□ A □isting of □rownfields □ites
□rownfields are real property, the e□pansion, redevelopment, or reuse of which may □e complicated □y the presence or potential presence of a ha□ardous su□stance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and □oth improves and protects the environment. Assessment, Cleanup and Redevelopment □□change □ystem □ACR□□□stores information reported □y □□A □rownfields grant recipients on □rownfields properties assessed or cleaned up with grant funding as well as information on Targeted □rownfields Assessments performed □y □□A Regions. A listing of ACR□□ □rownfield sites is o□tained from Cleanups in My Community. Cleanups in My Community provides information on □rownfields properties for which information is reported □ack to □□A, as well as areas served □y □rownfields grant programs.

□ate of □overnment □ersion□□□□□□□□□□□□ □ource□ □nvironmental □rotection Agency
□ate □ata Arrived at □□R□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□emi□Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENT TRACKING

Local Lists of Landfill / Solid Waste Disposal Sites

 MU AT aste Management Unit ata ase
 aste Management Unit ata ase ystem. MU is used y the tate ater Resources Control oard staff and the Regional ater uality Control oards for program tracking and inventory of waste management units. MU is composed of the following data ases Facility Information, cheduled Inspections Information, aste Management Unit Information, AT rogram Information, AT Report ummary Information, AT Report ummary ata, Chapter formerly u chapter Information, Chapter Monitoring arameters, T CA rogram Information, RCRA rogram Information, Closure Information, and Interested arties Information.

ate of overnment ersion ource tate ater Resources Control oard
ate ata Arrived at R Telephone
ate Made Active in Reports ast R Contact
um er of ays to Update e t cheduled R Contact
ata Release Fre uency o Update lanned

 RC Recycler ata ase
A listing of recycling facilities in California.

ate of overnment ersion ource epartment of Conservation
ate ata Arrived at R Telephone
ate Made Active in Reports ast R Contact
um er of ays to Update e t cheduled R Contact
ata Release Fre uency uarterly

HAU R Registered aste Tire Haulers isting
A listing of registered waste tire haulers.

ate of overnment ersion ource Integrated aste Management oard
ate ata Arrived at R Telephone
ate Made Active in Reports ast R Contact
um er of ays to Update e t cheduled R Contact
ata Release Fre uency aries

I IA I Report on the tatus of pen umps on Indian ands
ocation of open dumps on Indian land.

ate of overnment ersion ource nvironmental rotection Agency
ate ata Arrived at R Telephone
ate Made Active in Reports ast R Contact
um er of ays to Update e t cheduled R Contact
ata Release Fre uency aries

 I pen ump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the art or art u title Criteria.

ate of overnment ersion ource nvironmental rotection Agency
ate ata Arrived at R Telephone
ate Made Active in Reports ast R Contact
um er of ays to Update e t cheduled R Contact A
ata Release Fre uency o Update lanned

 RI R I Torres Martine Reservation Illegal ump ite ocations
A listing of illegal dump sites location on the Torres Martine Indian Reservation located in eastern Riverside County and northern Imperial County, California.

ate of overnment ersion ource A, Region
ate ata Arrived at R Telephone
ate Made Active in Reports ast R Contact
um er of ays to Update e t cheduled R Contact
ata Release Fre uency o Update lanned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

IH□ □□□□ □UM□□□ □pen □umps on Indian □and
A listing of all open dumps located on Indian □and in the United □tates.

□ate of □overnment □ersion□□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□□
□ource□ □epartment of Health □ Human □erivces, Indian Health □ervice
Telephone□ □□□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

Local Lists of Hazardous waste / Contaminated Sites

U□ HI□T C□□□ □ational Clandestine □a□oratory Register
A listing of clandestine drug la□ locations that have □een removed from the □□As □ational Clandestine □a□oratory Register.

□ate of □overnment □ersion□□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□
□ource□ □rug □nforcement Administration
Telephone□ □□□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□□
□ata Release Fre□uency□□o Update □lanned

HI□T CA□□□IT□□□ Calsites □ata□ase
The Calsites data□ase contains potential or confirmed ha□ardous su□stance release properties. In □□□□, California □□A reevaluated and significantly reduced the num□er of sites in the Calsites data□ase. □o longer updated □y the state agency. It has □een replaced □y □□□IR□□T□R.

□ate of □overnment □ersion□□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□
□ource□ □epartment of To□ic □u□stance Control
Telephone□ □□□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□□
□ata Release Fre□uency□□o Update □lanned

□CH□ □chool □roperty □valuation □rogram
This category contains proposed and e□isting school sites that are □eing evaluated □y □T□C for possi□le ha□ardous materials contamination. In some cases, these properties may □e listed in the Cal□ites category depending on the level of threat to pu□lic health and safety or the environment they pose.

□ate of □overnment □ersion□□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□
□ource□ □epartment of To□ic □u□stances Control
Telephone□ □□□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□□
□ata Release Fre□uency□□uarterly

C□□□ Clandestine □rug □a□s
A listing of drug la□ locations. □isting of a location in this data□ase does not indicate that any illegal drug la□ materials were or were not present there, and does not constitute a determination that the location either re□uires or does not re□uire additional cleanup work.

□ate of □overnment □ersion□□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□
□ource□ □epartment of To□ic □u□stances Control
Telephone□ □□□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

T□□IC □IT□□ To□ic □its Cleanup Act □ites
To□ic □IT□ Cleanup Act □ites. T□□IC □IT□ identifies sites suspected of containing ha□ardous su□stances where cleanup has not yet □een completed.

□ate of □overnment □ersion□□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□
□ource□ □tate □ ater Resources Control □oard
Telephone□ □□□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□□
□ata Release Fre□uency□□o Update □lanned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

C□R□ HA□ □ A□T□□ C□R□ HA□ □ A□T□

□ist of sites in the California □nvironmental □rotection Agency □Cal□□A□Regulated □ite □ortal which fall under the Ha□ardous Chemical Management, Ha□ardous □ aste □nsite Treatment, Household Ha□ardous □ aste Collection, Ha□ardous □ aste □enerator, and RCRA □□ H□ □enerator programs.

□ate of □overnment □ersion□□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□
□ource□ Cal□□A
Telephone□ □□□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□□
□ata Release Fre□uency□□uarterly

U□ C□□□ Clandestine □rug □a□s

A listing of clandestine drug la□ locations. The U.□. □epartment of □ustice □□the □epartment□□provides this we□ site as a pu□lic 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 la□oratories or dumpsites. In most cases, the source of the entries is not the □epartment, and the □epartment has not verified the entry and does not guarantee its accuracy. Mem□ers of the pu□lic must verify the accuracy of all entries □y, for e□ample, contacting local law enforcement and local health departments.

□ate of □overnment □ersion□□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□
□ource□ □rug □nforcement Administration
Telephone□ □□□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□□
□ata Release Fre□uency□□uarterly

□FA□□ □FA□ Contamination □ite □ocation □isting

A listing of □FA□ contaminated sites included in the □eoTracker data□ase.

□ate of □overnment □ersion□□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□
□ource□ □tate □ ater Resources Control □oard
Telephone□ □□□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

Local Lists of Registered Storage Tanks

□□ □□□□ U□T□ □□ □□□□ U□T □isting

□tatewide □nvironmental □valuation and □lanning □ystem. This underground storage tank listing was updated and maintained □y a company contacted □y the □□ RC□ in the early □□□□'s. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the □□ □□□□ list.

□ate of □overnment □ersion□□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□
□ource□ □tate □ ater Resources Control □oard
Telephone□ □□A
□ast □□R Contact□□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□A
□ata Release Fre□uency□□o Update □lanned

U□T M□□□□ Cl□□□ Mendocino County U□T □ata□ase

A listing of underground storage tank locations in Mendocino County.

□ate of □overnment □ersion□□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□
□ource□ □epartment of □u□lic Health
Telephone□ □□□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□□
□ata Release Fre□uency□Annually

HI□T U□T□ Ha□ardous □u□stance □torage Container □ata□ase

The Ha□ardous □u□stance □torage Container □ata□ase is a historical listing of U□T sites. Refer to local□county source for current data.

GOVERNMENT RECORDS SEARCHED / DATA CURRENT TRACKING

Date of Government Version	Source: State Water Resources Control Board
Date Data Arrived at EDR	Telephone:
Date Made Active in Reports	Last EDR Contact
Number of Days to Update	Next Scheduled EDR Contact
	Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version	Source: San Francisco County Department of Public Health
Date Data Arrived at EDR	Telephone:
Date Made Active in Reports	Last EDR Contact
Number of Days to Update	Next Scheduled EDR Contact
	Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System CERS Tanks
List of sites in the California Environmental Protection Agency (Cal EPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version	Source: California Environmental Protection Agency
Date Data Arrived at EDR	Telephone:
Date Made Active in Reports	Last EDR Contact
Number of Days to Update	Next Scheduled EDR Contact
	Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version	Source: California Environmental Protection Agency
Date Data Arrived at EDR	Telephone:
Date Made Active in Reports	Last EDR Contact
Number of Days to Update	Next Scheduled EDR Contact
	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	Source: Department of Toxic Substances Control
Date Data Arrived at EDR	Telephone:
Date Made Active in Reports	Last EDR Contact
Number of Days to Update	Next Scheduled EDR Contact
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR	Telephone:
Date Made Active in Reports	Last EDR Contact
Number of Days to Update	Next Scheduled EDR Contact
	Data Release Frequency: Semi-Annually

Deed Restriction Listing

ite Mitigation and rownfields Reuse rogram Facility ites with eed Restrictions Ha ardous aste Management rogram Facility ites with eed and Use Restriction. The T C ite Mitigation and rownfields Reuse rogram M R list includes sites cleaned up under the program's oversight and generally does not include current or former ha ardous waste facilities that re uired a ha ardous waste facility permit. The list represents deed restrictions that are active. ome sites have multiple deed restrictions. The T C Ha ardous aste Management rogram H M has developed a list of current or former ha ardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were re uired y the T C H M as a result of the presence of ha ardous su stances that remain on site after the facility or part of the facility has een closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that inds current and future owners.

ate of overnment ersion
ate ata Arrived at R
ate Made Active in Reports
umer of ays to Update
ource T C and RC
Telephone
ast R Contact
e t cheduled R Contact
ata Release Fre uency emi Annually

Records of Emergency Release Reports

HMIR Ha ardous Materials Information Reporting ystem
Ha ardous Materials Incident Report ystem. HMIR contains ha ardous material spill incidents reported to T.

ate of overnment ersion
ate ata Arrived at R
ate Made Active in Reports
umer of ays to Update
ource U.. epartment of Transportation
Telephone
ast R Contact
e t cheduled R Contact
ata Release Fre uency uarterly

CHMIR California Ha ardous Material Incident Report ystem
California Ha ardous Material Incident Reporting ystem. CHMIR contains information on reported ha ardous material incidents accidental releases or spills.

ate of overnment ersion
ate ata Arrived at R
ate Made Active in Reports
umer of ays to Update
ource ffice of mergency ervices
Telephone
ast R Contact
e t cheduled R Contact
ata Release Fre uency emi Annually

and isposal ites isting TRAC R
and isposal sites andfills included in eoTracker. eoTracker is the ater oards data management system for sites that impact, or have the potential to impact, water uality in California, with emphasis on groundwater.

ate of overnment ersion
ate ata Arrived at R
ate Made Active in Reports
umer of ays to Update
ource tate ater ualilty Control oard
Telephone
ast R Contact
e t cheduled R Contact
ata Release Fre uency uarterly

MC Military Cleanup ites isting TRAC R
Military sites consisting of Military U T sites Military rivati ed sites and Military Cleanup sites formerly known as o non U T included in eoTracker. eoTracker is the ater oards data management system for sites that impact, or have the potential to impact, water uality in California, with emphasis on groundwater.

ate of overnment ersion
ate ata Arrived at R
ate Made Active in Reports
umer of ays to Update
ource tate ater Resources Control oard
Telephone
ast R Contact
e t cheduled R Contact
ata Release Fre uency uarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENT TRACKING

□□I□□□ □□□ □□I□□□□□ data from First□earch

□pills □□ includes those spill and release records availa□le e□clusively from First□earch data□ases. Typically, they may include chemical, oil and□or ha□ardous su□stance spills recorded after □□□□. □uplicate records that are already included in □□R incident and release records are not included in □pills □□.

□ate of □overnment □ersion□□□□□□□□□□□□	□ource□ First□earch
□ate □ata Arrived at □□R□□□□□□□□□□□□	Telephone□ □□□A
□ate Made Active in Reports□□□□□□□□□□□□	□ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□□□	□e□t □cheduled □□R Contact□□□□□□□□□□□□
	□ata Release Fre□uency□□o Update □lanned

Other Ascertainable Records

RCRA □on□en □□R□ RCRA □□on □enerators □□o □onger Regulated

RCRAInfo is □□A's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act □RCRA□of □□□□ and the Ha□ardous and □olid □aste Amendments □H□□ A□of □□□□. The data□ase includes selective information on sites which generate, transport, store, treat and□or dispose of ha□ardous waste as defined □y the Resource Conservation and Recovery Act □RCRA□. □on□□enerators do not presently generate ha□ardous waste.

□ate of □overnment □ersion□□□□□□□□□□□□	□ource□ □nvironmental □rotection Agency
□ate □ata Arrived at □□R□□□□□□□□□□□□	Telephone□ □□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□	□ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□□□	□e□t □cheduled □□R Contact□□□□□□□□□□□□
	□ata Release Fre□uency□□uarterly

FU□□□ Formerly Used □efense □ites

The listing includes locations of Formerly Used □efense □ites properties where the U□ Army Corps of □ngineers is actively working or will take necessary cleanup actions.

□ate of □overnment □ersion□□□□□□□□□□□□	□ource□ U.□. Army Corps of □ngineers
□ate □ata Arrived at □□R□□□□□□□□□□□□	Telephone□ □□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□	□ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□□□	□e□t □cheduled □□R Contact□□□□□□□□□□□□
	□ata Release Fre□uency□□aries

□□□□□epartment of □efense □ites

This data set consists of federally owned or administered lands, administered □y the □epartment of □efense, that have any area e□ual to or greater than □□□ acres of the United □tates, □uerto Rico, and the U.□. □irgin Islands.

□ate of □overnment □ersion□□□□□□□□□□□□	□ource□ U□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□	Telephone□ □□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□	□ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□□□	□e□t □cheduled □□R Contact□□□□□□□□□□□□
	□ata Release Fre□uency□□emi□Annually

F□□□A□□□ Federal and Indian □ands

Federally and Indian administrated lands of the United □tates. □ands included are administrated □y□Army Corps of □ngineers, □ureau of Reclamation, □ational □ ild and □cenic River, □ational □ ildlife Refuge, □u□lic □omain □and, □ ilderness, □ ilderness □tudy Area, □ ildlife Management Area, □ureau of Indian Affairs, □ureau of □and Management, □epartment of □ustice, Forest □ervice, Fish and □ ildlife □ervice, □ational □ark □ervice.

□ate of □overnment □ersion□□□□□□□□□□□□	□ource□ U.□. □eological □urvey
□ate □ata Arrived at □□R□□□□□□□□□□□□	Telephone□ □□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□	□ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□□□	□e□t □cheduled □□R Contact□□□□□□□□□□□□
	□ata Release Fre□uency□□□A

□CR□ □R□C□□A□□R□□ □tate Coalition for Remediation of □rycleaners □isting

The □tate Coalition for Remediation of □rycleaners was esta□lished in □□□□, with support from the U.□. □□A □ffice of □uperfund Remediation and Technology Innovation. It is comprised of representatives of states with esta□lished drycleaner remediation programs. Currently the mem□er states are Ala□ama, Connecticut, Florida, Illinois, □ansas, Minnesota, Missouri, □orth Carolina, □regon, □outh Carolina, Tennessee, Te□as, and □ isconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ate of overnment ersion	ource nvironmental rotection Agency
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency aries

U FI A UR Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of ha ardous waste are re uired to provide proof that they will have sufficient funds to pay for the clean up, closure, and post closure care of their facilities.

ate of overnment ersion	ource nvironmental rotection Agency
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency uarterly

A ATCH IT A ATCH IT

A maintains a atch ist to facilitate dialogue etween A, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. eing on the atch ist does not mean that the facility has actually violated the law only that an investigation y A or a state or local environmental agency has led those organi ations to allege that an unproven violation has in fact occurred. eing on the atch ist does not represent a higher level of concern regarding the alleged violations that were detected, ut instead indicates cases re uiring additional dialogue etween A, state and local agencies primarily ecause of the length of time the alleged violation has gone unaddressed or unresolved.

ate of overnment ersion	ource nvironmental rotection Agency
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency uarterly

C R ACTI Corrective Action rogram ist

The A has set am itious goals for the RCRA Corrective Action program y creating the Corrective Action Universe. This RCRA cleanup aseline includes facilities e pected to need corrective action. The universe contains a wide variety of sites. ome properties are heavily contaminated while others were contaminated ut have since een cleaned up. till others have not een fully investigated yet, and may re uire little or no remediation. Inclusion in the Universe does not necessarily imply failure on the part of a facility to meet its RCRA o ligations.

ate of overnment ersion	ource nvironmental rotection Agency
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency aries

T CA To ic u stances Control Act

To ic u stances Control Act. T CA identifies manufacturers and importers of chemical su stances included on the T CA Chemical u stance Inventory list. It includes data on the production volume of these su stances y plant site.

ate of overnment ersion	ource A
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency very ears

TRI To ic Chemical Release Inventory ystem

To ic Release Inventory ystem. TRI identifies facilities which release to ic chemicals to the air, water and land in reporta le uantities under ARA Title III ection .

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

[illegible] of [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]

[illegible] [illegible]
Telephone: [illegible]
[illegible] [illegible]
[illegible] [illegible]
[illegible] [illegible]

[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]

[illegible] [illegible]
Telephone: [illegible]
[illegible] [illegible]
[illegible] [illegible]
[illegible] [illegible]

[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]

[illegible] [illegible]
Telephone: [illegible]
[illegible] [illegible]
[illegible] [illegible]
[illegible] [illegible]

[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]

[illegible] [illegible]
Telephone: [illegible]
[illegible] [illegible]
[illegible] [illegible]
[illegible] [illegible]

[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]

[illegible] [illegible]
Telephone: [illegible]
[illegible] [illegible]
[illegible] [illegible]
[illegible] [illegible]

[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]

[illegible] [illegible]
Telephone: [illegible]
[illegible] [illegible]
[illegible] [illegible]
[illegible] [illegible]

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RP[illegible] otentially Responsi[illegible]le [illegible]arties
A listing of verified [illegible]otentially Responsi[illegible]le [illegible]arties

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]
[illegible]ource[illegible] [illegible]A
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible] uarterly

[illegible]A[illegible] [illegible]C[illegible] Activity [illegible]ata[illegible]ase [illegible]ystem
[illegible]C[illegible] Activity [illegible]ata[illegible]ase. [illegible]A[illegible] Identifies generators, transporters, commercial storers and[illegible]r [illegible]rokers and disposers of [illegible]C[illegible]'s who are re[illegible]uired to notify the [illegible]A of such activities.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]
[illegible]ource[illegible] [illegible]A
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible]Annually

ICI[illegible] Integrated Compliance Information [illegible]ystem
The Integrated Compliance Information [illegible]ystem [illegible]ICI[illegible] supports the information needs of the national enforcement and compliance program as well as the uni[illegible]ue needs of the [illegible]ational [illegible]ollutant [illegible]ischarge [illegible]limination [illegible]ystem [illegible] program.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]
[illegible]ource[illegible] [illegible]nvironmental [illegible]rotection Agency
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible] uarterly

FTT[illegible] FIFRA[illegible]T[illegible]CA Tracking [illegible]ystem [illegible]FIFRA [illegible]Federal Insecticide, Fungicide, [illegible] Rodenticide Act[illegible] T[illegible]CA [illegible]To[illegible]ic [illegible]u[illegible]stances Control Act[illegible]
FTT[illegible] tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, T[illegible]CA and [illegible]CRA [illegible]mergency [illegible]lanning and Community Right[illegible]to[illegible]now Act[illegible]. To maintain currency, [illegible]R contacts the Agency on a [illegible]uarterly [illegible]asis.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]
[illegible]ource[illegible] [illegible]A[illegible] ffice of [illegible]revention, [illegible]esticides and To[illegible]ic [illegible]u[illegible]stances
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible]o Update [illegible]lanned

FTT[illegible] I[illegible] FIFRA[illegible]T[illegible]CA Tracking [illegible]ystem [illegible]FIFRA [illegible]Federal Insecticide, Fungicide, [illegible] Rodenticide Act[illegible] T[illegible]CA [illegible]To[illegible]ic [illegible]u[illegible]stances Control Act[illegible]
A listing of FIFRA[illegible]T[illegible]CA Tracking [illegible]ystem [illegible]FTT[illegible] inspections and enforcements.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]
[illegible]ource[illegible] [illegible]A
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible]o Update [illegible]lanned

M[illegible]T[illegible] Material [illegible]icensing Tracking [illegible]ystem
M[illegible]T[illegible] is maintained [illegible]y the [illegible]uclear Regulatory Commission and contains a list of appro[illegible]imately [illegible],[illegible] sites which possess or use radioactive materials and which are su[illegible]ect to [illegible]RC licensing re[illegible]uirements. To maintain currency, [illegible]R contacts the Agency on a [illegible]uarterly [illegible]asis.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]
[illegible]ource[illegible] [illegible]uclear Regulatory Commission
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible] uarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

C A A H team lectric lant peration ata
A listing of power plants that store ash in surface ponds.

ate of overnment ersion
ate ata Arrived at R
ate Made Active in Reports
um er of ays to Update
ource epartment of nergy
Telephone
ast R Contact
e t cheduled R Contact
ata Release Fre uency aries

C A A H A Coal Com ustion Residues urface Impoundments ist
A listing of coal com ustion residues surface impoundments with high ha ard potential ratings.

ate of overnment ersion
ate ata Arrived at R
ate Made Active in Reports
um er of ays to Update
ource nvironmental rotection Agency
Telephone A
ast R Contact
e t cheduled R Contact
ata Release Fre uency aries

C TRA F RM R C Transformer Registration ata ase
The data ase of C transformer registrations that includes all C registration su mittals.

ate of overnment ersion
ate ata Arrived at R
ate Made Active in Reports
um er of ays to Update
ource nvironmental rotection Agency
Telephone
ast R Contact
e t cheduled R Contact
ata Release Fre uency aries

RA I F Radiation Information ata ase
The Radiation Information ata ase RA I F contains information a out facilities that are regulated y U. . nvironmental rotection Agency A regulations for radiation and radioactivity.

ate of overnment ersion
ate ata Arrived at R
ate Made Active in Reports
um er of ays to Update
ource nvironmental rotection Agency
Telephone
ast R Contact
e t cheduled R Contact
ata Release Fre uency uarterly

HI T FTT FIFRA T CA Tracking ystem Administrative Case isting
A complete administrative case listing from the FIFRA T CA Tracking ystem FTT for all ten A regions. The information was o tained from the ational Compliance ata ase C , C supports the implementation of FIFRA Federal Insecticide, Fungicide, and Rodenticide Act and T CA Toxic u stances Control Act, ome A regions are now closing out records. ecause of that, and the fact that some A regions are not providing A Head uarters with updated records, it was decided to create a HI T FTT data ase. It included records that may not e included in the newer FTT data ase updates. This data ase is no longer updated.

ate of overnment ersion
ate ata Arrived at R
ate Made Active in Reports
um er of ays to Update
ource nvironmental rotection Agency
Telephone
ast R Contact
e t cheduled R Contact
ata Release Fre uency o Update lanned

HI T FTT I FIFRA T CA Tracking ystem Inspection nforcement Case isting
A complete inspection and enforcement case listing from the FIFRA T CA Tracking ystem FTT for all ten A regions. The information was o tained from the ational Compliance ata ase C , C supports the implementation of FIFRA Federal Insecticide, Fungicide, and Rodenticide Act and T CA Toxic u stances Control Act, ome A regions are now closing out records. ecause of that, and the fact that some A regions are not providing A Head uarters with updated records, it was decided to create a HI T FTT data ase. It included records that may not e included in the newer FTT data ase updates. This data ase is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENT TRACKING

Date of Government Version	Source: Environmental Protection Agency
Date Data Arrived at EDR	Telephone:
Date Made Active in Reports	Last EDR Contact
Number of Days to Update	Next Scheduled EDR Contact
	Data Release Frequency: No Update Planned

NPDES: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version	Source: Department of Transporation, Office of Pipeline Safety
Date Data Arrived at EDR	Telephone:
Date Made Active in Reports	Last EDR Contact
Number of Days to Update	Next Scheduled EDR Contact
	Data Release Frequency: Quarterly

CERCLIS: 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	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR	Telephone: Varies
Date Made Active in Reports	Last EDR Contact
Number of Days to Update:	Next Scheduled EDR Contact
	Data Release Frequency: Varies

RCRA: 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. BR captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version	Source: EPA/NTIS
Date Data Arrived at EDR	Telephone:
Date Made Active in Reports	Last EDR Contact
Number of Days to Update	Next Scheduled EDR Contact
	Data Release Frequency: Biennially

INDIAN RESERVE: 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	Source: USGS
Date Data Arrived at EDR	Telephone:
Date Made Active in Reports	Last EDR Contact
Number of Days to Update	Next Scheduled EDR Contact
	Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program
1974 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	Source: Department of Energy
Date Data Arrived at EDR	Telephone:
Date Made Active in Reports	Last EDR Contact
Number of Days to Update:	Next Scheduled EDR Contact
	Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites
Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

[illegible] Date of [illegible] Government [illegible] Version [illegible]
[illegible] Date [illegible] Data Arrived at [illegible] R [illegible]
[illegible] Date Made Active in Reports [illegible]
[illegible] Number of [illegible] Days to Update [illegible]

[illegible] Source: [illegible] Department of [illegible] Energy
Telephone: [illegible]
[illegible] Last [illegible] R Contact [illegible]
[illegible] Next [illegible] Scheduled [illegible] R Contact [illegible]
[illegible] Data Release Fre[illegible]uency [illegible] Quarterly

[illegible] A [illegible] M [illegible] T [illegible] R [illegible] Lead [illegible] Smelter [illegible] Sites
A listing of former lead smelter site locations.

[illegible] Date of [illegible] Government [illegible] Version [illegible]
[illegible] Date [illegible] Data Arrived at [illegible] R [illegible]
[illegible] Date Made Active in Reports [illegible]
[illegible] Number of [illegible] Days to Update [illegible]

[illegible] Source: [illegible] Environmental [illegible] Protection Agency
Telephone: [illegible]
[illegible] Last [illegible] R Contact [illegible]
[illegible] Next [illegible] Scheduled [illegible] R Contact [illegible]
[illegible] Data Release Fre[illegible]uency [illegible] Quarterly

[illegible] A [illegible] M [illegible] T [illegible] R [illegible] Lead [illegible] Smelter [illegible] Sites
A list of several hundred sites in the U.[illegible]. where secondary lead smelting was done from [illegible] and [illegible]. These sites may pose a threat to pu[illegible]lic health through ingestion or inhalation of contaminated soil or dust

[illegible] Date of [illegible] Government [illegible] Version [illegible]
[illegible] Date [illegible] Data Arrived at [illegible] R [illegible]
[illegible] Date Made Active in Reports [illegible]
[illegible] Number of [illegible] Days to Update [illegible]

[illegible] Source: American [illegible] Journal of [illegible] Pu[illegible]lic Health
Telephone: [illegible]
[illegible] Last [illegible] R Contact [illegible]
[illegible] Next [illegible] Scheduled [illegible] R Contact [illegible] A
[illegible] Data Release Fre[illegible]uency [illegible] No Update [illegible] Planned

U[illegible] AIR[illegible] [illegible] AF[illegible] Aerometric Information Retrieval [illegible] System Facility [illegible] Su[illegible]system [illegible] AF[illegible]
The data[illegible]ase is a su[illegible]system of Aerometric Information Retrieval [illegible] System [illegible] AIR[illegible] AF[illegible] contains compliance data on air pollution point sources regulated [illegible]y the U.[illegible]. [illegible] A and[illegible]or state and local air regulatory agencies. This information comes from source reports [illegible]y various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information a[illegible]out 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.

[illegible] Date of [illegible] Government [illegible] Version [illegible]
[illegible] Date [illegible] Data Arrived at [illegible] R [illegible]
[illegible] Date Made Active in Reports [illegible]
[illegible] Number of [illegible] Days to Update [illegible]

[illegible] Source: [illegible] [illegible] A
Telephone: [illegible]
[illegible] Last [illegible] R Contact [illegible]
[illegible] Next [illegible] Scheduled [illegible] R Contact [illegible]
[illegible] Data Release Fre[illegible]uency [illegible] Annually

U[illegible] AIR[illegible] MI[illegible] R[illegible] Air Facility [illegible] System [illegible] Data
A listing of minor source facilities.

[illegible] Date of [illegible] Government [illegible] Version [illegible]
[illegible] Date [illegible] Data Arrived at [illegible] R [illegible]
[illegible] Date Made Active in Reports [illegible]
[illegible] Number of [illegible] Days to Update [illegible]

[illegible] Source: [illegible] [illegible] A
Telephone: [illegible]
[illegible] Last [illegible] R Contact [illegible]
[illegible] Next [illegible] Scheduled [illegible] R Contact [illegible]
[illegible] Data Release Fre[illegible]uency [illegible] Annually

U[illegible] MI[illegible] [illegible] Mines Master Inde[illegible] File
Contains all mine identification num[illegible]ers issued for mines active or opened since [illegible]. The data also includes violation information.

[illegible] Date of [illegible] Government [illegible] Version [illegible]
[illegible] Date [illegible] Data Arrived at [illegible] R [illegible]
[illegible] Date Made Active in Reports [illegible]
[illegible] Number of [illegible] Days to Update [illegible]

[illegible] Source: [illegible] Department of [illegible] a[illegible]or, Mine [illegible] Safety and Health Administration
Telephone: [illegible]
[illegible] Last [illegible] R Contact [illegible]
[illegible] Next [illegible] Scheduled [illegible] R Contact [illegible]
[illegible] Data Release Fre[illegible]uency [illegible] emi[illegible] Annually

MI[illegible] [illegible] I[illegible] [illegible] ATI[illegible] [illegible] M[illegible] HA [illegible] iolation Assessment [illegible] ata
Mines violation and assessment information. [illegible] epartment of [illegible] a[illegible]or, Mine [illegible] afety [illegible] Health Administration.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ate of overnment ersion	ource , Mine afety Health Admi
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency uarterly

U MI Ferrous and onferrous Metal Mines ata ase isting
This map layer includes ferrous ferrous metal mines are facilities that e tract ferrous metals, such as iron ore or moly denum and nonferrous onferrous metal mines are facilities that e tract nonferrous metals, such as gold, silver, copper, inc, and lead metal mines in the United tates.

ate of overnment ersion	ource U
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency aries

U MI Active Mines Mineral lants ata ase isting
Active Mines and Mineral rocessing lant operations for commodities monitored y the Minerals Information Team of the U .

ate of overnment ersion	ource U
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency aries

A A MI A andoned Mines
An inventory of land and water impacted y past mining primarily coal mining is maintained y MR to provide information needed to implement the urface Mining Control and Reclamation Act of MCRA. The inventory contains information on the location, type, and e tent of AM impacts, as well as, information on the cost associated with the reclamation of those pro lems. The inventory is ased upon field surveys y tate, Tri al, and MR program officials. It is dynamic to the e tent that it is modified as new pro lems are identified and e isting pro lems are reclaimed.

ate of overnment ersion	ource epartment of Interior
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency uarterly

FI Facility Inde ystem Facility Registry ystem
Facility Inde ystem. FI contains oth facility information and 'pointers' to other sources that contain more detail. R includes the following FI data ases in this report C ermit Compliance ystem, AIR Aerometric Information Retrieval ystem, C T nforcement ocket used to manage and track information on civil udicial enforcement cases for all environmental statutes, FUR Federal Underground In ection Control, C C T Criminal ocket ystem used to track criminal enforcement actions for all environmental statutes, FFI Federal Facilities Information ystem, TAT tate nvironmental aws and tatutes, and A C Activity ata ystem.

ate of overnment ersion	ource A
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency uarterly

U Une ploded rdnance ites
A listing of une ploded ordnance site locations

ate of overnment ersion	ource epartment of efense
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency aries

GOVERNMENT RECORDS SEARCHED / DATA CURRENT TRACKING

□□ C□□T H□ C□ Ha□ardous □ aste Compliance □ocket □isting
A complete list of the Federal Agency Ha□ardous □ aste Compliance □ocket Facilities.

□ate of □overnment □ersion□□□□□□□□□□□□□□□□ □ource□ □nvironmental □rotection Agency
□ate □ata Arrived at □□R□□□□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

□CH□□ □nforcement □ Compliance History Information
□CH□ provides integrated compliance and enforcement information for a□out □□□,□□□ regulated facilities nationwide.

□ate of □overnment □ersion□□□□□□□□□□□□□□□□ □ource□ □nvironmental □rotection Agency
□ate □ata Arrived at □□R□□□□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□□□□
□ata Release Fre□uency□□uarterly

FU□□□ □R□□RAM□ □□A Fuels □rogram Registered □isting
This listing includes facilities that are registered under the □art □□ □Code of Federal Regulations□□□A Fuels □rograms. All companies now are re□uired to su□mit new and updated registrations.

□ate of □overnment □ersion□□□□□□□□□□□□□□□□ □ource□ □□A
□ate □ata Arrived at □□R□□□□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□□□□
□ata Release Fre□uency□□uarterly

CA □□□□ □□□. □□A□□ □ond □□penditure □lan
□epartment of Health □ervices developed a site□specific e□penditure plan as the □asis for an appropriation of Ha□ardous □u□stance Cleanup □ond Act funds. It is not updated.

□ate of □overnment □ersion□□□□□□□□□□□□□□□□ □ource□ □epartment of Health □ervices
□ate □ata Arrived at □□R□□□□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□□□□
□um□er of □ays to Update□□ □e□t □cheduled □□R Contact□□□A
□ata Release Fre□uency□□o Update □lanned

C□RT□□□□ □Cortese□Ha□ardous □aste □ □u□stances □ites □ist
The sites for the list are designated □y the □tate □ ater Resource Control □oard □□U□T□ the Integrated □ aste □oard □□□ F□□□□□ and the □epartment of To□ic □u□stances Control □Cal□□ites□

□ate of □overnment □ersion□□□□□□□□□□□□□□□□ □ource□ CA□ □□A□□ ffice of □mergency Information
□ate □ata Arrived at □□R□□□□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□□□□
□ata Release Fre□uency□□uarterly

CU□A □I□□RM□ R□□□□□A□A□T□ □□ CU□A Facility □isting
list of facilities associated with the various CU□A programs in □ivermore□□leasanton

□ate of □overnment □ersion□□□□□□□□□□□□□□□□ □ource□ □ivermore□□leasanton Fire □epartment
□ate □ata Arrived at □□R□□□□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

CU□A □A□ FRA□CI□C□ C□□ CU□A Facility □isting
Cupa facilities

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version	Source: San Francisco County Department of Environmental Health
Date Data Arrived at EDR	Telephone:
Date Made Active in Reports	Last EDR Contact
Number of Days to Update	Next Scheduled EDR Contact
	Data Release Frequency: Varies

CERCLIS: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version	Source: Antelope Valley Air Quality Management District
Date Data Arrived at EDR	Telephone:
Date Made Active in Reports	Last EDR Contact
Number of Days to Update	Next Scheduled EDR Contact
	Data Release Frequency: Varies

CERCLIS: RCRA 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	Source: Department of Toxic Substance Control
Date Data Arrived at EDR	Telephone:
Date Made Active in Reports	Last EDR Contact
Number of Days to Update	Next Scheduled EDR Contact
	Data Release Frequency: Annually

CERCLIS: SOUTH COAST AQMT: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version	Source: South Coast Air Quality Management District
Date Data Arrived at EDR	Telephone:
Date Made Active in Reports	Last EDR Contact
Number of Days to Update	Next Scheduled EDR Contact
	Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version	Source: California Air Resources Board
Date Data Arrived at EDR	Telephone:
Date Made Active in Reports	Last EDR Contact
Number of Days to Update	Next Scheduled EDR Contact
	Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Informal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version	Source: State Water Resoruces Control Board
Date Data Arrived at EDR	Telephone:
Date Made Active in Reports	Last EDR Contact
Number of Days to Update	Next Scheduled EDR Contact
	Data Release Frequency: Varies

Financial Assurance: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version	Source: Department of Toxic Substances Control
Date Data Arrived at EDR	Telephone:
Date Made Active in Reports	Last EDR Contact
Number of Days to Update	Next Scheduled EDR Contact
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Financial Assurance : 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:	Source: California Integrated Waste Management Board
Date Data Arrived at EDR:	Telephone:
Date Made Active in Reports:	Last EDR Contact:
Number of Days to Update:	Next Scheduled EDR Contact:
	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 , ,, annually, representing approximately , , 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 .

Date of Government Version:	Source: California Environmental Protection Agency
Date Data Arrived at EDR:	Telephone:
Date Made Active in Reports:	Last EDR Contact:
Number of Days to Update:	Next Scheduled EDR Contact:
	Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections Enforcements sites tracked in Envirostor.

Date of Government Version:	Source: Department of Toxic Subsances Control
Date Data Arrived at EDR:	Telephone:
Date Made Active in Reports:	Last EDR Contact:
Number of Days to Update:	Next Scheduled EDR Contact:
	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 (CAL-SITES). This listing is no longer updated by the state agency.

Date of Government Version:	Source: Department of Toxic Substances Control
Date Data Arrived at EDR:	Telephone:
Date Made Active in Reports:	Last EDR Contact:
Number of Days to Update:	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:	Source: Department of Toxic Substances Control
Date Data Arrived at EDR:	Telephone:
Date Made Active in Reports:	Last EDR Contact:
Number of Days to Update:	Next Scheduled EDR Contact:
	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:	Source: Department of Toxic Substances Control
Date Data Arrived at EDR:	Telephone:
Date Made Active in Reports:	Last EDR Contact:
Number of Days to Update:	Next Scheduled EDR Contact:
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENT TRACKING

MI[illegible] Mines [illegible]ite [illegible]ocation [illegible]isting
A listing of mine site locations from the [illegible]ffice of Mine Reclamation.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]
[illegible]ource[illegible] [illegible]epartment of Conservation
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible]uarterly

M[illegible] M[illegible] Medical [illegible] aste Management [illegible]rogram [illegible]isting
The Medical [illegible] aste Management [illegible]rogram [illegible]M[illegible] M[illegible]ensures the proper handling and disposal of medical waste [illegible]y permitting and inspecting medical waste [illegible]ffsite Treatment Facilities [illegible][illegible]F[illegible]and Transfer [illegible]tations [illegible][illegible]F[illegible]throughout the state. M[illegible] M[illegible] also oversees all Medical [illegible] aste Transporters.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]
[illegible]ource[illegible] [illegible]epartment of [illegible]u[illegible]lic Health
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible]aries

[illegible] [illegible]ermits [illegible]isting
A listing of [illegible] permits, including stormwater.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]
[illegible]ource[illegible] [illegible]tate [illegible] ater Resources Control [illegible]oard
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible]uarterly

[illegible]T [illegible]IC[illegible] [illegible]esticide Regulation [illegible]icenses [illegible]isting
A listing of licenses and certificates issued [illegible]y the [illegible]epartment of [illegible]esticide Regulation. The [illegible]R issues licenses and[illegible]or certificates to[illegible]ersons and [illegible]usinesses that apply or sell pesticides[illegible]est control dealers and [illegible]rokers[illegible] [illegible]ersons who advise on agricultural pesticide applications.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]
[illegible]ource[illegible] [illegible]epartment of [illegible]esticide Regulation
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible]uarterly

[illegible]R[illegible] C[illegible] Certified [illegible]rocessors [illegible]ata[illegible]ase
A listing of certified processors.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]
[illegible]ource[illegible] [illegible]epartment of Conservation
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible]uarterly

[illegible][illegible]TIF[illegible] [illegible][illegible] [illegible]roposition [illegible][illegible] Records
[illegible]istings of all [illegible]roposition [illegible][illegible] incidents reported to counties [illegible]y the [illegible]tate [illegible] ater Resources Control [illegible]oard and the Regional [illegible] ater [illegible]uality Control [illegible]oard. This data[illegible]ase is no longer updated [illegible]y the reporting agency.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]
[illegible]ource[illegible] [illegible]tate [illegible] ater Resources Control [illegible]oard
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible]o Update [illegible]lanned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC□ UIC □isting
A listing of wells identified as underground in□ection wells, in the California □il and □as □ ells data□ase.

□ate of □overnment □ersion□□□□□□□□□□□□ □ource□ □eaprtment of Conservation
□ate □ata Arrived at □□R□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

UIC □□□□ Underground In□ection Control □ites □□ □□TRAC□□R□
Underground control in□ection sites

□ate of □overnment □ersion□□□□□□□□□□□□ □ource□ □tate □ ater Resource Control □oard
□ate □ata Arrived at □□R□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

□ A□T□□ AT□R □IT□□ □il □ astewater □its □isting
□ ater officials discovered that oil producers have □een dumping chemical□laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed □y the Central □alley Regional □ ater □uality Control □oard revealed the e□istence of previously unidentified waste sites. The water □oards review found that more than one□third of the region's active disposal pits are operating without permission.

□ate of □overnment □ersion□□□□□□□□□□□□ □ource□ R□ □C□, Central □alley Region
□ate □ata Arrived at □□R□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

□ □□□□ □ aste □ischarge □ystem
□ites which have □een issued waste discharge re□uirements.

□ate of □overnment □ersion□□□□□□□□□□□□ □ource□ □tate □ ater Resources Control □oard
□ate □ata Arrived at □□R□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□o Update □lanned

□ I□□ □ ell Investigation □rogram Case □ist
□ ell Investigation □rogram case in the □an □a□riel and □an Fernando □alley area.

□ate of □overnment □ersion□□□□□□□□□□□□ □ource□ □os Angeles □ ater □uality Control □oard
□ate □ata Arrived at □□R□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□o Update □lanned

MI□ITAR□ □RI□ □IT□□□ Military □rivati□ed □ites □□ □□TRAC□□R□
Military privati□ed sites

□ate of □overnment □ersion□□□□□□□□□□□□ □ource□ □tate □ ater Resources Control □oard
□ate □ata Arrived at □□R□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

□R□ □□CT□ □ro□ect □ites □□ □□TRAC□□R□
□ro□ects sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ate of overnment ersion	ource tate ater Resources Control oard
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency aries

R aste ischarge Re uirements isting

In general, the aste ischarge Re uirements Rs rogram sometimes also referred to as the on Chapter on rogram regulates point discharges that are e empt pursuant to u section of Title and not su ect to the Federal ater ollution Control Act. emptions from Title may e granted for nine categories of discharges e.g., sewage, wastewater, etc. that meet, and continue to meet, the preconditions listed for each specific e emption. The scope of the Rs rogram also includes the discharge of wastes classified as inert, pursuant to section of Title .

ate of overnment ersion	ource tate ater Resources Control oard
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency uarterly

CI California Integrated ater uality ystem

The California Integrated ater uality ystem CI is a computer system used y the tate and Regional ater uality Control oards to track information a out places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

ate of overnment ersion	ource tate ater Resources Control oard
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency aries

C R Cal A Regulated ite ortal ata

The Cal A Regulated ite ortal data ase com ines data a out environmentally regulated sites and facilities in California into a single data ase. It com ines data from a variety of state and federal data ases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include ha ardous materials and waste, state and federal cleanups, impacted ground and surface waters, and to ic materials

ate of overnment ersion	ource California nvironmental rotection Agency
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency aries

CA I F on Case Information ites TRAC R

on Case Information sites

ate of overnment ersion	ource tate ater Resources Control oard
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency aries

TH R I A ther il as ro ects ites TRAC R

ther il as ro ects sites

ate of overnment ersion	ource tate ater Resources Control oard
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency aries

GOVERNMENT RECORDS SEARCHED / DATA CURRENT TRACKING

PROD □ AT□R PONDS: □roduced □ ater □onds □ites ( ]□□ TRAC□□R)
□roduced water ponds sites

□ate of □overnment □ersion: 05/13/2020
□ate □ata Arrived at EDR: 05/13/2020
□ate Made Active in Reports: 05/15/2020
□um□er of □ays to Update: 2

□ource: □tate □ ater Resources Control □oard
Telephone: 866-480-1028
□ast EDR Contact: 06/09/2020
□e□t □cheduled EDR Contact: 09/21/2020
□ata Release Fre□uency: □aries

SAMPLING PO INT: □ampling □oint ? □u□lic □ites ( ]□□ TRAC□□R)
□ampling point - pu□lic sites

□ate of □overnment □ersion: 05/13/2020
□ate □ata Arrived at EDR: 05/13/2020
□ate Made Active in Reports: 05/15/2020
□um□er of □ays to Update: 2

□ource: □tate □ ater Resources Control □oard
Telephone: 866-480-1028
□ast EDR Contact: 06/09/2020
□e□t □cheduled EDR Contact: 09/21/2020
□ata Release Fre□uency: □aries

WELL □TIM PROJ: □ ell □timulation □ro□ect ( ]□□ TRAC□□R)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, □oundaries, and su□surface characteristics of the oilfield and the features □oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) □eing monitored

□ate of □overnment □ersion: 05/13/2020
□ate □ata Arrived at EDR: 05/13/2020
□ate Made Active in Reports: 05/15/2020
□um□er of □ays to Update: 2

□ource: □tate □ ater Resources Control □oard
Telephone: 866-480-1028
□ast EDR Contact: 06/09/2020
□e□t □cheduled EDR Contact: 09/21/2020
□ata Release Fre□uency: □aries

H□ T□: Ha□ardous □ aste Tracking □ystem
□T□C maintains the Ha□ardous □ aste Tracking □ystem that stores I□ num□er information since the early 1980s and manifest data since 1993. The system collects □oth manifest copies from the generator and destination facility.

□ate of □overnment □ersion: 04/08/2020
□ate □ata Arrived at EDR: 04/09/2020
□ate Made Active in Reports: 07/01/2020
□um□er of □ays to Update: 83

□ource: □epartment of To□ic □u□stances Control
Telephone: 916-324-2444
□ast EDR Contact: 06/29/2020
□e□t □cheduled EDR Contact: 10/19/2020
□ata Release Fre□uency: □aries

PCS: □ermit Compliance □ystem
PCS is a computeri□ed management information system that contains data on □ational □ollutant □ischarge □limination □ystem (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

□ate of □overnment □ersion: 07/14/2011
□ate □ata Arrived at EDR: 08/05/2011
□ate Made Active in Reports: 09/29/2011
□um□er of □ays to Update: 55

□ource: EPA, □ffice of □ ater
Telephone: 202-564-2496
□ast EDR Contact: 06/08/2020
□e□t □cheduled EDR Contact: 09/21/2020
□ata Release Fre□uency: □emi□Annually

PCS I□ACTI□□: □isting of Inactive PCS □ermits
An inactive permit is a facility that has shut down or is no longer discharging.

□ate of □overnment □ersion: 11/05/2014
□ate □ata Arrived at EDR: 01/06/2015
□ate Made Active in Reports: 05/06/2015
□um□er of □ays to Update: 120

□ource: EPA
Telephone: 202-564-2496
□ast EDR Contact: 07/09/2020
□e□t □cheduled EDR Contact: 10/19/2020
□ata Release Fre□uency: □emi□Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

□C□ □□F□ □nforcement data
□o description is availa□le for this data

□ate of □overnment □ersion□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□
□ource□ □□A
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

MI□□□ MR□□□ Mineral Resources □ata □ystem
Mineral Resources □ata □ystem

□ate of □overnment □ersion□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□
□ource□ U□□□
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

□□R M□□ □□R □roprietary Manufactured □as □lants
The □□R □roprietary Manufactured □as □lant □ata□ase includes records of coal gas plants □manufactured gas plants□ compiled □y □□R's researchers. Manufactured gas sites were used in the United □tates from the □□□□'s to □□□□'s to produce a gas that could □e distri□uted and used as fuel. These plants used whale oil, rosin, coal, or a mi□ture of coal, oil, and water that also produced a significant amount of waste. Many of the □yproducts of the gas production, such as coal tar □oily waste containing volatile and non□volatile chemicals□ sludges, oils and other compounds are potentially ha□ardous to human health and the environment. The □yproduct from this process was fre□uently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

□ate of □overnment □ersion□□□A
□ate □ata Arrived at □□R□□□A
□ate Made Active in Reports□□□A
□um□er of □ays to Update□□□A
□ource□ □□R, Inc.
Telephone□ □□A
□ast □□R Contact□□□A
□e□t □cheduled □□R Contact□□□A
□ata Release Fre□uency□□o Update □lanned

□□R Hist Auto□ □□R □□clusive Historical Auto □tations
□□R has searched selected national collections of □usiness directories and has collected listings of potential gas station□filling station□service station sites that were availa□le to □□R researchers. □□R's review was limited to those categories of sources that might, in □□R's opinion, include gas station□filling station□service station esta□lishments. The categories reviewed included, □ut were not limited to gas, gas station, gasoline station, filling station, auto, automo□ile repair, auto service station, service station, etc. This data□ase falls within a category of information □□R classifies as □High Risk Historical Records□ or HRHR. □□R's HRHR effort presents uni□ue and sometimes proprietary data a□out past sites and operations that typically create environmental concerns, □ut may not show up in current government records searches.

□ate of □overnment □ersion□□□A
□ate □ata Arrived at □□R□□□A
□ate Made Active in Reports□□□A
□um□er of □ays to Update□□□A
□ource□ □□R, Inc.
Telephone□ □□A
□ast □□R Contact□□□A
□e□t □cheduled □□R Contact□□□A
□ata Release Fre□uency□□aries

□□R Hist Cleaner□ □□R □□clusive Historical Cleaners
□□R has searched selected national collections of □usiness directories and has collected listings of potential dry cleaner sites that were availa□le to □□R researchers. □□R's review was limited to those categories of sources that might, in □□R's opinion, include dry cleaning esta□lishments. The categories reviewed included, □ut were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning□laundry, wash □ dry etc. This data□ase falls within a category of information □□R classifies as □High Risk Historical Records□ or HRHR. □□R's HRHR effort presents uni□ue and sometimes proprietary data a□out past sites and operations that typically create environmental concerns, □ut may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ate of overnment ersion	ource R, Inc.
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umber of ays to Update	e t cheduled R Contact
	ata Release Fre uency aries

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

R A F Recovered overnment Archive olid aste Facilities ist

The R Recovered overnment Archive andfill data ase provides a list of landfills derived from historical data ases and includes many records that no longer appear in current government lists. Compiled from Records formerly availa le from the epartment of Resources Recycling and Recovery in California.

ate of overnment ersion	ource epartment of Resources Recycling and Recovery
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umber of ays to Update	e t cheduled R Contact
	ata Release Fre uency aries

R A U T Recovered overnment Archive eaking Underground torage Tank

The R Recovered overnment Archive eaking Underground torage Tank data ase provides a list of U T incidents derived from historical data ases and includes many records that no longer appear in current government lists. Compiled from Records formerly availa le from the tate ater Resources Control oard in California.

ate of overnment ersion	ource tate ater Resources Control oard
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umber of ays to Update	e t cheduled R Contact
	ata Release Fre uency aries

COUNTY RECORDS

A AM A C U T

C A AM A Contaminated ites

A listing of contaminated sites overseen y the To ic Release rogram oil and groundwater contamination from chemical releases and spills and the eaking Underground torage Tank rogram soil and ground water contamination from leaking petroleum U Ts.

ate of overnment ersion	ource Alameda County nvironmental Health ervices
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umber of ays to Update	e t cheduled R Contact
	ata Release Fre uency emi Annually

U T A AM A Underground Tanks

Underground storage tank sites located in Alameda county.

ate of overnment ersion	ource Alameda County nvironmental Health ervices
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umber of ays to Update	e t cheduled R Contact
	ata Release Fre uency emi Annually

AMA R C U T

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CU□A AMA□□R□ CU□A Facility □ist
Cupa Facility □ist

□ate of □overnment □ersion□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ Amador County □nvironmental Health
Telephone□ □□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

□UTT□ C□U□T□□

CU□A □UTT□□ CU□A Facility □isting
Cupa facility list.

□ate of □overnment □ersion□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □u□lic Health □epartment
Telephone□ □□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□o Update □lanned

CA□□□RA□ C□U□T□□

CU□A CA□□□RA□□ CU□A Facility □isting
Cupa Facility □isting

□ate of □overnment □ersion□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ Calveras County □nvironmental Health
Telephone□ □□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□uarterly

C□□U□A C□U□T□□

CU□A C□□U□A□ CU□A Facility □ist
Cupa facility list.

□ate of □overnment □ersion□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ Health □ Human □ervices
Telephone□ □□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□emi□Annually

C□□TRA C□□TA C□U□T□□

□□ C□□TRA C□□TA□ □ite □ist
□ist includes sites from the underground tank, ha□ardous waste generator and □usiness plan□□□□□ programs.

□ate of □overnment □ersion□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ Contra Costa Health □ervices □epartment
Telephone□ □□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□emi□Annually

□□□ □□RT□ C□U□T□□

GOVERNMENT RECORDS SEARCHED / DATA CURRENT TRACKING

CU□A □□□ □□RT□□ CU□A Facility □ist
Cupa Facility list

□ate of □overnment □ersion□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□

□ource□ □□el □orte County □nvironmental Health □ivision
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

□□ □□RA□□ C□U□T□□

CU□A □□ □□RA□□□ CU□A Facility □ist
CU□A facility list.

□ate of □overnment □ersion□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□

□ource□ □□l □orado County □nvironmental Management □epartment
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

FR□□□□ C□U□T□□

CU□A FR□□□□□ CU□A Resources □ist
Certified Unified □rogram Agency. CU□A's are responsi□le for implementing a unified ha□ardous materials and ha□ardous waste management regulatory program. The agency provides oversight of □usinesses that deal with ha□ardous materials, operate underground storage tanks or a□oveground storage tanks.

□ate of □overnment □ersion□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□

□ource□ □□ept. of Community Health
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□emi□Annually

□□□□□ C□U□T□□

CU□A □□□□□□ CU□A Facility □ist
Cupa facility list

□ate of □overnment □ersion□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□

□ource□ □□lenn County Air □ollution Control □istrict
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□o Update □lanned

HUM□□ □□T C□U□T□□

CU□A HUM□□ □□T□ CU□A Facility □ist
CU□A facility list.

□ate of □overnment □ersion□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□

□ource□ Hum□oldt County □nvironmental Health
Telephone□ □□A
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□emi□Annually

IM□□RIA□ C□U□T□□

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CU□A IM□□RIA□□ CU□A Facility □ist
Cupa facility list.

□ate of □overnment □ersion□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □an □iego □order Field □ffice
Telephone□ □□□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

I□□□ C□U□T□□

CU□A I□□□□ CU□A Facility □ist
Cupa facility list.

□ate of □overnment □ersion□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ Inyo County □nvironmental Health □ervices
Telephone□ □□□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

□□R□ C□U□T□□

U□T □□R□□ Underground □torage Tank □ites □ Tank □isting
□ern County □ites and Tanks □isting.

□ate of □overnment □ersion□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □ern County □nvironment Health □ervices □epartment
Telephone□ □□□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□□uarterly

□I□□□ C□U□T□□

CU□A □I□□□□ CU□A Facility □ist
A listing of sites included in the county's Certified Unified □rogram Agency data□ase. California's □ecretary for □nvironmental □rotection esta□lished the unified ha□ardous materials and ha□ardous waste regulatory program as re□uired □y chapter □.□□ of the California Health and □afety Code. The Unified □rogram consolidates the administration, permits, inspections, and enforcement activities.

□ate of □overnment □ersion□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □ings County □epartment of □u□lic Health
Telephone□ □□□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

□A□□ C□U□T□□

CU□A □A□□□ CU□A Facility □ist
Cupa facility list

□ate of □overnment □ersion□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □ake County □nvironmental Health
Telephone□ □□□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

□A□□□□ C□U□T□□

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CU□A □A□□□□□ CU□A Facility □ist
Cupa facility list

□ate of □overnment □ersion□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □assen County □nvironmental Health
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

□□□ A□□□□□□ C□U□T□□

A□ C□□C□R□□□ey Areas of Concerns in □os Angeles County
□an □a□riel □alley areas where □□C contamination is at or a□ove the MC□ as designated □y region □□□A office. □ate of □overnment □ersion□□□□□□□□□□ □□ide □ite area is a cleanup plan of lead□impacted soil surrounding the former □□ide Facility as designated □y the □T□C. □ate of □overnment □ersion□□□□□□□□□□

□ate of □overnment □ersion□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □□A
Telephone□ □□A
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□o Update □lanned

HM□ □□□ A□□□□□□□ HM□□□treet □um□er □ist
Industrial □ aste and Underground □torage Tank □ites.

□ate of □overnment □ersion□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □epartment of □u□lic □ orks
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□emi□Annually

□F □□□ A□□□□□□□ □ist of □olid □ aste Facilities
□olid □ aste Facilities in □os Angeles County.

□ate of □overnment □ersion□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □a County □epartment of □u□lic □ orks
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

□F □□□ A□□□□□□ CIT□□ City of □os Angeles □andfills
□andfills owned and maintained □y the City of □os Angeles.

□ate of □overnment □ersion□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □ngineering □ Construction □ivision
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

□□□ A□□□□□□ A□T□ Active □ Inactive A□T Inventory
A listing of active □ inactive a□ove ground petroleum storage tank site locations, located in the City of □os Angeles.

□ate of □overnment □ersion□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □os Angeles Fire □epartment
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

□□ A□□□□□□ C□ □F M□THA□□□ Methane □roducing □andfills
This data was created on April □□, □□□□ to represent known disposal sites in □os Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within □os Angeles County that once accepted degrada□le refuse material. Information used to create this data was e□tracted from a landfill survey performed □y County □ngineers □Ma□or □ aste □ystem Map, □□□□□as well as historical records from CalRecycle, Regional □ ater □uality Control □oard, and □os Angeles County □epartment of □u□lic Health

□ate of □overnment □ersion□□□□□□□□□□□□□ □ource□ □os Angeles County □epartment of □u□lic □ orks
□ate □ata Arrived at □□R□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□□o Update □lanned

□□ A□□□□□□ HM□ Active □ Inactive Ha□ardous Materials Inventory
A listing of active □ inactive ha□ardous materials facility locations, located in the City of □os Angeles.

□ate of □overnment □ersion□□□□□□□□□□□□□ □ource□ □os Angeles Fire □epartment
□ate □ata Arrived at □□R□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

□□ A□□□□□□ U□T□ Active □ Inactive U□T Inventory
A listing of active □ inactive underground storage tank site locations and underground storage tank historical sites, located in the City of □os Angeles.

□ate of □overnment □ersion□□□□□□□□□□□□□ □ource□ □os Angeles Fire □epartment
□ate □ata Arrived at □□R□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

□IT□ MIT □□ □ A□□□□□□□□ □ite Mitigation □ist
Industrial sites that have had some sort of spill or complaint.

□ate of □overnment □ersion□□□□□□□□□□□□□ □ource□ Community Health □ervices
□ate □ata Arrived at □□R□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□Annually

U□T □□ □□□ U□□□□ City of □l □egundo Underground □torage Tank
Underground storage tank sites located in □l □egundo city.

□ate of □overnment □ersion□□□□□□□□□□□□□ □ource□ City of □l □egundo Fire □epartment
□ate □ata Arrived at □□R□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□□o Update □lanned

U□T □□□□ □□ACH□ City of □ong □each Underground □torage Tank
Underground storage tank sites located in the city of □ong □each.

□ate of □overnment □ersion□□□□□□□□□□□□□ □ource□ City of □ong □each Fire □epartment
□ate □ata Arrived at □□R□□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

U□T T□ RRA□ C□□ City of Torrance Underground □torage Tank
Underground storage tank sites located in the city of Torrance.

□ate of □overnment □ersion□□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ City of Torrance Fire □epartment
Telephone□ □□□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□□
□ata Release Fre□uency□□emi□Annually

MA□□RA C□U□T□□

CU□A MA□□RA□ CU□A Facility □ist
A listing of sites included in the county's Certified Unified □rogram Agency data□ase. California's □ecretary for □nvironmental □rotection esta□lished the unified ha□ardous materials and ha□ardous waste regulatory program as re□uired □y chapter □.□□ of the California Health and □afety Code. The Unified □rogram consolidates the administration, permits, inspections, and enforcement activities.

□ate of □overnment □ersion□□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ Madera County □nvironmental Health
Telephone□ □□□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

MARI□ C□U□T□□

U□T MARI□□ Underground □torage Tank □ites
Currently permitted U□Ts in Marin County.

□ate of □overnment □ersion□□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □u□lic □ orks □epartment □ aste Management
Telephone□ □□□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□□
□ata Release Fre□uency□□emi□Annually

M□RC□□ C□U□T□□

CU□A M□RC□□□ CU□A Facility □ist
CU□A facility list.

□ate of □overnment □ersion□□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ Merced County □nvironmental Health
Telephone□ □□□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

M□□□ C□U□T□□

CU□A M□□□□ CU□A Facility □ist
CU□A Facility □ist

□ate of □overnment □ersion□□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ Mono County Health □epartment
Telephone□ □□□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

M□□T□R□□ C□U□T□□

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA M[illegible]T[illegible]R[illegible] CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version[illegible] Source: Monterey County Health Department
Date Data Arrived at [illegible]R[illegible] Telephone: [illegible]
Date Made Active in Reports[illegible] Last [illegible]R Contact[illegible]
Number of Days to Update[illegible] Next Scheduled [illegible]R Contact[illegible]
Data Release Frequency[illegible]aries

[illegible]AA CU[illegible]T[illegible]

[illegible]UST [illegible]AA[illegible] Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version[illegible] Source: [illegible]apa County Department of Environmental Management
Date Data Arrived at [illegible]R[illegible] Telephone: [illegible]
Date Made Active in Reports[illegible] Last [illegible]R Contact[illegible]
Number of Days to Update[illegible] Next Scheduled [illegible]R Contact[illegible]
Data Release Frequency[illegible]o Update Planned

UST [illegible]A[illegible] Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version[illegible] Source: [illegible]apa County Department of Environmental Management
Date Data Arrived at [illegible]R[illegible] Telephone: [illegible]
Date Made Active in Reports[illegible] Last [illegible]R Contact[illegible]
Number of Days to Update[illegible] Next Scheduled [illegible]R Contact[illegible]
Data Release Frequency[illegible]o Update Planned

[illegible]AA CU[illegible]T[illegible]

CUPA [illegible]AA[illegible] CUPA Facility List
CUPA facility list.

Date of Government Version[illegible] Source: Community Development Agency
Date Data Arrived at [illegible]R[illegible] Telephone: [illegible]
Date Made Active in Reports[illegible] Last [illegible]R Contact[illegible]
Number of Days to Update[illegible] Next Scheduled [illegible]R Contact[illegible]
Data Release Frequency[illegible]aries

[illegible]RA[illegible] CU[illegible]T[illegible]

I[illegible]IT [illegible]RA[illegible] List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version[illegible] Source: Health Care Agency
Date Data Arrived at [illegible]R[illegible] Telephone: [illegible]
Date Made Active in Reports[illegible] Last [illegible]R Contact[illegible]
Number of Days to Update[illegible] Next Scheduled [illegible]R Contact[illegible]
Data Release Frequency: Annually

[illegible]UST [illegible]RA[illegible] List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups ([illegible]UST).

Date of Government Version[illegible] Source: Health Care Agency
Date Data Arrived at [illegible]R[illegible] Telephone: [illegible]
Date Made Active in Reports[illegible] Last [illegible]R Contact[illegible]
Number of Days to Update[illegible] Next Scheduled [illegible]R Contact[illegible]
Data Release Frequency[illegible]uarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENT TRACKING

U T RA ist of Underground torage Tank Facilities
range County Underground torage Tank Facilities UT.

ate of overnment ersion
ate ata Arrived at R
ate Made Active in Reports
um er of ays to Update
ource Health Care Agency
Telephone
ast R Contact
e t cheduled R Contact
ata Release Fre uency uarterly

AC R C U T

M AC R Master ist of Facilities
ist includes a oveground tanks, underground tanks and cleanup sites.

ate of overnment ersion
ate ata Arrived at R
ate Made Active in Reports
um er of ays to Update
ource lacer County Health and Human ervices
Telephone
ast R Contact
e t cheduled R Contact
ata Release Fre uency emi Annually

UMA C U T

CU A UMA CU A Facility ist
lumas County CU A rogram facilities.

ate of overnment ersion
ate ata Arrived at R
ate Made Active in Reports
um er of ays to Update
ource lumas County nvironmental Health
Telephone
ast R Contact
e t cheduled R Contact
ata Release Fre uency aries

RI R I C U T

U T RI R I isting of Underground Tank Cleanup ites
Riverside County Underground torage Tank Cleanup ites UT.

ate of overnment ersion
ate ata Arrived at R
ate Made Active in Reports
um er of ays to Update
ource epartment of nvironmental Health
Telephone
ast R Contact
e t cheduled R Contact
ata Release Fre uency uarterly

U T RI R I Underground torage Tank Tank ist
Underground storage tank sites located in Riverside county.

ate of overnment ersion
ate ata Arrived at R
ate Made Active in Reports
um er of ays to Update
ource epartment of nvironmental Health
Telephone
ast R Contact
e t cheduled R Contact
ata Release Fre uency uarterly

ACRAM T C U T

C ACRAM T To ic ite Clean Up ist
ist of sites where unauthori ed releases of potentially ha ardous materials have occurred.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ate of overnment ersion	ource acramento County nvironmental Management
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency uarterly

M ACRAM T Master Ha ardous Materials Facility ist

Any usiness that has ha ardous materials on site ha ardous material storage sites, underground storage tanks, waste generators.

ate of overnment ersion	ource acramento County nvironmental Management
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency uarterly

A IT C U T

CU A A IT CU A Facility ist

Cupa facility list

ate of overnment ersion	ource an enito County nvironmental Health
ate ata Arrived at R	Telephone A
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency aries

A R AR I C U T

RMIT A R AR I Ha ardous Material ermits

This listing includes underground storage tanks, medical waste handlers generators, ha ardous materials handlers, ha ardous waste generators, and waste oil generators handlers.

ate of overnment ersion	ource an ernardino County Fire epartment Ha ardous Materials ivision
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency uarterly

A I C U T

HMM A I Ha ardous Materials Management ivision ata ase

The data ase includes H This report contains the usiness name, site address, usiness phone num er, esta lishment 'H' permit num er, type of permit, and the usiness status. H In addition to providing the same information provided in the H listing, H provides inspection dates, violations received y the esta lishment, ha ardous waste generated, the uantity, method of storage, treatment disposal of waste and the hauler, and information on underground storage tanks. Unauthori ed Release ist Includes a summary of environmental contamination cases in an iego County underground tank cases, non tank cases, groundwater contamination, and soil contamination are included.

ate of overnment ersion	ource Ha ardous Materials Management ivision
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Fre uency uarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENT TRACKING

SWF SAN DIEGO Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version
Date Data Arrived at ER
Date Made Active in Reports
Number of Days to Update
Source Department of Health Services
Telephone
Last ER Contact
Next Scheduled ER Contact
Data Release Frequency Varies

SAN DIEGO CO HAZ Local Oversight Program Listing
A listing of all UST release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints, however, some of them could be UST cases.

Date of Government Version
Date Data Arrived at ER
Date Made Active in Reports
Number of Days to Update
Source Department of Environmental Health
Telephone
Last ER Contact
Next Scheduled ER Contact
Data Release Frequency Varies

SAN DIEGO CO HMS HMS 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
Date Data Arrived at ER
Date Made Active in Reports
Number of Days to Update
Source San Diego County Department of Environmental Health
Telephone
Last ER Contact
Next Scheduled ER Contact
Data Release Frequency No Update Planned

SAN FRANCISCO CO UST

UST SAN FRANCISCO Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version
Date Data Arrived at ER
Date Made Active in Reports
Number of Days to Update
Source Department of Public Health San Francisco County
Telephone
Last ER Contact
Next Scheduled ER Contact
Data Release Frequency No Update Planned

UST SAN FRANCISCO Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version
Date Data Arrived at ER
Date Made Active in Reports
Number of Days to Update
Source Department of Public Health
Telephone
Last ER Contact
Next Scheduled ER Contact
Data Release Frequency Quarterly

SAN JOAQUIN CO UST

UST SAN JOAQUIN San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version
Date Data Arrived at ER
Date Made Active in Reports
Number of Days to Update
Source Environmental Health Department
Telephone N/A
Last ER Contact
Next Scheduled ER Contact
Data Release Frequency Semi-Annually

SAN LUIS OBISPO CO UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CU□A □A□ □UI□ □□I□□□□ CU□A Facility □ist
Cupa Facility □ist.

□ate of □overnment □ersion□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □an □uis □ □ispo County □u□lic Health □epartment
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

□A□ MAT□□ C□U□T□□

□I □A□ MAT□□□ □usiness Inventory
□ist includes Ha□ardous Materials □usiness □lan, ha□ardous waste generators, and underground storage tanks.

□ate of □overnment □ersion□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □an Mateo County □nvironmental Health □ervices □ivision
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□Annually

□U□T □A□ MAT□□□ Fuel □eak □ist
A listing of leaking underground storage tank sites located in □an Mateo county.

□ate of □overnment □ersion□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □an Mateo County □nvironmental Health □ervices □ivision
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□emi□Annually

□A□TA □AR□ARA C□U□T□□

CU□A □A□TA □AR□ARA□ CU□A Facility □isting
CU□A □rogram □isting from the □nvironmental Health □ervices division.

□ate of □overnment □ersion□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □anta □ar□ara County □u□lic Health □epartment
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□o Update □lanned

□A□TA C□ARA C□U□T□□

CU□A □A□TA C□ARA□ Cupa Facility □ist
Cupa facility list

□ate of □overnment □ersion□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □epartment of □nvironmental Health
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

HI□T □U□T □A□TA C□ARA□ HI□T □U□T □Fuel □eak □ite Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated □y the county.
□eaking underground storage tanks are now handled □y the □epartment of □nvironmental Health.

□ate of □overnment □ersion□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □anta Clara □alley □ ater □istrict
Telephone□ □□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□o Update □lanned

GOVERNMENT RECORDS SEARCHED / DATA CURRENT TRACKING

[illegible] A[illegible]TA C[illegible]ARA[illegible] [illegible]isting
A listing of leaking underground storage tanks located in [illegible]anta Clara county.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]

[illegible]ource[illegible] [illegible]epartment of [illegible]nvironmental Health
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible]o Update [illegible]lanned

[illegible]A[illegible] HA[illegible]MAT[illegible] Ha[illegible]ardous Material Facilities
Ha[illegible]ardous material facilities, including underground storage tank sites.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]

[illegible]ource[illegible] City of [illegible]an [illegible]ose Fire [illegible]epartment
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible]Annually

[illegible]A[illegible]TA CRU[illegible] C[illegible]U[illegible]T[illegible]

CU[illegible]A [illegible]A[illegible]TA CRU[illegible] CU[illegible]A Facility [illegible]ist
CU[illegible]A facility listing.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]

[illegible]ource[illegible] [illegible]anta Cru[illegible] County [illegible]nvironmental Health
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible]aries

[illegible]HA[illegible]TA C[illegible]U[illegible]T[illegible]

CU[illegible]A [illegible]HA[illegible]TA[illegible] CU[illegible]A Facility [illegible]ist
Cupa Facility [illegible]ist.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]

[illegible]ource[illegible] [illegible]hasta County [illegible]epartment of Resource Management
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible]aries

[illegible][illegible]A[illegible] C[illegible]U[illegible]T[illegible]

[illegible]U[illegible]T [illegible][illegible]A[illegible][illegible] [illegible]eaking Underground [illegible]torage Tanks
A listing of leaking underground storage tank sites located in [illegible]olano county.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]

[illegible]ource[illegible] [illegible]olano County [illegible]epartment of [illegible]nvironmental Management
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible]uarterly

U[illegible]T [illegible][illegible]A[illegible][illegible] Underground [illegible]torage Tanks
Underground storage tank sites located in [illegible]olano county.

[illegible]ate of [illegible]overnment [illegible]ersion[illegible]
[illegible]ate [illegible]ata Arrived at [illegible]R[illegible]
[illegible]ate Made Active in Reports[illegible]
[illegible]um[illegible]er of [illegible]ays to Update[illegible]

[illegible]ource[illegible] [illegible]olano County [illegible]epartment of [illegible]nvironmental Management
Telephone[illegible]
[illegible]ast [illegible]R Contact[illegible]
[illegible]e[illegible]t [illegible]cheduled [illegible]R Contact[illegible]
[illegible]ata Release Fre[illegible]uency[illegible]uarterly

[illegible][illegible]MA C[illegible]U[illegible]T[illegible]

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CU□A □□□□MA□ Cupa Facility □ist
Cupa Facility list

□ate of □overnment □ersion□□□□□□□□□□□□ □ource□ County of □onoma Fire □ □mergency □ervices □epartment
□ate □ata Arrived at □□R□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

□U□T □□□□MA□ □eaking Underground □torage Tank □ites
A listing of leaking underground storage tank sites located in □onoma county.

□ate of □overnment □ersion□□□□□□□□□□□□ □ource□ □epartment of Health □ervices
□ate □ata Arrived at □□R□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□uarterly

□TA□I□□AU□ C□U□T□□

CU□A □TA□I□□AU□□ CU□A Facility □ist
Cupa facility list

□ate of □overnment □ersion□□□□□□□□□□□□ □ource□ □tanislaus County □epartment of □nvironmental □rotection
□ate □ata Arrived at □□R□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

□UTT□R C□U□T□□

U□T □UTT□R□ Underground □torage Tanks
Underground storage tank sites located in □utter county.

□ate of □overnment □ersion□□□□□□□□□□□□ □ource□ □utter County □nvironmental Health □ervices
□ate □ata Arrived at □□R□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□emi□Annually

T□HAMA C□U□T□□

CU□A T□HAMA□ CU□A Facility □ist
Cupa facilities

□ate of □overnment □ersion□□□□□□□□□□□□ □ource□ Tehama County □epartment of □nvironmental Health
□ate □ata Arrived at □□R□□□□□□□□□□□□ Telephone□ □□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□ □ast □□R Contact□□□□□□□□□□□□
□um□er of □ays to Update□□□ □e□t □cheduled □□R Contact□□□□□□□□□□□□
□ata Release Fre□uency□□aries

TRI□IT□ C□U□T□□

CU□A TRI□IT□□ CU□A Facility □ist
Cupa facility list

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ate of overnment ersion	ource epartment of Toic ustances Control
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Freuency aries

TUAR C UT

CUA TUAR CUA Facility ist
Cupa program facilities

ate of overnment ersion	ource Tulare County nvironmental Health ervices ivision
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Freuency aries

TU UM C UT

CUA TU UM CUA Facility ist
Cupa facility list

ate of overnment ersion	ource ivison of nvironmental Health
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Freuency aries

TURA C UT

T TURA usiness lan, Haardous aste roducers, and perating Underground Tanks
The T list indicates y site address whether the nvironmental Health ivision has usiness lan , aste roducer , and or Underground Tank T information.

ate of overnment ersion	ource entura County nvironmental Health ivision
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Freuency uarterly

F TURA Inventory of Illegal Aandoned and Inactive ites
entura County Inventory of Closed, Illegal Aandoned, and Inactive ites.

ate of overnment ersion	ource nvironmental Health ivision
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Freuency o Update lanned

UT TURA isting of Underground Tank Cleanup ites
entura County Underground torage Tank Cleanup ites UT.

ate of overnment ersion	ource nvironmental Health ivision
ate ata Arrived at R	Telephone
ate Made Active in Reports	ast R Contact
umer of ays to Update	e t cheduled R Contact
	ata Release Freuency o Update lanned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

M□□ □ A□T□ □□□TURA□ Medical □ aste □rogram □ist
To protect pu□lic health and safety and the environment from potential e□posure to disease causing agents, the □nvironmental Health □ivision Medical □ aste □rogram regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

□ate of □overnment □ersion□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □entura County Resource Management Agency
Telephone□ □□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□□uarterly

U□T □□□TURA□ Underground Tank Closed □ites □ist
□entura County □perating Underground □torage Tank □ites □U□T□□Underground Tank Closed □ites □ist.

□ate of □overnment □ersion□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □nvironmental Health □ivision
Telephone□ □□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□□uarterly

□□□□ C□U□T□□

U□T □□□□□ Underground □torage Tank Comprehensive Facility Report
Underground storage tank sites located in □olo county.

□ate of □overnment □ersion□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □olo County □epartment of Health
Telephone□ □□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□Annually

□U□A C□U□T□□

CU□A □U□A□ CU□A Facility □ist
CU□A facility listing for □u□a County.

□ate of □overnment □ersion□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □u□a County □nvironmental Health □epartment
Telephone□ □□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□□aries

OTHER DATABASE(S)

□epending on the geographic area covered □y this report, the data provided in these specialty data□ases may or may not □e complete. For e□ample, the e□istence of wetlands information data in a specific report does not mean that all wetlands in the area covered □y the report are included. Moreover, the a□sence of any reported wetlands information does not necessarily mean that wetlands do not e□ist in the area covered □y the report.

CT MA□IF□□T□ Ha□ardous □ aste Manifest □ata
Facility and manifest data. Manifest is a document that lists and tracks ha□ardous waste from the generator through transporters to a tsd facility.

□ate of □overnment □ersion□□□□□□□□□□□□□
□ate □ata Arrived at □□R□□□□□□□□□□□□□
□ate Made Active in Reports□□□□□□□□□□□□□
□um□er of □ays to Update□□□□

□ource□ □epartment of □nergy □ □nvironmental □rotection
Telephone□ □□□□□□□□□□□□□
□ast □□R Contact□□□□□□□□□□□□□
□e□t □cheduled □□R Contact□□□□□□□□□□□□□
□ata Release Fre□uency□□o Update □lanned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MA IF T Manifest Information
Ha ardous waste manifest information.

ate of overnment ersion
ate ata Arrived at R
ate Made Active in Reports
um er of ays to Update
ource epartment of nvironmental rotection
Telephone A
ast R Contact
e t cheduled R Contact
ata Release Fre uency Annually

MA IF T Facility and Manifest ata
Manifest is a document that lists and tracks ha ardous waste from the generator through transporters to a T facility.

ate of overnment ersion
ate ata Arrived at R
ate Made Active in Reports
um er of ays to Update
ource epartment of nvironmental Conservation
Telephone
ast R Contact
e t cheduled R Contact
ata Release Fre uency uarterly

A MA IF T Manifest Information
Ha ardous waste manifest information.

ate of overnment ersion
ate ata Arrived at R
ate Made Active in Reports
um er of ays to Update
ource epartment of nvironmental rotection
Telephone
ast R Contact
e t cheduled R Contact
ata Release Fre uency Annually

RI MA IF T Manifest information
Ha ardous waste manifest information

ate of overnment ersion
ate ata Arrived at R
ate Made Active in Reports
um er of ays to Update
ource epartment of nvironmental Management
Telephone
ast R Contact
e t cheduled R Contact
ata Release Fre uency Annually

I MA IF T Manifest Information
Ha ardous waste manifest information.

ate of overnment ersion
ate ata Arrived at R
ate Made Active in Reports
um er of ays to Update
ource epartment of atural Resources
Telephone A
ast R Contact
e t cheduled R Contact
ata Release Fre uency Annually

il as ipelines
ource ndeavor usiness Media
etroleum undle Crude il, Refined roducts, etrochemicals, as i uids and pecialty ases Miscellaneous atural as undle atural as, as i uids and pecialty ases Miscellaneous This map includes information copyrighted y ndeavor usiness Media. This information is provided on a est effort asis and ndeavor usiness Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. uch information has een reprinted with the permission of ndeavor usiness Media.

lectric ower Transmission ine ata
ource ndeavor usiness Media
This map includes information copyrighted y ndeavor usiness Media. This information is provided on a est effort asis and ndeavor usiness Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. uch information has een reprinted with the permission of ndeavor usiness Media.

ensitive 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. hile the location of all sensitive receptors cannot e determined, R indicates those uildings and facilities schools, daycares, hospitals, medical centers, and nursing homes where individuals who are sensitive receptors are likely to e located.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AHA Hospitals
Source: American Hospital Association, Inc.
Telephone:
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:
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:
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone:
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:
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:

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 LOMR data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone:
Date of Government Version: , 2009

USFWS National Wetlands Inventory: This data, available in select counties across the country, was obtained by GDR in 2009, 2010 and 2011 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone:

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

R T U IC CH
R CRA
C M T , CA

TARGET PROPERTY COORDINATES

atitude orth	' .''
ongitude est	' .''
Universal Tranverse Mercator	one
UTM Meters	.0
UTM Meters	.0
levation	ft. a ove sea level

USGS TOPOGRAPHIC MAP

Target roperty Map	I , CA
ersion ate	
ortheast Map	UTH AT , CA
ersion ate	

R's eoCheck hysical etting ource Addendum is provided to assist the environmental professional in forming an opinion a out the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components

1. roundwater flow direction, and
2. roundwater flow velocity.

roundwater flow direction may e impacted y surface topography, hydrology, hydrogeology, characteristics of the soil, and near y wells. roundwater flow velocity is generally impacted y the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

□roundwater flow direction for a particular site is □est determined □y a □ualified environmental professional using site□specific well data. If such data is not reasona□ly ascertaina□le, it may □e necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on near□y properties, and regional groundwater flow information □from deep a□uifers□.

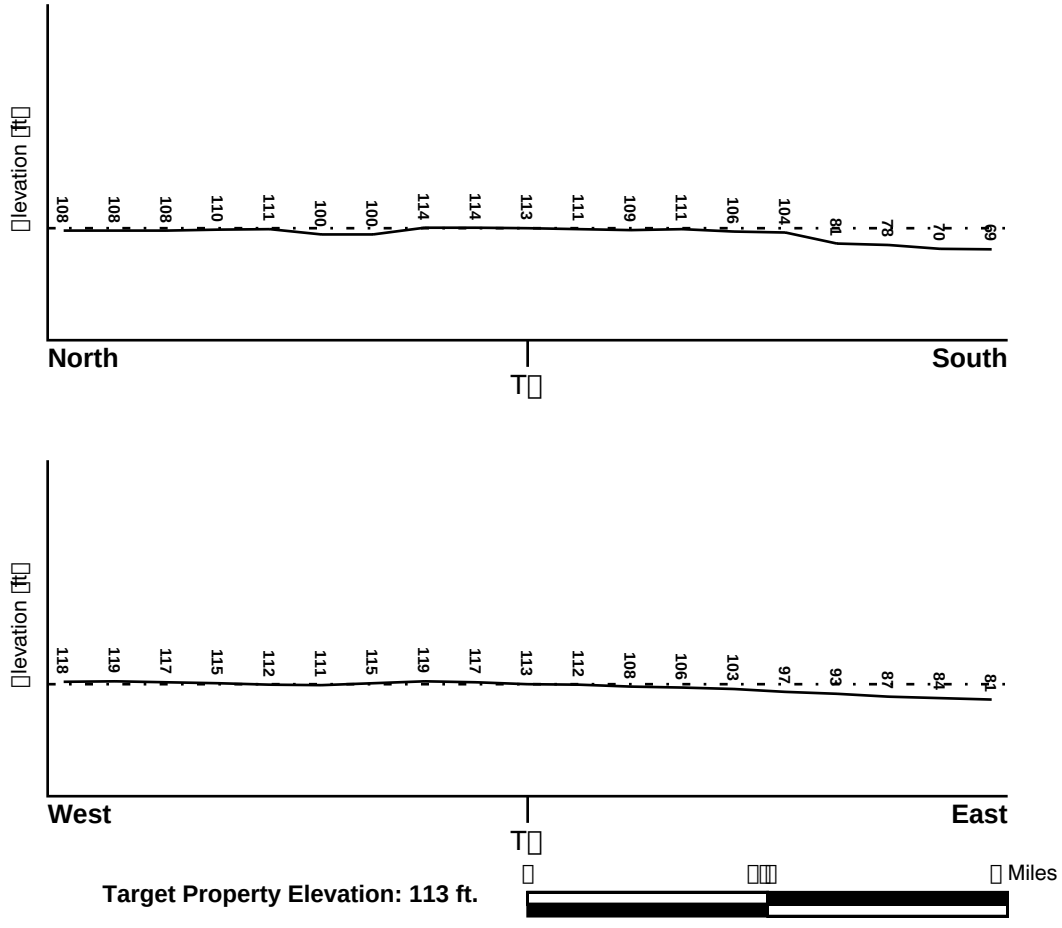
TOPOGRAPHIC INFORMATION

□urface topography may □e indicative of the direction of surficial groundwater flow. This information can □e used to assist the environmental professional in forming an opinion a□out the impact of near□y contaminated properties or, should contamination e□ist on the target property, what downgradient sites might □e impacted.

TARGET PROPERTY TOPOGRAPHY

□eneral Topographic □radient□ □eneral □□□

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 113 ft.

□ource□Topography has □een determined from the U□□□ □.□' □igital □levation Model and should □e evaluated on a relative □not an a□solute□□asis. Relative elevation information □etween sites of close pro□imity should □e 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
[illegible]C[illegible]F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
[illegible]C[illegible]F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
[illegible]	[illegible] 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:	1.00 miles
Location Relative to T[illegible]	[illegible] Miles [illegible]
Site Name:	C[illegible] A[illegible]T [illegible]ATI[illegible]
Site [illegible]A I[illegible] Number:	CA[illegible]
Groundwater Flow Direction:	[illegible] A [illegible] CA[illegible] A[illegible].
Inferred Depth to Water:	[illegible] feet in the Pardena aquifer.
Hydraulic Connection:	A clay layer that is greater than [illegible] feet thick separates the Pardena aquifer from the ground surface.
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[illegible].[illegible] Mile.

[illegible]R has developed the A[illegible]UIF[illegible] Information System to provide data on the general direction of groundwater flow at specific points. [illegible]R 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	[illegible]CATI[illegible] FROM TO	[illegible]RA[illegible]IR[illegible]CTI[illegible] [illegible]R[illegible]U[illegible] AT[illegible]R F[illegible]
Not Reported		

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:	*(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.B. 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:	> 60 inches
Depth to Bedrock Max:	> 60 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	9 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
- sandy loam
- gravelly sandy loam
- silt loam
- clay
- fine sand
- gravelly sand
- sand
- fine sandy loam

Surficial Soil Types
- sandy loam
- gravelly sandy loam
- silt loam
- clay
- fine sand
- gravelly sand
- sand
- fine sandy loam

Shallow Soil Types
- fine sandy loam
- gravelly loam
- sandy clay
- sandy clay loam
- clay
- silty clay
- sand

Deeper Soil Types
- gravelly sandy loam
- sandy loam
- very gravelly sandy loam
- stratified
- very fine sandy loam
- weathered bedrock
- sand
- gravelly fine sandy loam
- silty clay loam
- clay loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

□□R □ocal□Regional □ ater 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 a□out the impact of contaminant migration on near□y drinking water wells.

WELL SEARCH DISTANCE INFORMATION

□ATA□A□□	□□ARCH □I□TA□ C□ □miles□
Federal U□□ □	□.□□□
Federal FR□□ □□ □	□earest □□ □ within □ mile
□tate □ata□ase	□.□□□

FEDERAL USGS WELL INFORMATION

MA□ I□	□ □□□ I□	□□ CATI□ □ FR□M T□
□	U□□ □□□□□□□□□□□□□	□□□ □□ Mile □□□
□	U□□ □□□□□□□□□□□□□	□□□ □□ Mile □□□
□	U□□ □□□□□□□□□□□□□	□□□ □□ Mile □ast

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MA□ I□	□ □□□ I□	□□ CATI□ □ FR□M T□

□o □□ □ □ystem Found

□ote□□□ □ □ystem location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MA□ I□	□ □□□ I□	□□ CATI□ □ FR□M T□

□o □ ells Found

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MA□ I□	□ □□□ I□	□□ CATI□ □ FR□M T□
□	CA□ □ □□□□□□□□□□□□□	□ □□□□ Mile □ast
□	CA□ □ □□□□□□□□□□□□□	□ □□□□ Mile □ est
A□	CA□ □ □□□□□□□□□□□□□	□□□ □□□□ Mile □ □□
A□	CA□ □ □□□□□□□□□□□□□	□□□ □□□□ Mile □ □□
□□	CA□ □ □□□□□□□□□□□□□	□□□ □□□□ Mile □□
□	CA□ □ □□□□□□□□□□□□□	□□□ □□□□ Mile □ est
□□	CA□ □ □□□□□□□□□□□□□	□□□ □□□□ Mile □□
□□	CA□ □ □□□□□□□□□□□□□	□□□ □□□□ Mile □□
□	CA□ □ □□□□□□□□□□□□□	□□□ □□□□ Mile □□□
□□	CA□ □ □□□□□□□□□□□□□	□□□ □□□□ Mile □ est
C□□	CA□ □ □□□□□□□□□□□□□	□□□ □□□□ Mile □ □□
C□□	CA□ □ □□□□□□□□□□□□□	□□□ □□□□ Mile □ □□

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MA□ I□	□ □□□ I□	□□ CATI□ □ FR□ M T□
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□□□ Mile □ est
C□□	CA□ □ □□□□□□□□□□□□	□□□ □□□□ Mile □ □□
C□□	CA□ □ □□□□□□□□□□□□	□□□ □□□□ Mile □ □□
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□□□ Mile □□
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□□□ Mile □ est
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□□□ Mile □□
□□	CA□ □ □□□□□□□□□□□□	□□□ □□□□ Mile □□□
C□□	CA□ □ □□□□□□□□□□□□	□□□ □□□□ Mile □ □□
F□□	CA□ □ □□□□□□□□□□□□	□□□ □□□□ Mile □ □□
F□□	CA□ □ □□□□□□□□□□□□	□□□ □□□□ Mile □ □□
□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ast
□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
F□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
F□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □□
F□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□ □□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□ □□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
□ □□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□ □□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
H□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
□ □□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
□ □□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□ □□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
I□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □outh
□ □□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
H□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
I□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
I□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
I□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
I□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
I□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
M□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □□
I□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
M□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □□
M□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □□
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
□ □□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
M□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □□
□ □□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□ □□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MA I	CA	CATI FR M T
	CA	Mile est
	CA	Mile
	CA	Mile
	CA	Mile est
	CA	Mile
	CA	Mile outh
M	CA	Mile
	CA	Mile est
	CA	Mile
	CA	Mile est
	CA	Mile est
	CA	Mile est
	CA	Mile est
	CA	Mile est
	CA	Mile est
	CA	Mile
	CA	Mile est
	CA	Mile est
	CA	Mile est
	CA	Mile
R	CA	Mile
	CA	Mile
	CA	Mile
	CA	Mile
T	CA	Mile
U	CA	Mile
U	CA	Mile
R	CA	Mile
R	CA	Mile
	CA	Mile
	CA	Mile
	CA	Mile est
	CA	Mile est
	CA	Mile est
	CA	Mile
	CA	Mile est
	CA	Mile est
	CA	Mile est
	CA	Mile
	CA	Mile est
	CA	Mile est
T	CA	Mile est
	CA	Mile est
	CA	Mile
	CA	Mile
	CA	Mile est
	CA	Mile
	CA	Mile
T	CA	Mile est
T	CA	Mile
U	CA	Mile
	CA	Mile est
AA	CA	Mile
	CA	Mile est
A	CA	Mile est

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MA□ I□	□ □□□ I□	□□ CATI□ □ FR□ M T□
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □□□
AC□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □□
AA□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □□
□□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □□□
□ □□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
□□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
A□ □□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □□
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
AA□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □□
□□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □□□
A□ □□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □□□
A□ □□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
A□ □□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
A□ □□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
AF□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □□
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
A□ □□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
AC□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □□□
A□ □□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
□□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
A□ □□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
AH□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
A□ □□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
A□ □□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
A□ □□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □□□
A□ □□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
A□ □□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
AI□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
AF□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □□
AI□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □□
□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
A□□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
AI□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est
AH□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ □□
A□□□□	CA□ □ □□□□□□□□□□□□	□□□ □□ Mile □ est

PHYSICAL SETTING SOURCE MAP - 6132121.2s

- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Green Dot Public School	CLIENT:	Alta Environmental
ADDRESS:	900 Rosecrans Compton CA 90220	CONTACT:	Alondra Villanueva
LAT/LONG:	33.902058 / 118.260185	INQUIRY #:	6132121.2s
		DATE:	July 23, 2020 5:56 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map I□
□irection
□istance
□levation | □ata□ase | □□R I□ □um□er

1
ESE **FED USGS** **USGS40000138860**
1/2 - 1 Mile
Lower

□rgani□ation I□□	U□□□□CA		
□rgani□ation □ame□	U□□□ California □ ater □cience Center		
Monitor □ocation□	□□□□□□□□ □□C□□□□	Type□	□ ell
□escription□	□ot Reported	HUC□	□□□□□□□□
□rainage Area□	□ot Reported	□rainage Area Units□	□ot Reported
Contri□ □rainage Area□	□ot Reported	Contri□ □rainage Area Unts□	□ot Reported
A□uifer□	California Coastal □asin a□uifers		
Formation Type□	□ot Reported	A□uifer Type□	□ot Reported
Construction □ate□	□ot Reported	□ ell □epth□	□□□
□ ell □epth Units□	ft	□ ell Hole □epth□	□□□
□ ell Hole □epth Units□	ft		

2
ENE **FED USGS** **USGS40000138909**
1/2 - 1 Mile
Lower

□rgani□ation I□□	U□□□□CA		
□rgani□ation □ame□	U□□□ California □ ater □cience Center		
Monitor □ocation□	□□□□□□□□ □□□□□□□□	Type□	□ ell
□escription□	□ot Reported	HUC□	□□□□□□□□
□rainage Area□	□ot Reported	□rainage Area Units□	□ot Reported
Contri□ □rainage Area□	□ot Reported	Contri□ □rainage Area Unts□	□ot Reported
A□uifer□	California Coastal □asin a□uifers		
Formation Type□	□ot Reported	A□uifer Type□	□ot Reported
Construction □ate□	□ot Reported	□ ell □epth□	□□□
□ ell □epth Units□	ft	□ ell Hole □epth□	□□□
□ ell Hole □epth Units□	ft		

3
East **FED USGS** **USGS40000138863**
1/2 - 1 Mile
Lower

□rgani□ation I□□	U□□□□CA		
□rgani□ation □ame□	U□□□ California □ ater □cience Center		
Monitor □ocation□	□□□□□□□□ □□□□□□□□	Type□	□ ell
□escription□	□ot Reported	HUC□	□□□□□□□□
□rainage Area□	□ot Reported	□rainage Area Units□	□ot Reported
Contri□ □rainage Area□	□ot Reported	Contri□ □rainage Area Unts□	□ot Reported
A□uifer□	California Coastal □asin a□uifers		
Formation Type□	□ot Reported	A□uifer Type□	□ot Reported
Construction □ate□	□□□□□□□□	□ ell □epth□	□□□
□ ell □epth Units□	ft	□ ell Hole □epth□	□□□
□ ell Hole □epth Units□	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map I□
□irection
□istance

□ata□ase □□R I□ □um□er

1
East **OIL_GAS** **CAOG13000005851**
0 - 1/8 Mile

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□H
□perator □ame□	□ illiam □ . Moreland	□ease □ame□	Moreland
Field □ame□	Any Field	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

2
West **OIL_GAS** **CAOG13000005231**
0 - 1/8 Mile

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	Idle	□ ell Type□	□□
□perator □ame□	Chevron U.□.A. Inc.	□ease □ame□	□agg
Field □ame□	Any Field	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

A3
WSW **OIL_GAS** **CAOG13000203267**
1/4 - 1/2 Mile

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□□ □□ploration U.□.A. Inc.		
□ease □ame□	Rowell	Field □ame□	Rosecrans, □ast
Area □ame□	Any Area	□I□ □ource□	hud
Confidential □ ell□	□	□irectionally □rilled□	□
□□U□ □ate□	□ot Reported		

A4
WSW **OIL_GAS** **CAOG13000202957**
1/4 - 1/2 Mile

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	Atlantic □il Company	□ease □ame□	Cannon
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

Map I
irection
istance — ata ase — R I um er

B5
SW
1/4 - 1/2 Mile
OIL_GAS **CAOG13000203271**

A I #:	0403723620	ell #:	SS-20
ell tatus:	lugged	ell Type:	OG
perator ame:	California Resources ong each, Inc.		
ease ame:	ease y California Resources ong each, Inc.		
Field ame:	Rosecrans, ast	Area ame:	Any Area
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

6
West
1/4 - 1/2 Mile
OIL_GAS **CAOG13000203239**

A I #:	0403714538	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	etro- ewis Corp.	ease ame:	Hursey
Field ame:	Rosecrans	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

B7
SW
1/4 - 1/2 Mile
OIL_GAS **CAOG13000203269**

A I #:	0403715040	ell #:	SJ-01
ell tatus:	lugged	ell Type:	OG
perator ame:	California Resources ong each, Inc.		
ease ame:	ease y California Resources ong each, Inc.		
Field ame:	Rosecrans, ast	Area ame:	Any Area
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	Y	SPUD ate:	ot Reported

B8
SW
1/4 - 1/2 Mile
OIL_GAS **CAOG13000203268**

A I #:	0403715039	ell #:	SBU-1
ell tatus:	lugged	ell Type:	OG
perator ame:	California Resources ong each, Inc.		
ease ame:	ease y California Resources ong each, Inc.		
Field ame:	Rosecrans, ast	Area ame:	Any Area
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map I□
□irection
□istance

□ata□ase □□R I□ □um□er

9
SSE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000005503**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□H
□perator □ame□	□and□urg □etro. Co.	□ease □ame□	□ease □y □and□urg □etro. Co.
Field □ame□	Any Field	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

10
West
1/4 - 1/2 Mile

OIL_GAS **CAOG13000202948**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□ estoil Corp.	□ease □ame□	Marland□Miley
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

C11
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000203080**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□acific □etro. Corp.	□ease □ame□	□ease □y □acific □etro. Corp.
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

C12
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000203074**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□mith International, Inc.	□ease □ame□	□urson
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map I□
□irection
□istance — □ata□ase — □□R I□ □um□er

D13
West
1/4 - 1/2 Mile

OIL_GAS **CAOG13000202985**

A□I #:	0403713583	□ ell #:	3
□ ell □tatus:	Idle	□ ell Type:	OG
□perator □ame:	Cypress □etroleum Co. of California		
□ease □ame:	Marland-▯iley	Field □ame:	Rosecrans
Area □ame:	Any Area	G IS □ource:	hud
Confidential □ ell:	N	□irectionally □rilled:	N
SPUD □ate:	□ot Reported		

C14
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000203075**

A□I #:	0403714373	□ ell #:	2
□ ell □tatus:	□lugged	□ ell Type:	OG
□perator □ame:	□mith International, Inc.	□ease □ame:	□urson
Field □ame:	Rosecrans	Area □ame:	Any Area
G IS □ource:	hud	Confidential □ ell:	N
□irectionally □rilled:	N	SPUD □ate:	□ot Reported

C15
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000202964**

A□I #:	0403713561	□ ell #:	1
□ ell □tatus:	□lugged	□ ell Type:	OG
□perator □ame:	Terra □□ploration & □roduction Co., Inc.		
□ease □ame:	□ishima	Field □ame:	Rosecrans
Area □ame:	Main	G IS □ource:	GPS
Confidential □ ell:	N	□irectionally □rilled:	N
SPUD □ate:	□ot Reported		

E16
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000202955**

A□I #:	0403713551	□ ell #:	1
□ ell □tatus:	□lugged	□ ell Type:	OG
□perator □ame:	Reu□en Agran, Trustee	□ease □ame:	□ atson
Field □ame:	Rosecrans	Area □ame:	Any Area
G IS □ource:	hud	Confidential □ ell:	N
□irectionally □rilled:	N	SPUD □ate:	□ot Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map I□
□irection
□istance

□ata□ase □□R I□ □um□er

D17
West
1/4 - 1/2 Mile

OIL_GAS **CAOG13000202956**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	Atlantic □il Company	□ease □ame□	□oren
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

E18
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000203076**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□ . □. □icolai □ □on	□ease □ame□	□mith
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

19
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000203270**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	Royalty □ervice Corp., □td.		
□ease □ame□	Compton	Field □ame□	Rosecrans, □ast
Area □ame□	Any Area	□I□ □ource□	hud
Confidential □ ell□	□	□irectionally □rilled□	□
□□U□ □ate□	□ot Reported		

C20
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000202888**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	Atlantic □il Company	□ease □ame□	Anderson
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map I□
□irection
□istance

□ata□ase □□R I□ □um□er

F21
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000202974**

A□I □□	□□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□□ □□ploration U.□.A. Inc.		
□ease □ame□	□ alsh	Field □ame□	Rosecrans
Area □ame□	Any Area	□I□ □ource□	hud
Confidential □ ell□	□	□irectionally □rilled□	□
□□U□ □ate□	□ot Reported		

F22
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000203038**

A□I □□	□□□□□□□□□□□	□ ell □□	□□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□yman Investment Co.	□ease □ame□	Marine
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

23
East
1/2 - 1 Mile

OIL_GAS **CAOG13000005203**

A□I □□	□□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□H
□perator □ame□	Federal □il Co. of Cal	□ease □ame□	□arnes
Field □ame□	Any Field	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

24
West
1/2 - 1 Mile

OIL_GAS **CAOG13000202944**

A□I □□	□□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□etro□□ewis Corp.	□ease □ame□	□ins
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map I□
□irection
□istance

□ata□ase □□R I□ □um□er

F25
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203117**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	Ronald C. □mith and Assoc.		
□ease □ame□	□olson	Field □ame□	Rosecrans
Area □ame□	Any Area	□I□ □ource□	hud
Confidential □ ell□	□	□irectionally □rilled□	□
□□U□ □ate□	□ot Reported		

F26
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000202962**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	Atlantic □il Company	□ease □ame□	□□eter
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

27
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000202966**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	Atlantic □il Company	□ease □ame□	□ ilco□
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

F28
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000202959**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	Atlantic □il Company	□ease □ame□	Col□y
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map I□
□irection
□istance

□ata□ase □□R I□ □um□er

G29
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203007**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□oodknight, □ass □ □arner	□ease □ame□	□arner
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

G30
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203052**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	Atlantic □il Company	□ease □ame□	Miley
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

G31
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000202973**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	Arco □ estern □nergy Co.	□ease □ame□	Rosecrans
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

G32
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203055**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	Idle	□ ell Type□	□□
□perator □ame□	Mars □il Co.	□ease □ame□	□ease □y Mars □il Co.
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map I□
□irection
□istance

□ata□ase □□R I□ □um□er

H33
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203248**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□un □□ploration □ □roduction Co.		
□ease □ame□	Rosecrans	Field □ame□	Rosecrans
Area □ame□	Any Area	□I□ □ource□	hud
Confidential □ ell□	□	□irectionally □rilled□	□
□□U□ □ate□	□ot Reported		

G34
West
1/2 - 1 Mile

OIL_GAS **CAOG13000202965**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	Atlantic □il Company	□ease □ame□	Miley
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

G35
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000202988**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□elaney □etroleum Corp.	□ease □ame□	Mars
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

G36
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000202963**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	Atlantic □il Company	□ease □ame□	□□eter
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map I□
□irection
□istance

□ata□ase □□R I□ □um□er

I37
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000202960**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	Atlantic □il Company	□ease □ame□	Col□y
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

38
South
1/2 - 1 Mile

OIL_GAS **CAOG13000005542**

A□I □□	□□□□□□□□□□	□ ell □□	□□□
□ ell □tatus□	□lugged	□ ell Type□	□H
□perator □ame□	□hell □ estern □□□ Inc.	□ease □ame□	Mckinley
Field □ame□	Any Field	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

G39
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000202961**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	Atlantic □il Company	□ease □ame□	□□eter
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

H40
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203244**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□un □□ploration □ □roduction Co.		
□ease □ame□	Rosecrans	Field □ame□	Rosecrans
Area □ame□	Any Area	□I□ □ource□	hud
Confidential □ ell□	□	□irectionally □rilled□	□
□□U□ □ate□	□ot Reported		

Map I
irection
istance — ata ase — R I umber

I41
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000202958**

A I #:	0403713555	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	Atlantic il Company	ease ame:	Col y
Field ame:	Rosecrans	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

I42
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203188**

A I #:	0403714487	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	Mo il il ploration & roduction orth America, Inc.		
ease ame:	eaver	Field ame:	Rosecrans
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

J43
West
1/2 - 1 Mile

OIL_GAS **CAOG13000202901**

A I #:	0403714988	ell #:	3
ell tatus:	Active	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	adelford
Field ame:	Rosecrans	Area ame:	Main
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

I44
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203181**

A I #:	0403714479	ell #:	5
ell tatus:	lugged	ell Type:	OG
perator ame:	Mo il il ploration & roduction orth America, Inc.		
ease ame:	Ma well Community	Field ame:	Rosecrans
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map I□
□irection
□istance

□ata□ase □□R I□ □um□er

K45
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203129**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□un □□ploration □ □roduction Co.		
□ease □ame□	Higgins	Field □ame□	Rosecrans
Area □ame□	Any Area	□I□ □ource□	hud
Confidential □ ell□	□	□irectionally □rilled□	□
□□U□ □ate□	□ot Reported		

46
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203061**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	Midfield Corp.	□ease □ame□	Murdock
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

I47
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203168**

A□I □□	□□□□□□□□□□	□ ell □□	□□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	Crown Central □etro. Corp.		
□ease □ame□	Marine	Field □ame□	Rosecrans
Area □ame□	Any Area	□I□ □ource□	hud
Confidential □ ell□	□	□irectionally □rilled□	□
□□U□ □ate□	□ot Reported		

K48
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203179**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	Mo□il □il □□ploration □ □roduction □orth America, Inc.		
□ease □ame□	Ma□well Community	Field □ame□	Rosecrans
Area □ame□	Any Area	□I□ □ource□	hud
Confidential □ ell□	□	□irectionally □rilled□	□
□□U□ □ate□	□ot Reported		

Map I
irection
istance | ata ase | R I umber

J49
West
1/2 - 1 Mile

OIL_GAS **CAOG13000202903**

A I #:	0403714990	ell #:	5
ell tatus:	Idle	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	adelford
Field ame:	Rosecrans	Area ame:	Main
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

J50
West
1/2 - 1 Mile

OIL_GAS **CAOG13000202899**

A I #:	0403714986	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	etro- ewis Corp.	ease ame:	adelford
Field ame:	Rosecrans	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

J51
West
1/2 - 1 Mile

OIL_GAS **CAOG13000202902**

A I #:	0403714989	ell #:	4
ell tatus:	Active	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	adelford
Field ame:	Rosecrans	Area ame:	Main
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

I52
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203182**

A I #:	0403714480	ell #:	7
ell tatus:	lugged	ell Type:	OG
perator ame:	Mo il il ploration & roduction orth America, Inc.		
ease ame:	Ma well Community	Field ame:	Rosecrans
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

Map I
irection
istance

ata ase R I umber

L53
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203245**

A I #:	0403714655	ell #:	5
ell tatus:	lugged	ell Type:	OG
perator ame:	un ploration & roduction Co.		
ease ame:	Rosecrans	Field ame:	Rosecrans
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

M54
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000203081**

A I #:	0403714379	ell #:	2
ell tatus:	lugged	ell Type:	OG
perator ame:	W . S. ayne, r., per.	ease ame:	Murdock
Field ame:	Rosecrans	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

I55
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203115**

A I #:	0403714413	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	hillips etroleum Co.	ease ame:	irby
Field ame:	Rosecrans	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

J56
West
1/2 - 1 Mile

OIL_GAS **CAOG13000202900**

A I #:	0403714987	ell #:	2
ell tatus:	Idle	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	adelford
Field ame:	Rosecrans	Area ame:	Main
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

Map I
irection
istance — ata ase — R I umber

K57
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203130**

A I #:	0403714428	ell #:	3
ell tatus:	lugged	ell Type:	OG
perator ame:	un ploration & roduction Co.		
ease ame:	Higgins	Field ame:	Rosecrans
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

K58
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203241**

A I #:	0403714651	ell #:	2
ell tatus:	lugged	ell Type:	OG
perator ame:	un ploration & roduction Co.		
ease ame:	Rosecrans	Field ame:	Rosecrans
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

M59
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000203280**

A I #:	0403714554	ell #:	2
ell tatus:	lugged	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	ierce
Field ame:	Rosecrans, outh	Area ame:	Any Area
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

M60
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000202982**

A I #:	0403713580	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	Chicago il Co.	ease ame:	Founders
Field ame:	Rosecrans	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map I□
□irection
□istance

□ata□ase □□R I□ □um□er

L61
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203246**

A□I #:	0403714656	□ ell #:	5□A
□ ell □tatus:	Active	□ ell Type:	OG
□perator □ame:	□reit□urn □perating LP	□ease □ame:	Rosecrans A
Field □ame:	Rosecrans	Area □ame:	Main
G IS □ource:	GPS	Confidential □ ell:	N
□irectionally □rilled:	N	SPUD □ate:	□ot Reported

K62
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203254**

A□I #:	0403714664	□ ell #:	13
□ ell □tatus:	□lugged	□ ell Type:	OG
□perator □ame:	□acific Coast □nergy Company LP		
□ease □ame:	Rosecrans A	Field □ame:	Rosecrans
Area □ame:	Main	G IS □ource:	hud
Confidential □ ell:	N	□irectionally □rilled:	Y
SPUD □ate:	□ot Reported		

N63
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203165**

A□I #:	0403714463	□ ell #:	32
□ ell □tatus:	□lugged	□ ell Type:	OG
□perator □ame:	Crown Central □etro. Corp.		
□ease □ame:	Marine	Field □ame:	Rosecrans
Area □ame:	Any Area	G IS □ource:	hud
Confidential □ ell:	N	□irectionally □rilled:	N
SPUD □ate:	□ot Reported		

L64
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203255**

A□I #:	0403714665	□ ell #:	14
□ ell □tatus:	□lugged	□ ell Type:	OG
□perator □ame:	□acific Coast □nergy Company LP		
□ease □ame:	Rosecrans A	Field □ame:	Rosecrans
Area □ame:	Main	G IS □ource:	hud
Confidential □ ell:	N	□irectionally □rilled:	N
SPUD □ate:	□ot Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map I□
□irection
□istance

□ata□ase □□R I□ □um□er

M65
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000203289**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	Mission □il Corp.	□ease □ame□	□ierce
Field □ame□	Rosecrans, □outh	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

O66
WNW
1/2 - 1 Mile

OIL_GAS **CAOG13000203189**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□ illiam Harrison Taylor, Trustee		
□ease □ame□	□ease □y □ illiam Harrison Taylor, Trustee		
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

K67
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203131**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□un □□ploration □ □roduction Co.		
□ease □ame□	Higgins	Field □ame□	Rosecrans
Area □ame□	Any Area	□I□ □ource□	hud
Confidential □ ell□	□	□irectionally □rilled□	□
□□U□ □ate□	□ot Reported		

N68
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203185**

A□I □□	□□□□□□□□□□	□ ell □□	□□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	Mo□il □il □□ploration □ □roduction □orth America, Inc.		
□ease □ame□	Ma□well Community	Field □ame□	Rosecrans
Area □ame□	Any Area	□I□ □ource□	hud
Confidential □ ell□	□	□irectionally □rilled□	□
□□U□ □ate□	□ot Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map I□
□irection
□istance

□ata□ase □□R I□ □um□er

P69
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203247**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□un □□ploration □ □roduction Co.		
□ease □ame□	Rosecrans	Field □ame□	Rosecrans
Area □ame□	Any Area	□I□ □ource□	hud
Confidential □ ell□	□	□irectionally □rilled□	□
□□U□ □ate□	□ot Reported		

N70
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000202992**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□mmons □ □mmons	□ease □ame□	Rosecrans
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

P71
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203128**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□un □□ploration □ □roduction Co.		
□ease □ame□	Higgins	Field □ame□	Rosecrans
Area □ame□	Any Area	□I□ □ource□	hud
Confidential □ ell□	□	□irectionally □rilled□	□
□□U□ □ate□	□ot Reported		

P72
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203252**

A□I □□	□□□□□□□□□□	□ ell □□	□□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□un □□ploration □ □roduction Co.		
□ease □ame□	Rosecrans	Field □ame□	Rosecrans
Area □ame□	Any Area	□I□ □ource□	hud
Confidential □ ell□	□	□irectionally □rilled□	□
□□U□ □ate□	□ot Reported		

Map I
irection
istance — ata ase — R I um er

N73
WSW
1/2 - 1 Mile — **OIL_GAS** — **CAOG13000203116**

A I #:	0403714414	ell #:	2
ell tatus:	lugged	ell Type:	OG
perator ame:	hillips etroleum Co.	ease ame:	irby
Field ame:	Rosecrans	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

74
South
1/2 - 1 Mile — **OIL_GAS** — **CAOG13000005437**

A I #:	0403705736	ell #:	1
ell tatus:	lugged	ell Type:	H
perator ame:	ccidental etroleum Corporation		
ease ame:	Mckinley	Field ame:	Any Field
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

M75
SW
1/2 - 1 Mile — **OIL_GAS** — **CAOG13000203279**

A I #:	0403714553	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	arsen
Field ame:	Rosecrans, outh	Area ame:	Any Area
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

L76
West
1/2 - 1 Mile — **OIL_GAS** — **CAOG13000203243**

A I #:	0403714653	ell #:	3A
ell tatus:	lugged	ell Type:	OG
perator ame:	un ploration & roduction Co.		
ease ame:	Rosecrans	Field ame:	Rosecrans
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

Map I
irection
istance

ata ase R I um er

N77
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000202945**

A I #:	0403715032	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	url G. arner	ease ame:	radford
Field ame:	Rosecrans	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

Q78
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203202**

A I #:	0403714501	ell #:	1
ell tatus:	Active	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	Chandler
Field ame:	Rosecrans	Area ame:	Main
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

P79
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203251**

A I #:	0403714661	ell #:	10
ell tatus:	lugged	ell Type:	OG
perator ame:	un ploration & roduction Co.		
ease ame:	Rosecrans	Field ame:	Rosecrans
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

Q80
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203196**

A I #:	0403714495	ell #:	4
ell tatus:	Active	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	Chandler
Field ame:	Rosecrans	Area ame:	Main
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map I□
□irection
□istance

□ata□ase □□R I□ □um□er

Q81
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203242**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□un □□ploration □ □roduction Co.		
□ease □ame□	Rosecrans	Field □ame□	Rosecrans
Area □ame□	Any Area	□I□ □ource□	hud
Confidential □ ell□	□	□irectionally □rilled□	□
□□U□ □ate□	□ot Reported		

Q82
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203194**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□etro□□ewis Corp.	□ease □ame□	Chandler
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

P83
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203152**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□un □□ploration □ □roduction Co.		
□ease □ame□	Rosecrans	Field □ame□	Rosecrans
Area □ame□	Any Area	□I□ □ource□	hud
Confidential □ ell□	□	□irectionally □rilled□	□
□□U□ □ate□	□ot Reported		

P84
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203177**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	Mo□il □il □□ploration □ □roduction □orth America, Inc.		
□ease □ame□	Ma□well Community	Field □ame□	Rosecrans
Area □ame□	Any Area	□I□ □ource□	hud
Confidential □ ell□	□	□irectionally □rilled□	□
□□U□ □ate□	□ot Reported		

Map I
irection
istance | ata ase | R I umber

P85
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203253**

A I #:	0403714663	ell #:	12
ell tatus:	lugged	ell Type:	OG
perator ame:	un ploration & roduction Co.		
ease ame:	Rosecrans	Field ame:	Rosecrans
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

P86
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203249**

A I #:	0403714659	ell #:	8
ell tatus:	lugged	ell Type:	OG
perator ame:	un ploration & roduction Co.		
ease ame:	Rosecrans	Field ame:	Rosecrans
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

Q87
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203195**

A I #:	0403714494	ell #:	3
ell tatus:	Idle	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	Chandler
Field ame:	Rosecrans	Area ame:	Main
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

88
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203304**

A I #:	0403714579	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	un ploration & roduction Co.		
ease ame:	anta Fe Corp.	Field ame:	Rosecrans, outh
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

Map I
irection
istance — ata ase — R I um er

P89
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203250**

A I #:	0403714660	ell #:	9
ell tatus:	lugged	ell Type:	OG
perator ame:	un ploration & roduction Co.		
ease ame:	Rosecrans	Field ame:	Rosecrans
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

R90
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000203281**

A I #:	0403714555	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	Reed
Field ame:	Rosecrans, outh	Area ame:	Any Area
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

91
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000203282**

A I #:	0403714556	ell #:	21
ell tatus:	Idle	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	Crawford
Field ame:	Rosecrans, outh	Area ame:	Any Area
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

O92
WNW
1/2 - 1 Mile

OIL_GAS **CAOG13000203040**

A I #:	0403713641	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	Macrate il Co.	ease ame:	ray
Field ame:	Rosecrans	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

Map I
irection
istance — ata ase — R I umber

S93
WSW
1/2 - 1 Mile — **OIL_GAS** — **CAOG13000203184**

A I #:	0403714482	ell #:	9
ell tatus:	lugged	ell Type:	OG
perator ame:	Mo il il ploration & roduction orth America, Inc.		
ease ame:	Ma well Community	Field ame:	Rosecrans
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

T94
WNW
1/2 - 1 Mile — **OIL_GAS** — **CAOG13000202951**

A I #:	0403710651	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	ohn u man Crane ervice, Inc.		
ease ame:	velyn	Field ame:	Rosecrans
Area ame:	Athens	G IS ource:	GPS
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

U95
WSW
1/2 - 1 Mile — **OIL_GAS** — **CAOG13000203180**

A I #:	0403714478	ell #:	4
ell tatus:	lugged	ell Type:	OG
perator ame:	Mo il il ploration & roduction orth America, Inc.		
ease ame:	Ma well Community	Field ame:	Rosecrans
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

U96
WSW
1/2 - 1 Mile — **OIL_GAS** — **CAOG13000203186**

A I #:	0403714484	ell #:	11
ell tatus:	lugged	ell Type:	OG
perator ame:	Mo il il ploration & roduction orth America, Inc.		
ease ame:	Ma well Community	Field ame:	Rosecrans
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

Map I
irection
istance — ata ase — R I um er

R97
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000203290**

A I #:	0403714564	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	R. F. akes, E. E. Com s, et al		
ease ame:	illis	Field ame:	Rosecrans, outh
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

R98
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000203277**

A I #:	0403714551	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	Crest etro. Co.	ease ame:	olf
Field ame:	Rosecrans, outh	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

V99
WNW
1/2 - 1 Mile

OIL_GAS **CAOG13000202895**

A I #:	0403714982	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	Chevron U. .A. Inc.	ease ame:	rockley
Field ame:	Rosecrans	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

S100
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203176**

A I #:	0403714474	ell #:	1
ell tatus:	Active	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	Callender
Field ame:	Rosecrans	Area ame:	Main
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map I□
□irection
□istance

□ata□ase □□R I□ □um□er

W101
West
1/2 - 1 Mile

OIL_GAS **CAOG13000202911**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□etro□□ewis Corp.	□ease □ame□	Rosecrans
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

W102
West
1/2 - 1 Mile

OIL_GAS **CAOG13000202905**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□etro□□ewis Corp.	□ease □ame□	Rosecrans
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

W103
West
1/2 - 1 Mile

OIL_GAS **CAOG13000202913**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	□etro□□ewis Corp.	□ease □ame□	Rosecrans
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

S104
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000202896**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□□
□perator □ame□	Chevron U.□.A. Inc.	□ease □ame□	Hoge
Field □ame□	Rosecrans	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

Map I
irection
istance — ataase — RI umer

W105
West
1/2 - 1 Mile — **OIL_GAS** — **CAOG13000202915**

AI #:	0403715002	ell #:	12
ell tatus:	lugged	ell Type:	OG
perator ame:	etro- ewis Corp.	ease ame:	Rosecrans
Field ame:	Rosecrans	Area ame:	Any Area
GIS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

Q106
West
1/2 - 1 Mile — **OIL_GAS** — **CAOG13000203135**

AI #:	0403714433	ell #:	3A
ell tatus:	Active	ell Type:	OG
perator ame:	reiturn perating LP	ease ame:	'ea
Field ame:	Rosecrans	Area ame:	Main
GIS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

W107
West
1/2 - 1 Mile — **OIL_GAS** — **CAOG13000202919**

AI #:	0403715006	ell #:	21
ell tatus:	lugged	ell Type:	OG
perator ame:	etro- ewis Corp.	ease ame:	Rosecrans
Field ame:	Rosecrans	Area ame:	Any Area
GIS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

X108
SSW
1/2 - 1 Mile — **OIL_GAS** — **CAOG13000203303**

AI #:	0403714578	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	Asioco Inc.	ease ame:	arling Community
Field ame:	Rosecrans, outh	Area ame:	Any Area
GIS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	08/05/1939

Map I
irection
istance — ata ase — R I um er

W109
West
1/2 - 1 Mile — **OIL_GAS** — **CAOG13000203134**

A I #:	0403714432	ell #:	3
ell tatus:	lugged	ell Type:	OG
perator ame:	un ploration & roduction Co.		
ease ame:	'dea	Field ame:	Rosecrans
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

S110
West
1/2 - 1 Mile — **OIL_GAS** — **CAOG13000202920**

A I #:	0403715007	ell #:	24
ell tatus:	Active	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	Rosecrans
Field ame:	Rosecrans	Area ame:	Main
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

T111
West
1/2 - 1 Mile — **OIL_GAS** — **CAOG13000203147**

A I #:	0403714445	ell #:	17
ell tatus:	Idle	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	'ea
Field ame:	Rosecrans	Area ame:	Main
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	06/21/1937

112
West
1/2 - 1 Mile — **OIL_GAS** — **CAOG13000203137**

A I #:	0403714435	ell #:	5
ell tatus:	Active	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	'ea
Field ame:	Rosecrans	Area ame:	Main
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

Map I□
□irection
□istance

□ata□ase □□R I□ □um□er

113
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000203316**

A□I #:	0403714591	□ ell #:	1
□ ell □tatus:	Active	□ ell Type:	OG
□perator □ame:	□reit□urn □perating LP	□ease □ame:	□ olfe
Field □ame:	Rosecrans, □outh	Area □ame:	Any Area
G IS □ource:	GPS	Confidential □ ell:	N
□irectionally □rilled:	N	SPUD □ate:	□ot Reported

S114
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203178**

A□I #:	0403714476	□ ell #:	2
□ ell □tatus:	□lugged	□ ell Type:	OG
□perator □ame:	Mo□il □il □□ploration & □roduction □orth America, Inc.		
□ease □ame:	Ma□well Community	Field □ame:	Rosecrans
Area □ame:	Any Area	G IS □ource:	hud
Confidential □ ell:	N	□irectionally □rilled:	N
SPUD □ate:	□ot Reported		

S115
West
1/2 - 1 Mile

OIL_GAS **CAOG13000202908**

A□I #:	0403714995	□ ell #:	4
□ ell □tatus:	□lugged	□ ell Type:	OG
□perator □ame:	□etro-]ewis Corp.	□ease □ame:	Rosecrans
Field □ame:	Rosecrans	Area □ame:	Any Area
G IS □ource:	hud	Confidential □ ell:	N
□irectionally □rilled:	N	SPUD □ate:	□ot Reported

Y116
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203301**

A□I #:	0403714575	□ ell #:	2
□ ell □tatus:	□lugged	□ ell Type:	OG
□perator □ame:	□cope Industries Inc.	□ease □ame:	□la□augh
Field □ame:	Rosecrans, □outh	Area □ame:	Any Area
G IS □ource:	hud	Confidential □ ell:	N
□irectionally □rilled:	N	SPUD □ate:	□ot Reported

Map I
irection
istance — ata ase — R I um er

S117
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203183**

A I #:	0403714481	ell #:	8
ell tatus:	lugged	ell Type:	OG
perator ame:	Mo il il ploration & roduction orth America, Inc.		
ease ame:	Ma well Community	Field ame:	Rosecrans
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

T118
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203145**

A I #:	0403714443	ell #:	15
ell tatus:	Active	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	' ea
Field ame:	Rosecrans	Area ame:	Main
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

T119
WNW
1/2 - 1 Mile

OIL_GAS **CAOG13000203133**

A I #:	0403714431	ell #:	2
ell tatus:	Active	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	' ea
Field ame:	Rosecrans	Area ame:	Main
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

U120
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203187**

A I #:	0403714485	ell #:	12
ell tatus:	lugged	ell Type:	OG
perator ame:	Mo il il ploration & roduction orth America, Inc.		
ease ame:	Ma well Community	Field ame:	Rosecrans
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map I□
□irection
□istance

□ata□ase □□R I□ □um□er

Z121
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203150**

A□I #:	0403714448	□ ell #:	20
□ ell □tatus:	Active	□ ell Type:	OG
□perator □ame:	□reit□urn □perating LP	□ease □ame:	□'□ea
Field □ame:	Rosecrans	Area □ame:	Main
G IS □ource:	GPS	Confidential □ ell:	N
□irectionally □rilled:	N	SPUD □ate:	□ot Reported

AA122
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000203319**

A□I #:	0403706481	□ ell #:	1
□ ell □tatus:	Active	□ ell Type:	OG
□perator □ame:	□ower Run □il, LLC	□ease □ame:	□rownstein
Field □ame:	Rosecrans, □outh	Area □ame:	Any Area
G IS □ource:	GPS	Confidential □ ell:	N
□irectionally □rilled:	N	SPUD □ate:	□ot Reported

W123
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203113**

A□I #:	0403714411	□ ell #:	1
□ ell □tatus:	□lugged	□ ell Type:	OG
□perator □ame:	□hell □ estern E&P Inc.	□ease □ame:	Rosecrans
Field □ame:	Rosecrans	Area □ame:	Any Area
G IS □ource:	hud	Confidential □ ell:	N
□irectionally □rilled:	N	SPUD □ate:	□ot Reported

AB124
West
1/2 - 1 Mile

OIL_GAS **CAOG13000202925**

A□I #:	0403715012	□ ell #:	32
□ ell □tatus:	Active	□ ell Type:	OG
□perator □ame:	□reit□urn □perating LP	□ease □ame:	Rosecrans
Field □ame:	Rosecrans	Area □ame:	Main
G IS □ource:	GPS	Confidential □ ell:	N
□irectionally □rilled:	N	SPUD □ate:	□ot Reported

Map I
irection
istance — ata ase — R I um er

125
NNE
1/2 - 1 Mile — **OIL_GAS** — **CAOG13000005854**

A I #:	0403710668	ell #:	1
ell tatus:	lugged	ell Type:	CH
perator ame:	Ape ev. Corp.	ease ame:	Core Hole
Field ame:	Any Field	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

AC126
NW
1/2 - 1 Mile — **OIL_GAS** — **CAOG13000005588**

A I #:	0403705960	ell #:	1
ell tatus:	lugged	ell Type:	H
perator ame:	Chevron U. .A. Inc.	ease ame:	Cowan
Field ame:	Any Field	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

AA127
SW
1/2 - 1 Mile — **OIL_GAS** — **CAOG13000203276**

A I #:	0403715046	ell #:	2
ell tatus:	lugged	ell Type:	OG
perator ame:	elmont il Co.	ease ame:	H. O.
Field ame:	Rosecrans, outh	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

X128
SSW
1/2 - 1 Mile — **OIL_GAS** — **CAOG13000203295**

A I #:	0403714569	ell #:	2
ell tatus:	Active	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	Riverside
Field ame:	Rosecrans, outh	Area ame:	Any Area
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

Map I
irection
istance — ata ase — R I um er

W129
West
1/2 - 1 Mile

OIL_GAS **CAOG13000202914**

A I #:	0403715001	ell #:	10
ell tatus:	lugged	ell Type:	OG
perator ame:	etro- ewis Corp.	ease ame:	Rosecrans
Field ame:	Rosecrans	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

V130
WNW
1/2 - 1 Mile

OIL_GAS **CAOG13000203136**

A I #:	0403714434	ell #:	4
ell tatus:	lugged	ell Type:	OG
perator ame:	un ploration & roduction Co.		
ease ame:	'dea	Field ame:	Rosecrans
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

AD131
WNW
1/2 - 1 Mile

OIL_GAS **CAOG13000202873**

A I #:	0403700090	ell #:	22
ell tatus:	Idle	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	' ea
Field ame:	Rosecrans	Area ame:	Main
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	08/29/1963

Y132
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000203275**

A I #:	0403715045	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	elmont il Co.	ease ame:	Averill
Field ame:	Rosecrans, outh	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map I□
□irection
□istance

□ata□ase □□R I□ □um□er

133
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203297**

A□I □□	□□□□□□□□□□	□ ell □□	□□
□ ell □tatus□	□lugged	□ ell Type□	□ □
□perator □ame□	□cope Industries	□ease □ame□	Ma□ell Comm.
Field □ame□	Rosecrans, □outh	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

AA134
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000203305**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□ □
□perator □ame□	Fred□□ite □locks, Inc.	□ease □ame□	Frederick's □lack □old
Field □ame□	Rosecrans, □outh	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

Y135
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203300**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□ □
□perator □ame□	□cope Industries Inc.	□ease □ame□	□la□augh
Field □ame□	Rosecrans, □outh	Area □ame□	Any Area
□I□ □ource□	hud	Confidential □ ell□	□
□irectionally □rilled□	□	□□U□ □ate□	□ot Reported

136
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000005677**

A□I □□	□□□□□□□□□□	□ ell □□	□
□ ell □tatus□	□lugged	□ ell Type□	□H
□perator □ame□	Union □il Company of California		
□ease □ame□	□ellogg	Field □ame□	Any Field
Area □ame□	Any Area	□I□ □ource□	hud
Confidential □ ell□	□	□irectionally □rilled□	□
□□U□ □ate□	□ot Reported		

Map I
irection
istance — ata ase — R I um er

AE137
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000202993**

A I #:	0403713591	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	F. E. Fairfield	ease ame:	A el
Field ame:	Rosecrans	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

X138
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203294**

A I #:	0403714568	ell #:	1
ell tatus:	Active	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	Riverside
Field ame:	Rosecrans, outh	Area ame:	Any Area
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

AB139
West
1/2 - 1 Mile

OIL_GAS **CAOG13000202921**

A I #:	0403715008	ell #:	25
ell tatus:	lugged	ell Type:	OG
perator ame:	acific Coast nergy Company LP		
ease ame:	Rosecrans	Field ame:	Rosecrans
Area ame:	Main	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

AB140
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000202923**

A I #:	0403715010	ell #:	30
ell tatus:	lugged	ell Type:	OG
perator ame:	etro- ewis Corp.	ease ame:	Rosecrans
Field ame:	Rosecrans	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

Map I□
□irection
□istance

□ata□ase □□R I□ □um□er

Z141
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203138**

A□I #:	0403714436	□ ell #:	6
□ ell □tatus:	□lugged	□ ell Type:	OG
□perator □ame:	Ro□ert W . □hull Co. □roperty Mgmnt.		
□ease □ame:	□'dea	Field □ame:	Rosecrans
Area □ame:	Main	G IS □ource:	hud
Confidential □ ell:	N	□irectionally □rilled:	N
SPU□ □ate:	□ot Reported		

AE142
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203077**

A□I #:	0403714375	□ ell #:	46
□ ell □tatus:	□lugged	□ ell Type:	OG
□perator □ame:	□'□onnell □il, LLC	□ease □ame:	□ease □y □'□onnell □il, LLC
Field □ame:	Rosecrans	Area □ame:	Any Area
G IS □ource:	hud	Confidential □ ell:	N
□irectionally □rilled:	N	SPU□ □ate:	□ot Reported

AF143
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000203315**

A□I #:	0403714590	□ ell #:	1
□ ell □tatus:	Active	□ ell Type:	OG
□perator □ame:	□reit□urn □perating LP	□ease □ame:	□aufman
Field □ame:	Rosecrans, □outh	Area □ame:	Any Area
G IS □ource:	GPS	Confidential □ ell:	N
□irectionally □rilled:	N	SPU□ □ate:	□ot Reported

144
WNW
1/2 - 1 Mile

OIL_GAS **CAOG13000005290**

A□I #:	0403705533	□ ell #:	9
□ ell □tatus:	Idle	□ ell Type:	OG
□perator □ame:	C. C. □ulian	□ease □ame:	□ulian
Field □ame:	Any Field	Area □ame:	Any Area
G IS □ource:	hud	Confidential □ ell:	N
□irectionally □rilled:	N	SPU□ □ate:	□ot Reported

Map I
irection
istance | ata ase | R I umber

AG145
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000202983**

A I #:	0403713581	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	W . J . Cole	ease ame:	Cole
Field ame:	Rosecrans	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

AC146
NNW
1/2 - 1 Mile

OIL_GAS **CAOG13000005675**

A I #:	0403706175	ell #:	1
ell tatus:	lugged	ell Type:	H
perator ame:	Union il Company of California		
ease ame:	Horowit	Field ame:	Any Field
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

AB147
West
1/2 - 1 Mile

OIL_GAS **CAOG13000202906**

A I #:	0403714993	ell #:	2
ell tatus:	lugged	ell Type:	OG
perator ame:	etro- ewis Corp.	ease ame:	Rosecrans
Field ame:	Rosecrans	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

Z148
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203149**

A I #:	0403714447	ell #:	19
ell tatus:	Active	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	' ea
Field ame:	Rosecrans	Area ame:	Main
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

Map I
irection
istance | ata ase | R I umber

149
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203139**

A I #:	0403714437	ell #:	7
ell tatus:	Active	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	' ea
Field ame:	Rosecrans	Area ame:	Main
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

AE150
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000202909**

A I #:	0403714996	ell #:	5
ell tatus:	lugged	ell Type:	OG
perator ame:	etro- ewis Corp.	ease ame:	Rosecrans
Field ame:	Rosecrans	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

AH151
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203283**

A I #:	0403714557	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	CR roperties td.	ease ame:	Mc Millen Community
Field ame:	Rosecrans, outh	Area ame:	Any Area
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

AB152
West
1/2 - 1 Mile

OIL_GAS **CAOG13000202927**

A I #:	0403715014	ell #:	35
ell tatus:	Active	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	Rosecrans
Field ame:	Rosecrans	Area ame:	Main
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

Map I
irection
istance | ata ase | R I umber

AE153
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203030**

A I #:	0403713629	ell #:	2
ell tatus:	lugged	ell Type:	OG
perator ame:	Isco etro. Corp.	ease ame:	Rosecrans A el
Field ame:	Rosecrans	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

AD154
WNW
1/2 - 1 Mile

OIL_GAS **CAOG13000203142**

A I #:	0403714440	ell #:	11
ell tatus:	Active	ell Type:	OG
perator ame:	reit urn perating LP	ease ame:	' ea
Field ame:	Rosecrans	Area ame:	Main
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	03/26/2026

155
ENE
1/2 - 1 Mile

OIL_GAS **CAOG13000005136**

A I #:	0403705295	ell #:	1
ell tatus:	Idle	ell Type:	OG
perator ame:	E. U. Com s	ease ame:	ease y E. U. Com s
Field ame:	Any Field	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

AE156
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000202924**

A I #:	0403715011	ell #:	31
ell tatus:	lugged	ell Type:	OG
perator ame:	etro- ewis Corp.	ease ame:	Rosecrans
Field ame:	Rosecrans	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

Map I
irection
istance

ata ase R I umber

157
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203298**

A I		ell	
ell tatus	lugged	ell Type	
perator ame	cope Industries Inc.	ease ame	Rowena
Field ame	Rosecrans, outh	Area ame	Any Area
I ource	hud	Confidential ell	
irectionally rilled		U ate	ot Reported

158
WNW
1/2 - 1 Mile

OIL_GAS **CAOG13000203151**

A I		ell	
ell tatus	lugged	ell Type	
perator ame	un ploration roduction Co.		
ease ame	'dea	Field ame	Rosecrans
Area ame	Any Area	I ource	hud
Confidential ell		irectionally rilled	
U ate			

AG159
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000202984**

A I		ell	
ell tatus	lugged	ell Type	
perator ame	Asioco Inc.	ease ame	uchess
Field ame	Rosecrans	Area ame	Main
I ource		Confidential ell	
irectionally rilled		U ate	

AI160
West
1/2 - 1 Mile

OIL_GAS **CAOG13000202918**

A I		ell	
ell tatus	lugged	ell Type	
perator ame	etro ewis Corp.	ease ame	Rosecrans
Field ame	Rosecrans	Area ame	Any Area
I ource	hud	Confidential ell	
irectionally rilled		U ate	ot Reported

Map I
irection
istance

ata ase R I umber

AF161
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000203318**

A I #:	0403714593	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	ohn u man Crane ervice, Inc.		
ease ame:	Hatfield	Field ame:	Rosecrans, outh
Area ame:	Any Area	G IS ource:	GPS
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

AI162
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203114**

A I #:	0403714412	ell #:	2
ell tatus:	lugged	ell Type:	OG
perator ame:	hell estern E&P Inc.	ease ame:	Rosecrans
Field ame:	Rosecrans	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

163
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000203273**

A I #:	0403715043	ell #:	2
ell tatus:	lugged	ell Type:	OG
perator ame:	r. eorge G . Averill	ease ame:	Averill
Field ame:	Rosecrans, outh	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

164
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203302**

A I #:	0403714576	ell #:	1
ell tatus:	lugged	ell Type:	OG
perator ame:	cope Industries Inc.	ease ame:	an uys
Field ame:	Rosecrans, outh	Area ame:	Any Area
G IS ource:	hud	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

Map I
irection
istance

ata ase R I umber

AJ165
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203143**

A I #:	0403714441	ell #:	13
ell tatus:	lugged	ell Type:	OG
perator ame:	un ploration & roduction Co.		
ease ame:	'dea	Field ame:	Rosecrans
Area ame:	Any Area	G IS ource:	hud
Confidential ell:	N	irectionally rilled:	N
SPUD ate:	ot Reported		

AI166
West
1/2 - 1 Mile

OIL_GAS **CAOG13000203148**

A I #:	0403714446	ell #:	18
ell tatus:	Active	ell Type:	Multi
perator ame:	reit urn perating LP	ease ame:	'ea
Field ame:	Rosecrans	Area ame:	Main
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

AH167
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000203284**

A I #:	0403714558	ell #:	2
ell tatus:	lugged	ell Type:	OG
perator ame:	CR roperties td.	ease ame:	Mc Millen Community
Field ame:	Rosecrans, outh	Area ame:	Any Area
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

AJ168
West
1/2 - 1 Mile

OIL_GAS **CAOG13000202872**

A I #:	0403700089	ell #:	10
ell tatus:	Active	ell Type:	INJ
perator ame:	reit urn perating LP	ease ame:	'ea
Field ame:	Rosecrans	Area ame:	Main
G IS ource:	GPS	Confidential ell:	N
irectionally rilled:	N	SPUD ate:	ot Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	4 pCi/L
92507	1	0

Federal EPA Radon Zone for RIVERSIDE County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
Zone 2 indoor average level 2 pCi/L and 4 pCi/L.
Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for RIVERSIDE COUNTY, CA

Number of sites tested: 1

Area	Average Activity	1 Zone pCi/L	2 Zone pCi/L	3 Zone pCi/L
Living Area 1st Floor	0.600 pCi/L	1	0	0
Living Area 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.600 pCi/L	1	0	0

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

U□□ □.□' □igital □levation Model □□M□
□ource□United □tates □eologic □urvey
□□R ac□uired the U□□ □.□' □igital □levation Model in □□□□ and updated it in □□□□. The □.□ minute □□M corresponds to the U□□ □□□□,□□□□and □□□□,□□□□scale topographic □uadrangle maps. The □□M provides elevation data with consistent elevation units and pro□ection.

Current U□□ □.□ Minute Topographic Map
□ource□U.□. □eological □urvey

HYDROLOGIC INFORMATION

Flood □one □ata□ This data was o□tained from the Federal □mergency Management Agency □F□MA□. It depicts □□□□year and □□□□year flood □ones as defined □y F□MA. It includes the □ational Flood Ha□ard □ayer □□FH□□which incorporates Flood Insurance Rate Map □FIRM□data and □□ data from F□MA in areas not covered □y □FH□.
□ource□F□MA
Telephone□□□□□□□□□□□□□□□
□ate of □overnment □ersion□□□□□□, □□□□

□□ I□ □ational □etlands Inventory. This data, availa□le in select counties across the country, was o□tained □y □□R in □□□□, □□□□ and □□□□ from the U.□. Fish and □ildlife □ervice.

□tate □etlands □ata□□ etland Inventory
□ource□□epartment of Fish and □ildlife
Telephone□□□□□□□□□□□□□□□

HYDROGEOLOGIC INFORMATION

A□UIF□□□ R Information □ystem
□ource□ □□R proprietary data□ase of groundwater flow information
□□R has developed the A□UIF□□□ Information □ystem □AI□□to provide data on the general direction of groundwater flow at specific points. □□R has reviewed reports su□mitted to regulatory authorities at select sites and has e□tracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water ta□le information.

GEOLOGIC INFORMATION

□eologic Age and Rock □tratigraphic Unit
□ource□□.□. □chru□en, R.□. Arndt and □ .□. □awiec, □eology of the Conterminous U.□. at □□□,□□□,□□□ □cale □A digital representation of the □□□□ □.□. □ing and H.M. □eikman Map, U□□ □igital □ata □eries □□□ □□□ □□□□□□□.

□TAT□□□□ □tate □oil □eographic □ata□ase
□ource□ □epartment of Agriculture, □atural Resources Conservation □ervice □□RC□□
The U.□. □epartment of Agriculture's □U□□A□□atural Resources Conservation □ervice □□RC□□leads the national Conservation □oil □urvey □□C□□□and is responsi□le for collecting, storing, maintaining and distri□uting soil survey information for privately owned lands in the United □tates. A soil map in a soil survey is a representation of soil patterns in a landscape. □oil maps for □TAT□□□ are compiled □y generali□ing more detailed □□□UR□□□ soil survey maps.

□□UR□□□□oil □urvey □eographic □ata□ase
□ource□ □epartment of Agriculture, □atural Resources Conservation □ervice □□RC□□
Telephone□ □□□□□□□□□□□□□
□□UR□□ is the most detailed level of mapping done □y the □atural Resources Conservation □ervice, mapping scales generally range from □□□□,□□□ to □□□□,□□□. Field mapping methods using national standards are used to construct the soil maps in the □oil □urvey □eographic □□□UR□□□data□ase. □□UR□□ digiti□ing duplicates the original soil survey maps. This level of mapping is designed for use □y landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

F□□□RA□ □ AT□R □ □□□□

□□ □□ □u□lic □ ater □ystems
□ource□ □□A□□ ffice of □rinking □ ater
Telephone□ □□□□□□□□□□□□□□
□u□lic □ ater □ystem data from the Federal Reporting □ata □ystem. A □□ □ is any water system which provides water to at least □□ people for at least □□ days annually. □□ □s provide water from wells, rivers and other sources.

□□ □ □□F□ □u□lic □ ater □ystems □iolation and □nforcement □ata
□ource□ □□A□□ ffice of □rinking □ ater
Telephone□ □□□□□□□□□□□□□□
□iolation and □nforcement data for □u□lic □ ater □ystems from the □afe □rinking □ ater Information □ystem □□□□ I□□after August □□□□. □rior to August □□□□, the data came from the Federal Reporting □ata □ystem □FR□□.

U□□□ □ ater □ ells□ U□□□ □ational □ ater Inventory □ystem □□ I□□
This data□ase contains descriptive information on sites where the U□□□ collects or has collected data on surface water and□or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

□TAT□ R□C□R□□

□ ater □ ell □ata□ase
□ource□ □epartment of □ ater Resources
Telephone□ □□□□□□□□□□□□□□

California □rinking □ ater □uality □ata□ase
□ource□ □epartment of □u□lic Health
Telephone□ □□□□□□□□□□□□□□
The data□ase includes all drinking water compliance and special studies monitoring for the state of California since □□□□. It consists of over □,□□□,□□□ individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California □il and □as □ ell □ocations
□ource□□ept of Conservation, □eologic □nergy Management □ivision
Telephone□ □□□□□□□□□□□□□□
□il and □as well locations in the state.

California □arth□uake Fault □ines
□ource□ California □ivision of Mines and □eology
The fault lines displayed on □□R's Topographic map are digiti□ed □uaternary fault lines prepared in □□□□ □y the United □tate □eological □urvey. Additional information □also from □□□□□regarding activity at specific fault lines comes from California's □reliminary Fault Activity Map prepared □y the California □ivision of Mines and □eology.

RA□□□

□tate □ata□ase□CA Radon
□ource□□ epartment of □u□lic Health
Telephone□□□□□□□□□□□□□□
Radon □ata□ase for California

Area Radon Information
□ource□U□□□
Telephone□ □□□□□□□□□□□□□□
The □ational Radon □ata□ase has □een developed □y the U.□. □nvironmental □rotection Agency □U□□□A□and is a compilation of the □□A□□tate Residential Radon □urvey and the □ational Residential Radon □urvey. The study covers the years □□□□ □□□□□. □ here necessary data has □een supplemented □y information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

□□A Radon □ones
□ource□ □□A
Telephone□ □□□□□□□□□□□□□□
□ections □□□ □ □□□ of IRAA directed □□A to list and identify areas of U.□. with the potential for elevated indoor radon levels.

□TH□R

Airport □anding Facilities□ □rivate and pu□lic use landing facilities
□ource□ Federal Aviation Administration, □□□□□□□□□□□□□

□picenters□ □ orld earth□uake epicenters, Richter □ or greater
□ource□ □epartment of Commerce, □ational □ceanic and Atmospheric Administration

California □arth□uake Fault □ines□ The fault lines displayed on □□R's Topographic map are digiti□ed □uaternary fault lines, prepared in □□□□ □y the United □tate □eological □urvey. Additional information □also from □□□□□regarding activity at specific fault lines comes from California's □reliminary Fault Activity Map prepared □y the California □ivision of Mines and □eology.

STREET AND ADDRESS INFORMATION

Appendix C

Regulatory Agency Records

Permit ID	App Status	App Disposition	Date App. Init.	Date Permit Issued	Date Permit Finalized	Work Description	Owner Name
BL 0205300033 900 ROSECRANS AV LOS ANGELES	Finalized	Normal	05/30/2002	05/30/2002	07/02/2002	INSTALL MANUFACTURE BUILDING, (960) SQ FT.(FOUNDATION ONLY). TO FINALIZE PERMIT #BL0003160033.	
BL 0205300035 900 ROSECRANS AV LOS ANGELES	Finalized	Normal	05/30/2002	05/30/2002	07/02/2002	SIGN 5'X10', 15 AFTER FINISH GROUND.	
BL 0802010036 900 ROSECRANS AV LOS ANGELES	Finalized	Normal	02/01/2008	02/01/2008	02/11/2008	RE-ROOF EXIST FLAT ROOF, REPAIR SUB ROOF & REROOF W/ 3 PLY HOT ASPHALT #28 FIBERGLASS BASE	
EL 0205300011 900 ROSECRANS AV LOS ANGELES	Finalized	Normal	05/30/2002	05/30/2002	07/02/2002	INSTALL MANUFACTURE BUILDING, (960) SQ FT.(FOUNDATION ONLY). FINALIZE PERMIT #EL0007310041.	
EL 0409010021 900 ROSECRANS AV LOS ANGELES	Finalized	Normal	09/01/2004	09/01/2004	10/19/2004	ELECTRICAL PERMIT.	

Clean LA for Residents
Clean LA for Business
Clean LA for Government
Clean LA is for ALL
Los Angeles County

Reduce, Reuse, Recycle, Rethink
Trash Collection / Illegal Dumping
Household Hazardous Waste / Electronic Waste
Used Motor Oil Recycling
Industrial Waste
Underground Storage Tanks
Solid Waste
Stormwater
Water Conservation
Youth Education

Online File Review

Industrial Waste / Underground Storage Tanks / Stormwater

Back

You searched the following address:

Street Number: 900 Street Name: E Rosecrans

Our office does not have any records (related to industrial waste/underground storage tanks/stormwater) for the requested site address.

Please double check the spelling of the street name or search a different address. Both street number and street name must be exact and spelled correctly as they appear for the facility on file. Do not include street direction prefix (i.e. N, S, E, W, etc...) or suffix (i.e. ST, AVE, RD, BLVD, etc...) unless they appear in the street name (i.e. AVENUE K, AVENIDA CESAR CHAVEZ, 10TH ST EAST, CROSSROADS PKWY N, etc...). Do not include any extra spaces after the street number or after the street name.

Back

From: LACoFD <lacountyfire@mycusthelp.net>
Sent: Thursday, July 23, 2020 2:38 PM
To: Alondra Villanueva
Subject: HHMD No File Responsive :: H026070-072320

RE: PRA of July 23, 2020, Reference # H026070-072320.

Dear Environmental Geologist Alondra Villanueva,

The Los Angeles County Fire Department, Health Hazardous Materials Division, being the custodian or keeper of records, certify that a thorough search for the records you requested has been carried out.

Re: 900 E Rosecrans Ave
Los Angeles CA 90059

The search revealed that your noted address did not match our database.

It should be understood that this does not mean that the records you requested do not exist. It is possible that such records may be misfiled; exist under another spelling, another name, or may have been destroyed based on this Department's Record Retention Policy. However, with the information furnished to our office, and to the best of our knowledge, no records were located.

For businesses in Burbank, Culver City, Downey, City of LA, La Habra, Monrovia, Pasadena, Santa Monica, Torrance & Underground Storage Tanks in Los Angeles County jurisdiction click here.

Los Angeles County Fire Department

Health Hazardous Materials Division

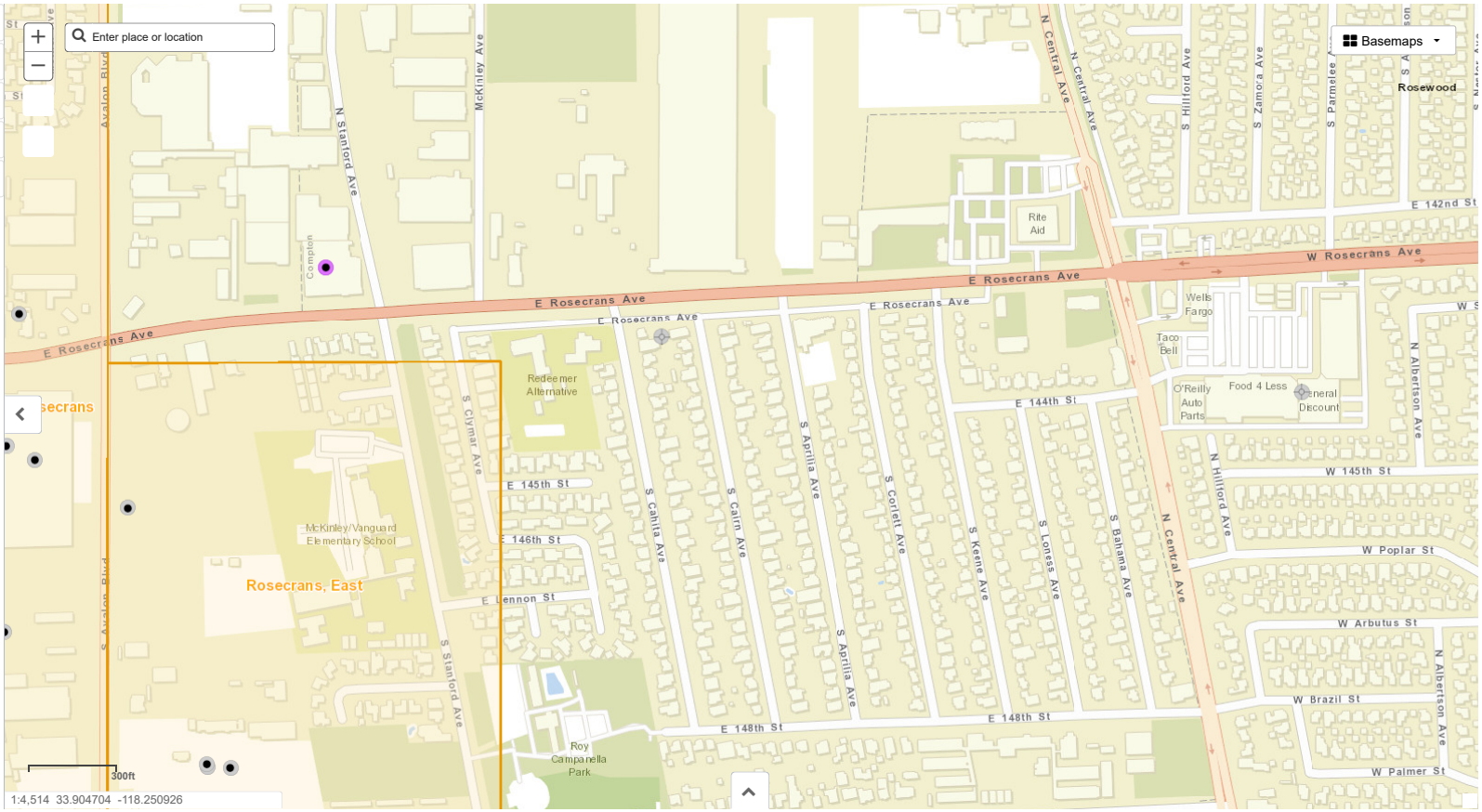
Site Administrator

County of Los Angeles Fire Department

Well Finder
CalGEM GIS

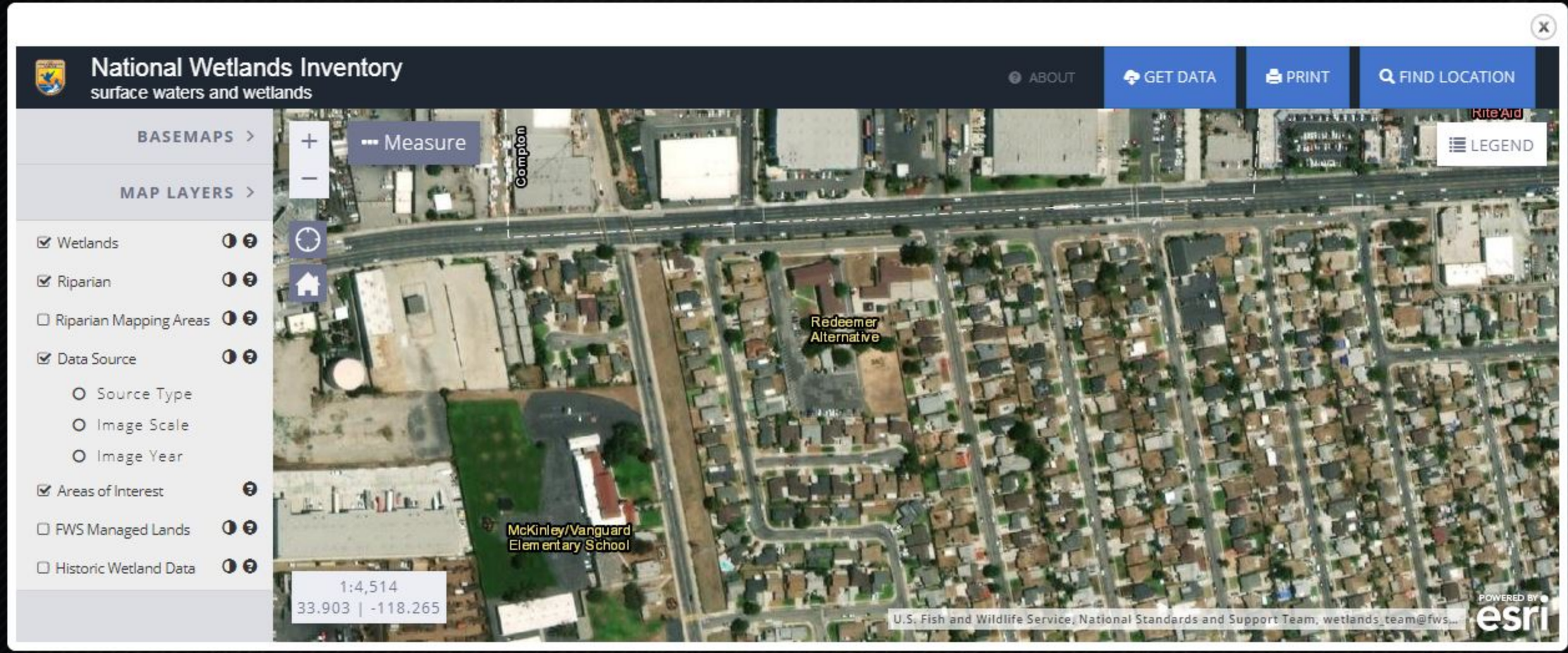
More Info | Help | ©

Well Status and Well Type Filter
Search
Zoom to Field
Measurement
Layers



making.

The wetlands displayed on the Wetlands Mapper show wetland type and extent using a biological definition of wetlands



Appendix D

EDR Lien and AUL Report

Green Dot Public School
900 Rosecrans
Compton, CA 90220

Inquiry Number: 6132121.7
July 24, 2020

EDR Environmental Lien and AUL Search

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

900 Rosecrans
Green Dot Public School
Compton, CA 90220

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

RESEARCH SOURCE

Source 1:

LA Recorder
Los Angeles, CA

PROPERTY INFORMATION

Deed 1:

Type of Deed:	deed
Title is vested in:	Presbytery of the Pacific
Title received from:	Synod of So Calif & Hawaii
Deed Dated	6/23/1983
Deed Recorded:	5/16/1984
Book:	NA
Page:	na
Volume:	na
Instrument:	na
Docket:	NA
Land Record Comments:	apn chg
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	Presbytery of the Pacific
Parcel # / Property Identifier:	6137-017-001, 6137-032-033
Comments:	See Exhibit

Deed Exhibit 1

REDBLUE P.C.

RECORDING REQUESTED BY
Latham & Watkins
555 S. Flower Street
Los Angeles, CA 90071

AND WHEN RECORDED MAIL TO

Name
Street Address
City & State
Presbytery of the Pacific
6323 W. 80th Street
Los Angeles, CA 90045

MAIL TAX STATEMENTS TO

Name
Street Address
City & State
Same as above

84 583780

RECORDED IN OFFICIAL RECORDS
OF LOS ANGELES COUNTY, CA
MAY 16 1984 AT 8 A.M.
Recorder's Office

FEE
$6
3S

SURVEY MONUMENT FEE $10.00 CODE 99

SPACE ABOVE THIS LINE FOR RECORDER'S USE

Corporation Grant Deed

TO 1921 CA (12-74) THIS FORM FURNISHED BY TICOR TITLE INSURERS

A.P.N. 6137-017-001

The undersigned grantor(s) declare(s):
Documentary transfer tax is $ 143.50 .
( ) computed on full value of property conveyed, or
(X) computed on full value less value of liens and encumbrances remaining at time of sale.
( ) Unincorporated area: ( ) City of _____, and
FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, THE SYNOD OF SOUTHERN CALIFORNIA AND HAWAII, a California non-profit corporation, formerly known as The Presbytery of Los Angeles, a religious
X corporation organized under the laws of the State of California hereby GRANTS to

PRESBYTERY OF THE PACIFIC, a California non-profit corporation

the following described real property in the County of Los Angeles, State of California:

See Exhibit A attached hereto and made a part hereof.

In Witness Whereof, said corporation has caused its corporate name and seal to be affixed hereto and this instrument to be executed by its President and A. W. Graves Jr. Secretary thereunto duly authorized.
Dated: June 23, 1983

THE SYNOD OF SOUTHERN CALIFORNIA AND HAWAII, a California non-profit corporation

By Virgil Gerber President

Albert R. Gasperini Secretary
Controller

STATE OF CALIFORNIA
COUNTY OF Los Angeles } ss.

On June 23, 1983 before me, the undersigned, a Notary Public in and for said State, personally appeared A. W. Graves Jr., known to me to be the Controller President, and _____ known to me to be _____ Secretary of the Corporation that executed the within Instrument, known to me to be the persons who executed the within Instrument on behalf of the Corporation therein named, and acknowledged to me that such Corporation executed the within Instrument pursuant to its by-laws or a resolution of its board of directors.

WITNESS my hand and official seal.

Signature Maamis I Cox

OFFICIAL SEAL
MAAMIS I COX
NOTARY PUBLIC - CALIFORNIA
LOS ANGELES COUNTY
My comm. expires NOV 22, 1985

(This area for official notarial seal)

Title Order No. 81655 TS L. Stanley Escrow or Loan No.

MAIL TAX STATEMENTS AS DIRECTED ABOVE

STATE OF CALIFORNIA)
) ss.
COUNTY OF Orange)

On July 8, 1983 before me, the undersigned, a Notary Public in and for said State, personally appeared Virgil Zirbel, personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed the within instrument as the President of the Corporation that executed the within instrument and acknowledged to me that such corporation executed the within instrument pursuant to its by-laws or a resolution of its board of directors.

WITNESS my hand and official seal.

Signature Janine R. West

OFFICIAL SEAL
JANINE R. WEST
NOTARY PUBLIC — CALIFORNIA
PRINCIPAL OFFICE IN
ORANGE COUNTY
My Commission Expires September 2, 1986

84 583780

REDEEMER P.C.

EXHIBIT A

DESCRIPTION:

A PARCEL OF LAND IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, BEING THAT PORTION OF LOT 1, RANGE 1, AS SHOWN ON THE MAP OF A PORTION OF THE SAN PEDRO RANCHO, FORMERLY OWNED BY THE HEIRS OR NASARIO DOMINGUEZ, COMMONLY KNOWN AS THE BEAUDRY, DOWNEY AND HAYWARD TRACT, RECORDED IN BOOK 4 PAGE 348 OF MISCELLANEOUS RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, AND THAT PORTION OF LOT 43 OF GARDENA HEIGHTS, AS PER MAP RECORDED IN BOOK 11 PAGE 164 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS A WHOLE AS FOLLOWS:

BEGINNING AT THE NORTHEASTERLY CORNER OF LOT 21 OF TRACT 23978, AS SHOWN ON MAP RECORDED IN BOOK 633 PAGES 86 TO 88 INCLUSIVE OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY; THENCE ALONG THE BOUNDARY LINE OF SAID TRACT NO. 23978, SOUTH 88 DEGREES 02 MINUTES 13 SECONDS WEST 306.18 FEET TO AN ANGLE POINT THEREIN; THENCE ALONG AN EASTERLY BOUNDARY LINE OF SAID TRACT NO. 23978 AND ITS NORTHERLY PROLONGATION, NORTH 11 DEGREES 08 MINUTES 22 SECONDS WEST 487.44 FEET TO THE SOUTHERLY LINE OF THAT PORTION OF ROSECRANS AVENUE, SHOWN AS 60 FEET WIDE ON SAID MAP OF TRACT NO. 23978 AND BEING ALSO THE NORTHERLY LINE OF SAID LOT 43; THENCE ALONG SAID NORTHERLY LINE, NORTH 86 DEGREES 47 MINUTES 19 SECONDS EAST 305.18 FEET TO THE NORTHERLY PROLONGATION OF THE EASTERLY LINE OF SAID LOT 21 OF TRACT NO. 23978; THENCE ALONG SAID PROLONGATION, NORTH 11 DEGREES 08 MINUTES 22 SECONDS WEST 30.29 FEET TO THE CENTER LINE OF ROSECRANS AVENUE, AS SAID CENTER LINE IS SHOWN ON SAID MAP OF TRACT NO. 23978; THENCE ALONG SAID CENTER LINE, NORTH 86 DEGREES 47 MINUTES 19 SECONDS EAST 123.30 FEET TO THE NORTHERLY PROLONGATION OF THE WESTERLY LINE OF CAHITA AVENUE (54 FEET WIDE) AS SHOWN ON MAP OF TRACT NO. 13111, RECORDED IN BOOK 302 PAGES 38 AND 39 OF MAPS, IN SAID OFFICE OF THE COUNTY RECORDER; THENCE ALONG SAID PROLONGATION AND SAID WESTERLY LINE, SOUTH 11 DEGREES 08 MINUTES 22 SECONDS EAST 214.78 FEET 214.78 FEET TO A POINT DISTANT THEREON NORTH 11 DEGREES 08 MINUTES 22 SECONDS WEST 100 FEET FROM THE NORTHEASTERLY CORNER OF LOT 1 OF SAID TRACT NO. 13111; THENCE PARALLEL WITH THE NORTHERLY LINE OF SAID LAST MENTIONED LOT 1, SOUTH 78 DEGREES 51 MINUTES 38 SECONDS WEST 122.12 FEET TO SAID NORTHERLY PROLONGATION OF SAID EASTERLY LINE OF SAID LOT 21; THENCE ALONG SAID PROLONGATION, SOUTH 11 DEGREES 08 MINUTES 22 SECONDS EAST 292.68 FEET TO THE POINT OF BEGINNING.

EXCEPT FROM SAID POINT OF SAID LOT 43, ONE-HALF OF ALL CRUDE OIL, PETROLEUM, GAS, BREA, ASPHALTUM AND ALL KINDRED SUBSTANCES AND OTHER MINERALS UNDER AND IN SAID LAND, AS RESERVED BY JAMES R. FARNED AND NELLIE BELLE FARNED, BY DEED RECORDED JANUARY 27, 1955 IN BOOK 46745 PAGE 49, OFFICIAL RECORDS.

Appendix E

Historical Research Documentation

Green Dot Public School

900 Rosecrans

Compton, CA 90220

Inquiry Number: 6132121.11

July 23, 2020

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

07/23/20

Site Name:

Green Dot Public School
900 Rosecrans
Compton, CA 90220
EDR Inquiry # 6132121.11

Client Name:

Alta Environmental
3777 Long Beach Blvd
Long Beach, CA 90807-0000
Contact: Alondra Villanueva

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
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
1981	1"=500'	Flight Date: February 21, 1981	EDR Proprietary Brewster Pacific
1979	1"=500'	Flight Date: May 11, 1979	EDR Proprietary Brewster Pacific
1970	1"=500'	Flight Date: February 17, 1970	EDR Proprietary Brewster Pacific
1963	1"=500'	Flight Date: February 28, 1963	USGS
1952	1"=500'	Flight Date: April 12, 1952	USDA
1947	1"=500'	Flight Date: June 18, 1947	FAIR
1938	1"=500'	Flight Date: May 24, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	FAIR
1923	1"=500'	Flight Date: January 01, 1923	FAIR

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.


INQUIRY #: 6132121.11
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 6132121.11
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 6132121.11
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 6132121.11
YEAR: 2005
= 500'
N
EDR


INQUIRY #: 6132121.11
YEAR: 2002
= 500'
N
EDR


INQUIRY #: 6132121.11
YEAR: 1994
= 500'
N
EDR


INQUIRY #: 6132121.11
YEAR: 1989
= 500'
N
EDR

INQUIRY #: 6132121.11

YEAR: 1981

= 500'

N

EDR


INQUIRY #: 6132121.11
YEAR: 1979
= 500'
N
EDR

INQUIRY #: 6132121.11

YEAR: 1970

= 500'

N

EDR

INQUIRY #: 6132121.11

YEAR: 1963

= 500'

N

EDR

INQUIRY #: 6132121.11

YEAR: 1952

= 500'

N

EDR

INQUIRY #: 6132121.11

YEAR: 1947

= 500'

N

EDR

INQUIRY #: 6132121.11

YEAR: 1938

= 500'

N

EDR

INQUIRY #: 6132121.11

YEAR: 1928

= 500'

N

EDR

INQUIRY #: 6132121.11

YEAR: 1923

= 500'

N

EDR

Green Dot Public School
900 Rosecrans
Compton, CA 90220

Inquiry Number: 6132121.4
July 23, 2020

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

07/23/20

Site Name:

Green Dot Public School
900 Rosecrans
Compton, CA 90220
EDR Inquiry # 6132121.4

Client Name:

Alta Environmental
3777 Long Beach Blvd
Long Beach, CA 90807-0000
Contact: Alondra Villanueva

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Alta Environmental were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# PCDD-20-9763

Project: PCCD-20-9763

Coordinates:

Latitude:	33.902058 33° 54' 7" North
Longitude:	-118.260185 -118° 15' 37" West
UTM Zone:	Zone 11 North
UTM X Meters:	383487.68
UTM Y Meters:	3752011.20
Elevation:	113.00' above sea level

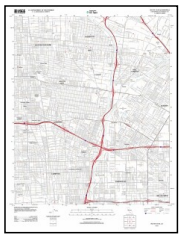
Maps Provided:

2012	1942
1981	1937
1972	1930
1964	1924
1952	1923
1949, 1950	1902
1947, 1948	1899
1943	1896

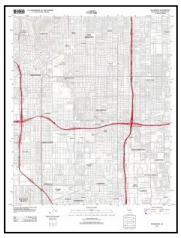
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



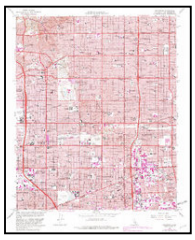
South Gate
2012
7.5-minute, 24000



Inglewood
2012
7.5-minute, 24000

1981 Source Sheets

South Gate
1981
7.5-minute, 24000
Aerial Photo Revised 1978



Inglewood
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1972 Source Sheets

South Gate
1972
7.5-minute, 24000
Aerial Photo Revised 1972

Inglewood
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1964 Source Sheets

South Gate
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Inglewood
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

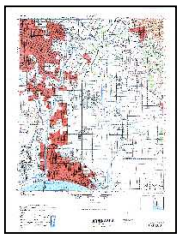
Inglewood
1952
7.5-minute, 24000
Aerial Photo Revised 1947

1949, 1950 Source Sheets

South Gate
1949
7.5-minute, 24000
Aerial Photo Revised 1947

Inglewood
1950
7.5-minute, 24000
Aerial Photo Revised 1947

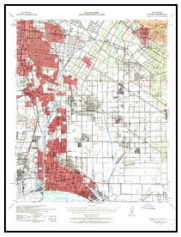
1947, 1948 Source Sheets



DOWNEY
1947
15-minute, 50000

REDONDO
1948
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

1937 Source Sheets

Watts
1937
7.5-minute, 24000

1930 Source Sheets

Compton
1930
7.5-minute, 24000

1924 Source Sheets

Watts
1924
7.5-minute, 24000

Compton
1924
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1923 Source Sheets

Watts
1923
7.5-minute, 24000

1902 Source Sheets

Downey
1902
15-minute, 62500

1899 Source Sheets

Downey
1899
15-minute, 62500

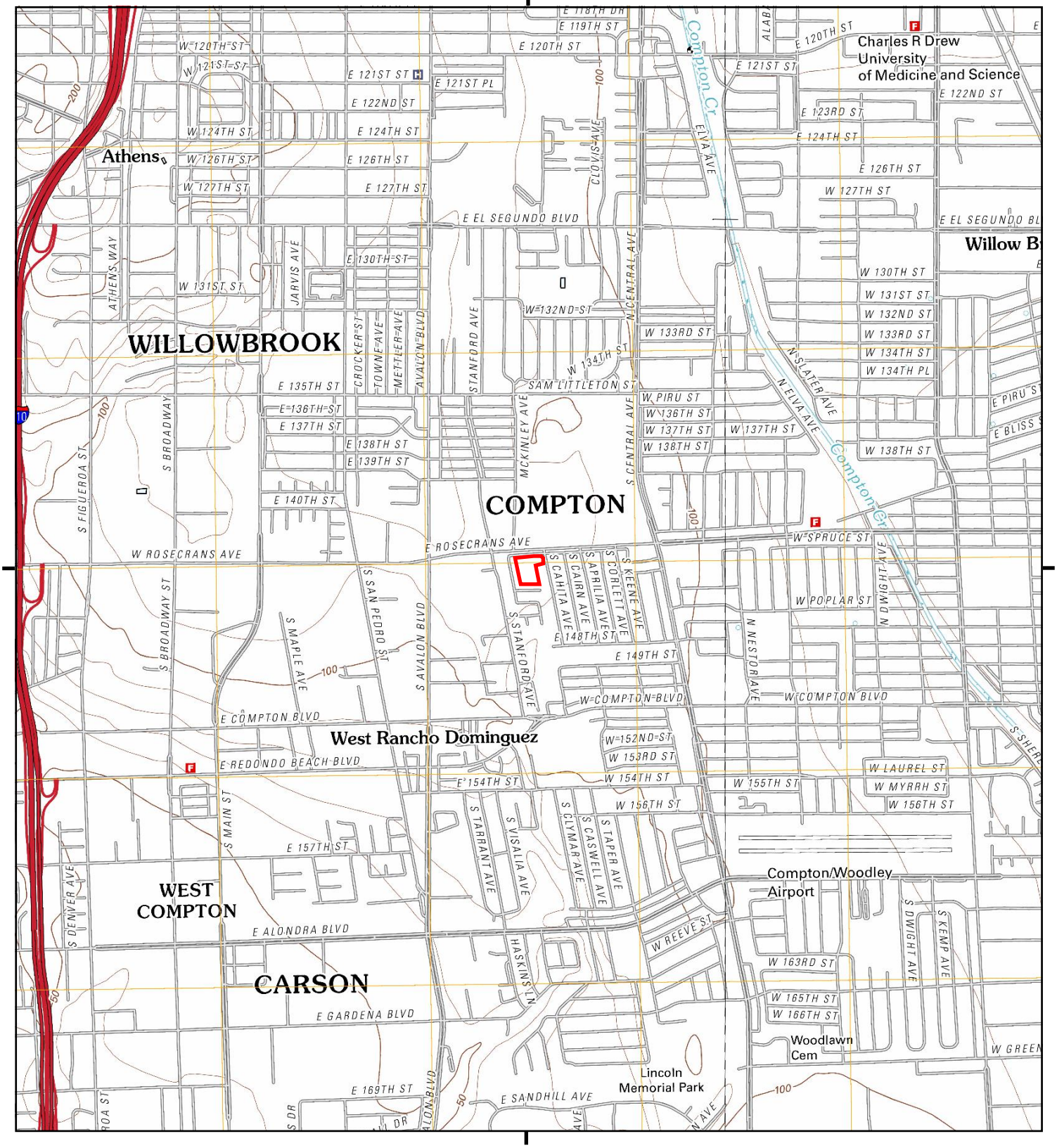
1896 Source Sheets

Downey
1896
15-minute, 62500

Redondo
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

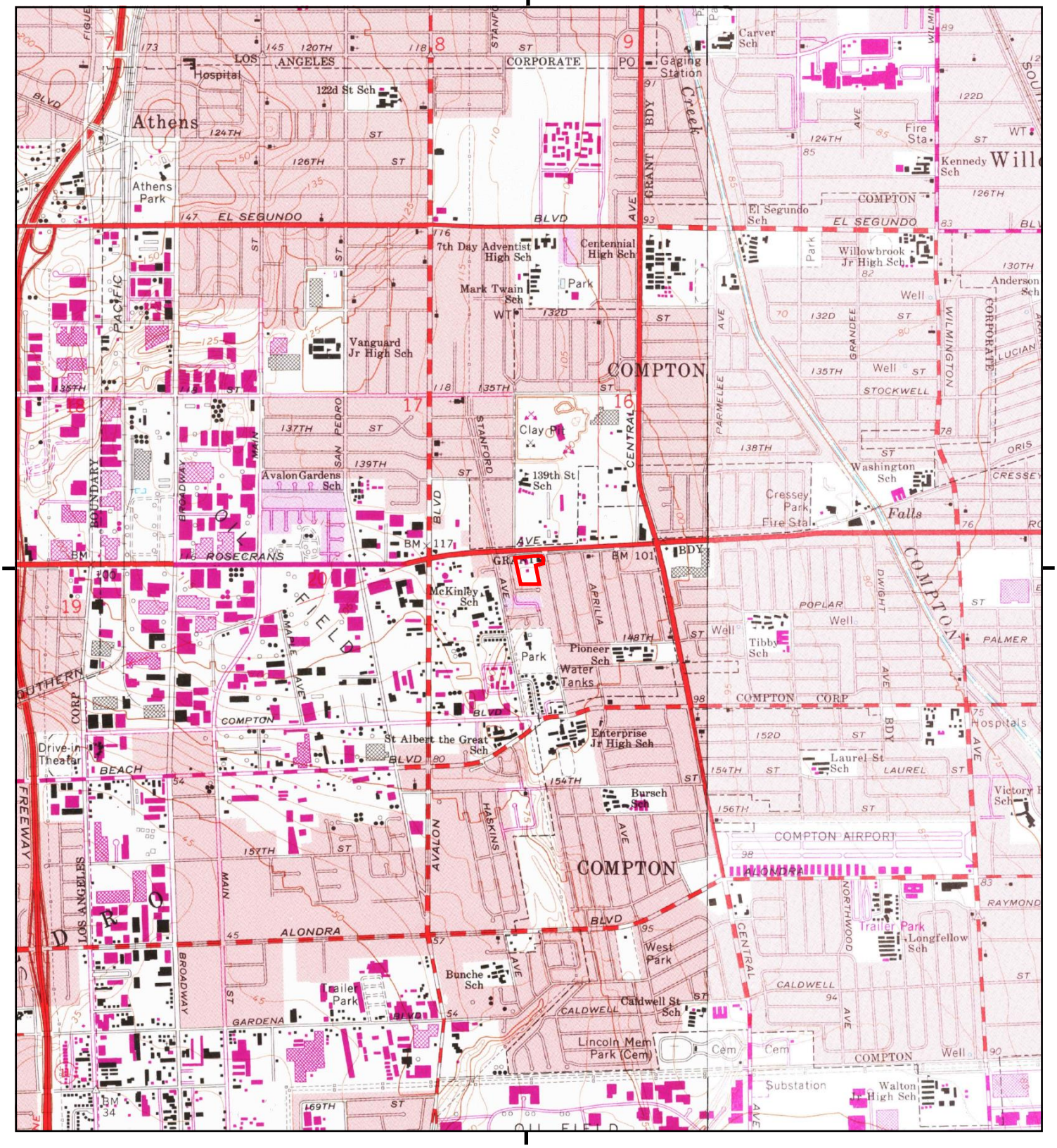
TP, Inglewood, 2012, 7.5-minute
NE, South Gate, 2012, 7.5-minute

SITE NAME: Green Dot Public School
ADDRESS: 900 Rosecrans
Compton, CA 90220
CLIENT: Alta Environmental

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

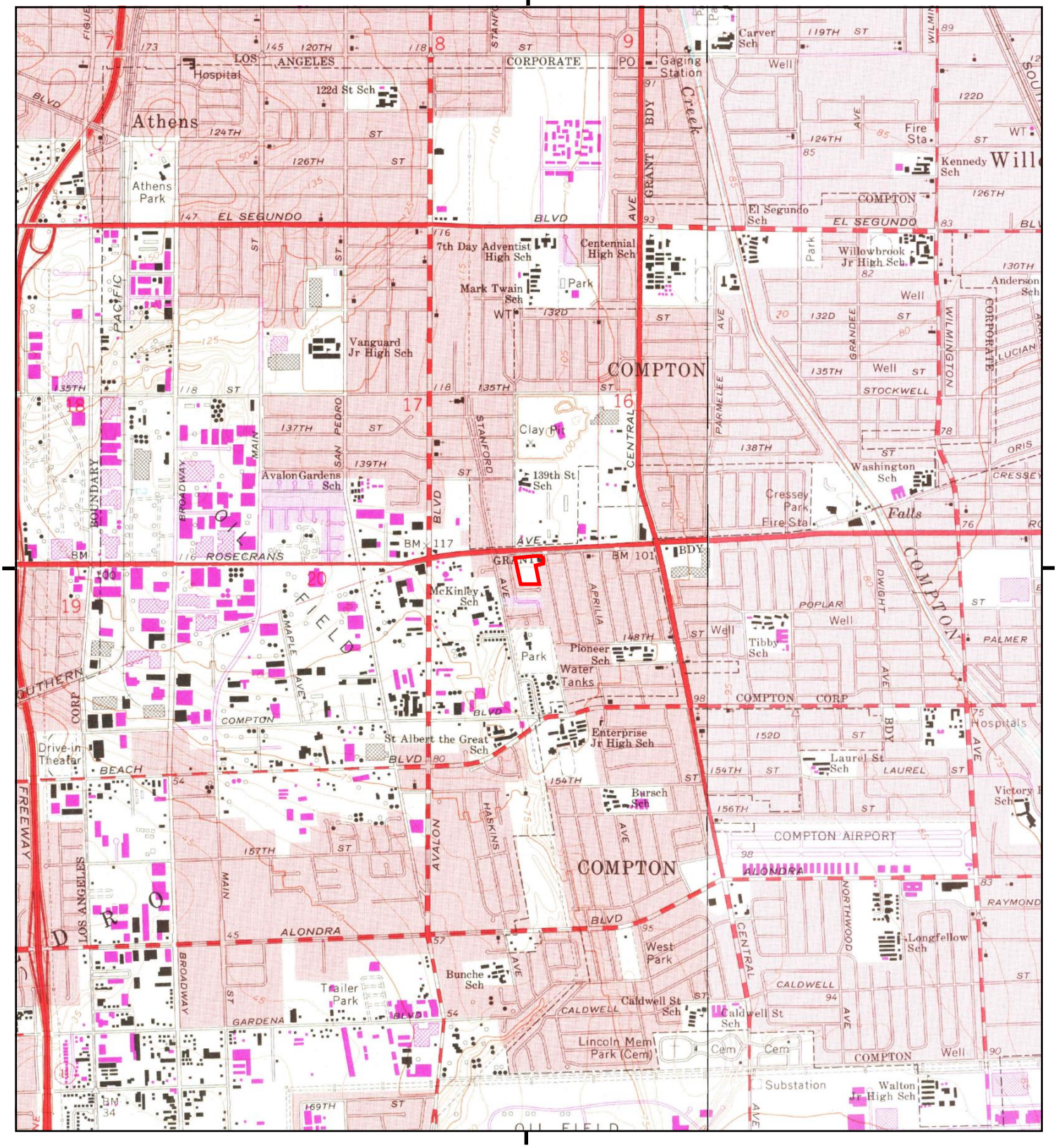
TP, Inglewood, 1981, 7.5-minute
NE, South Gate, 1981, 7.5-minute

SITE NAME: Green Dot Public School
ADDRESS: 900 Rosecrans
Compton, CA 90220
CLIENT: Alta Environmental

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

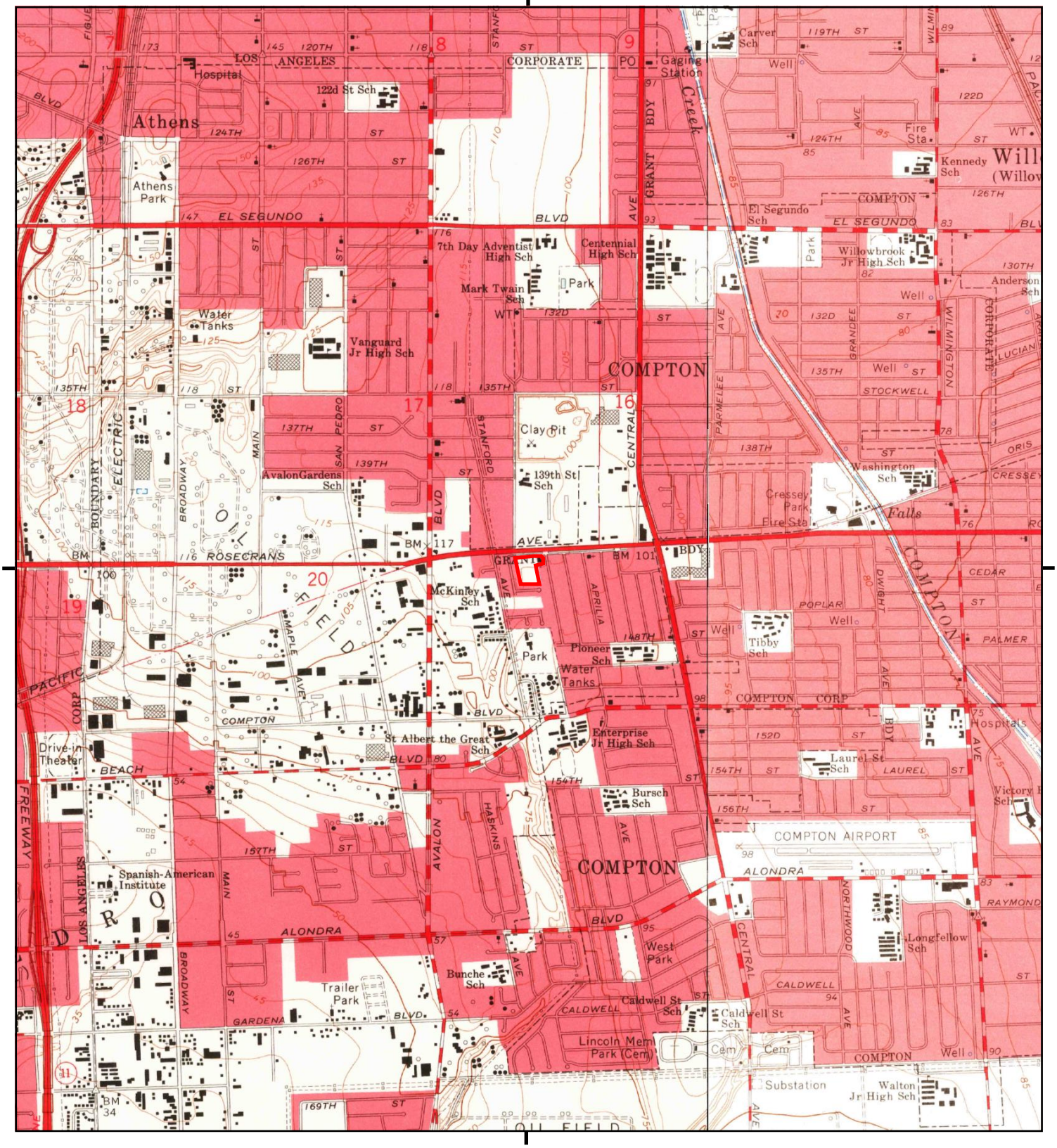
TP, Inglewood, 1972, 7.5-minute
NE, South Gate, 1972, 7.5-minute

SITE NAME: Green Dot Public School
ADDRESS: 900 Rosecrans
Compton, CA 90220
CLIENT: Alta Environmental

N

Historical Topo Map

1964



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

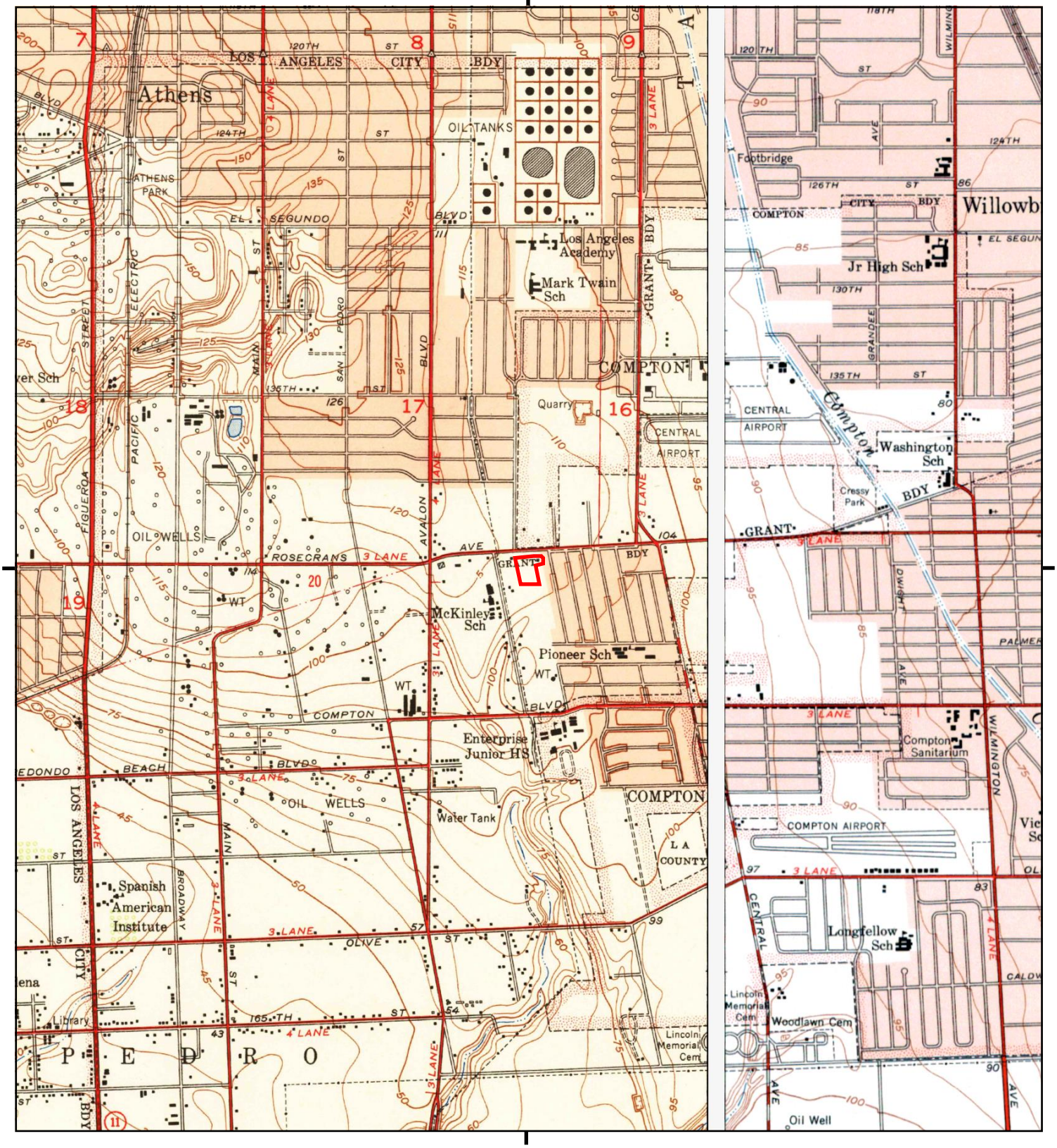
TP, Inglewood, 1964, 7.5-minute
NE, South Gate, 1964, 7.5-minute

SITE NAME: Green Dot Public School
ADDRESS: 900 Rosecrans
Compton, CA 90220
CLIENT: Alta Environmental

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

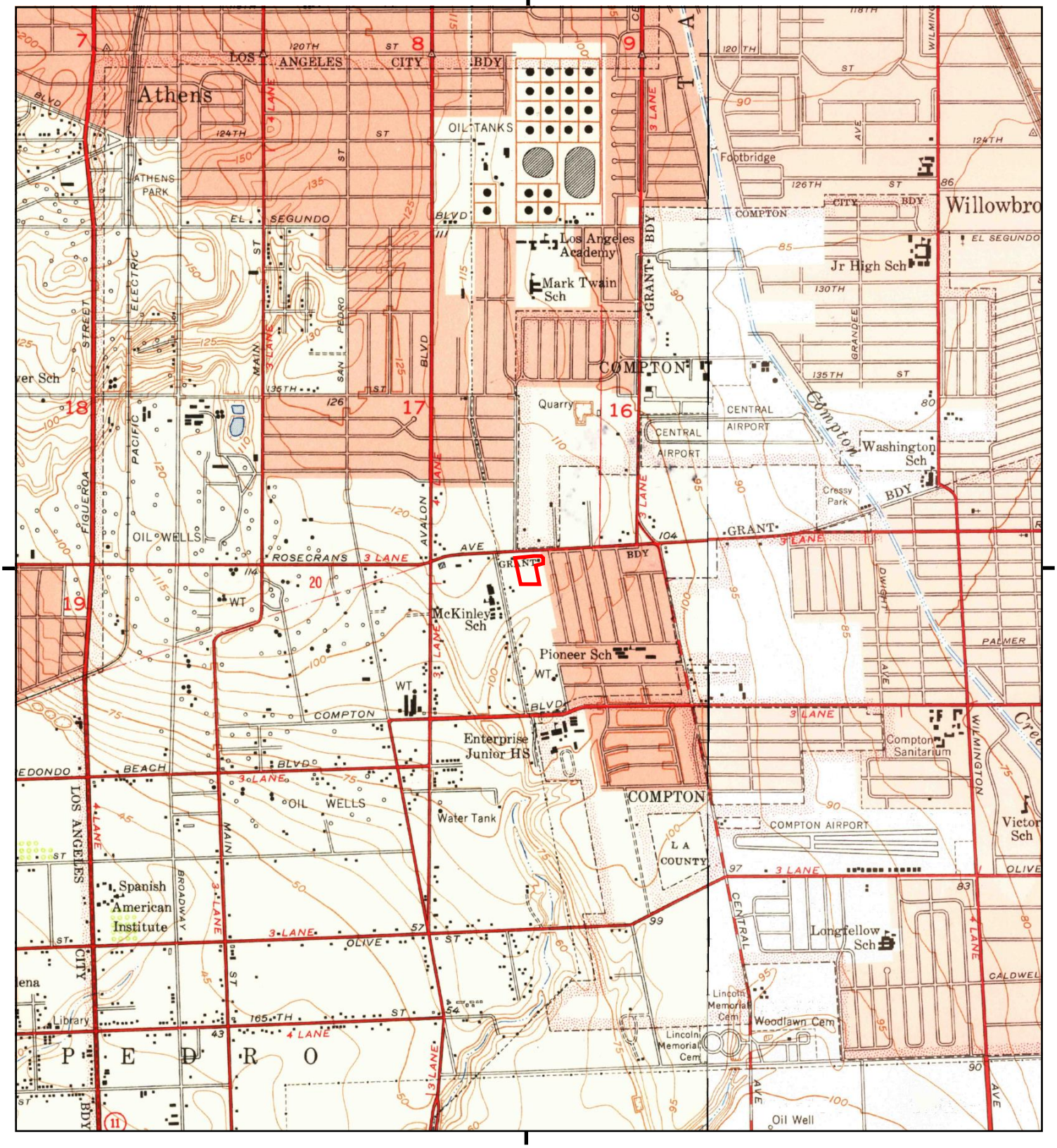
TP, Inglewood, 1952, 7.5-minute
NE, SOUTH GATE, 1952, 7.5-minute

SITE NAME: Green Dot Public School
ADDRESS: 900 Rosecrans
Compton, CA 90220
CLIENT: Alta Environmental

N

Historical Topo Map

1949, 1950



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

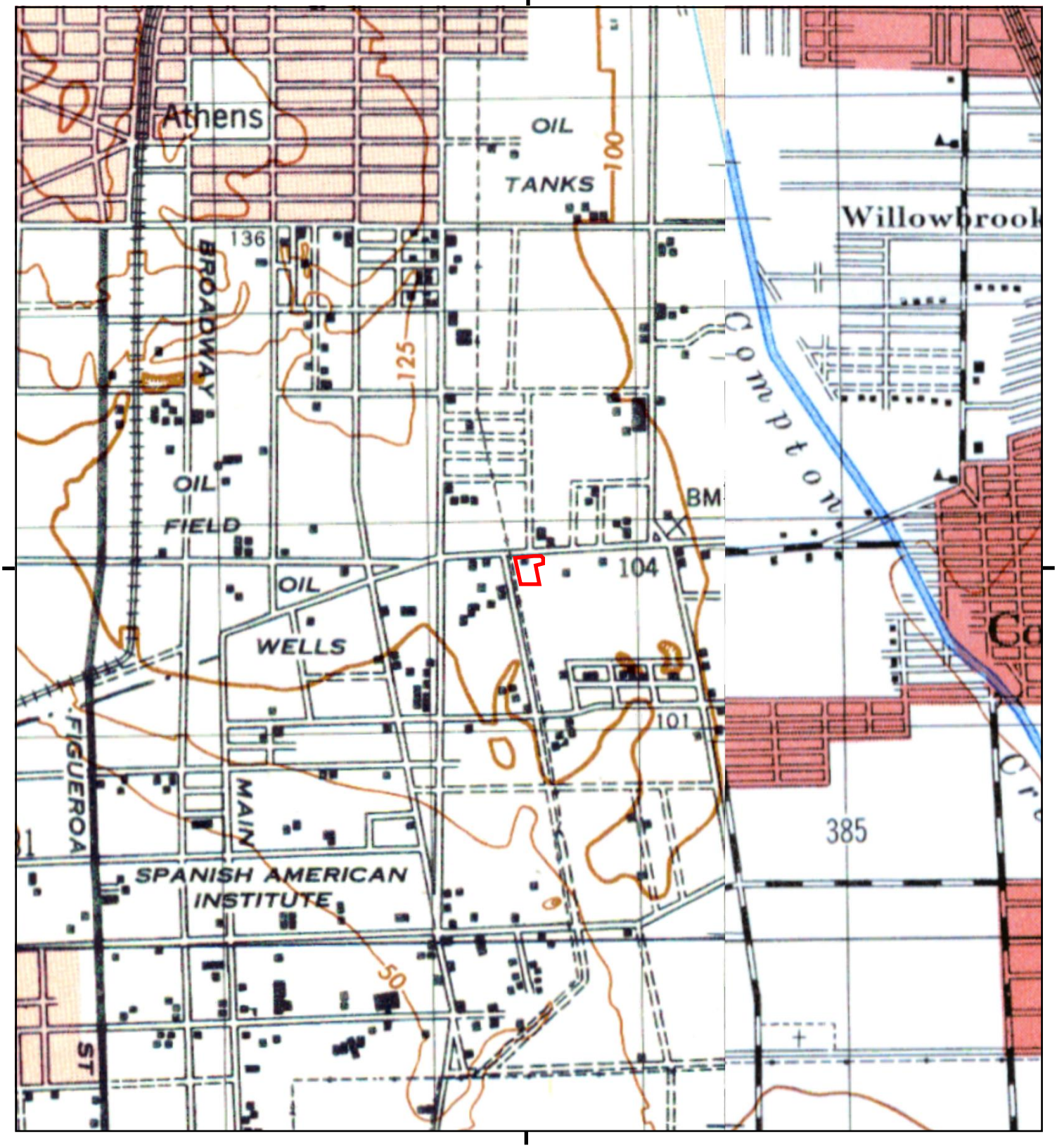
TP, Inglewood, 1950, 7.5-minute
NE, South Gate, 1949, 7.5-minute

SITE NAME: Green Dot Public School
ADDRESS: 900 Rosecrans
Compton, CA 90220
CLIENT: Alta Environmental

N

Historical Topo Map

1947, 1948



This report includes information from the following map sheet(s).

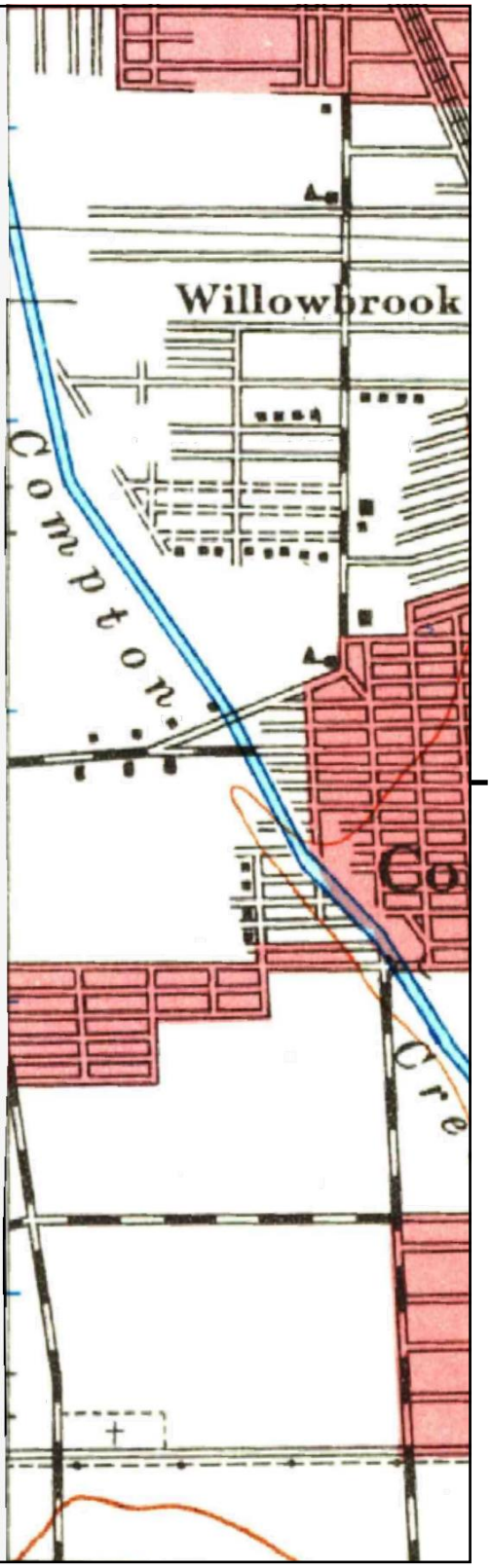
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, REDONDO, 1948, 15-minute
E, DOWNEY, 1947, 15-minute

SITE NAME: Green Dot Public School
ADDRESS: 900 Rosecrans
Compton, CA 90220
CLIENT: Alta Environmental

N



This report includes information from the following map sheet(s).

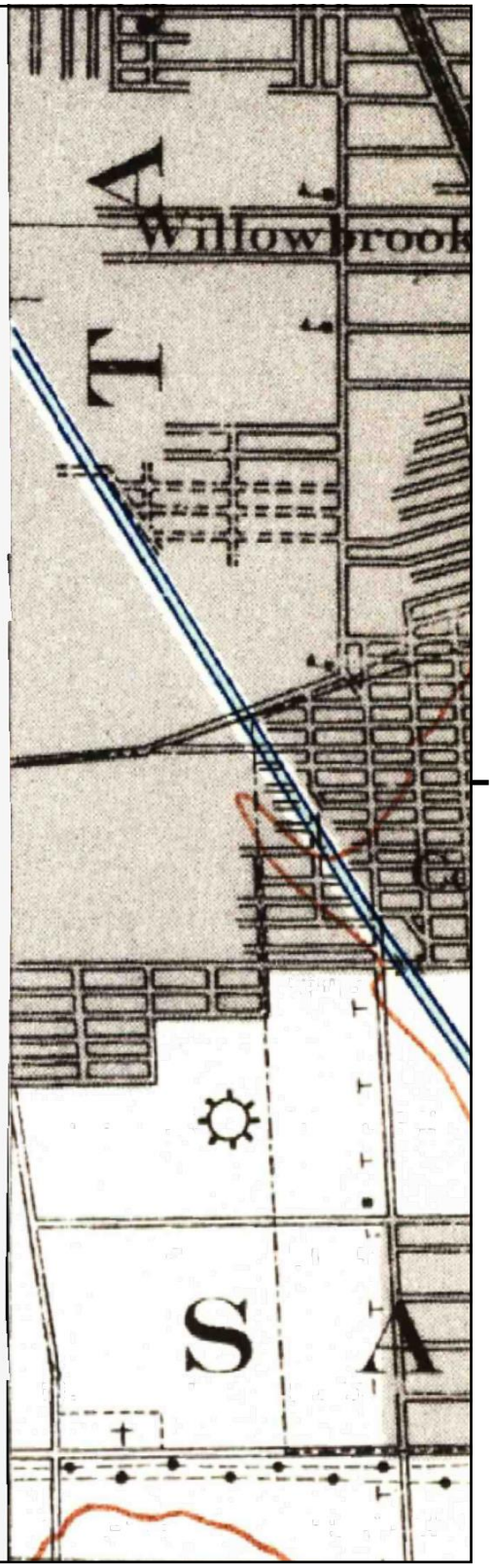
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

E, Downey, 1943, 15-minute

SITE NAME: Green Dot Public School
ADDRESS: 900 Rosecrans
Compton, CA 90220
CLIENT: Alta Environmental

N



This report includes information from the following map sheet(s).

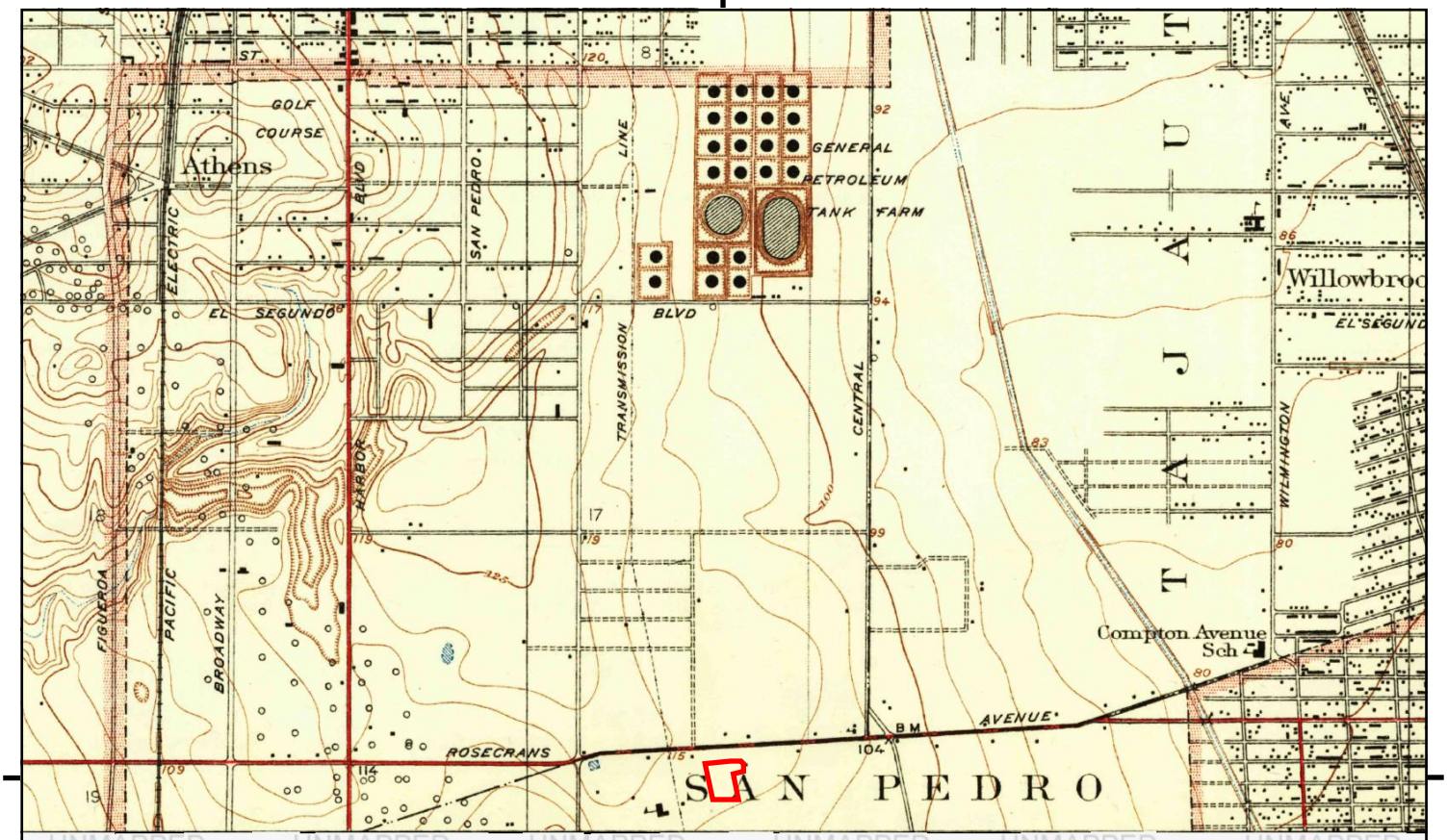
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

E, Downey, 1942, 15-minute

SITE NAME: Green Dot Public School
ADDRESS: 900 Rosecrans
Compton, CA 90220
CLIENT: Alta Environmental

N



This report includes information from the following map sheet(s).

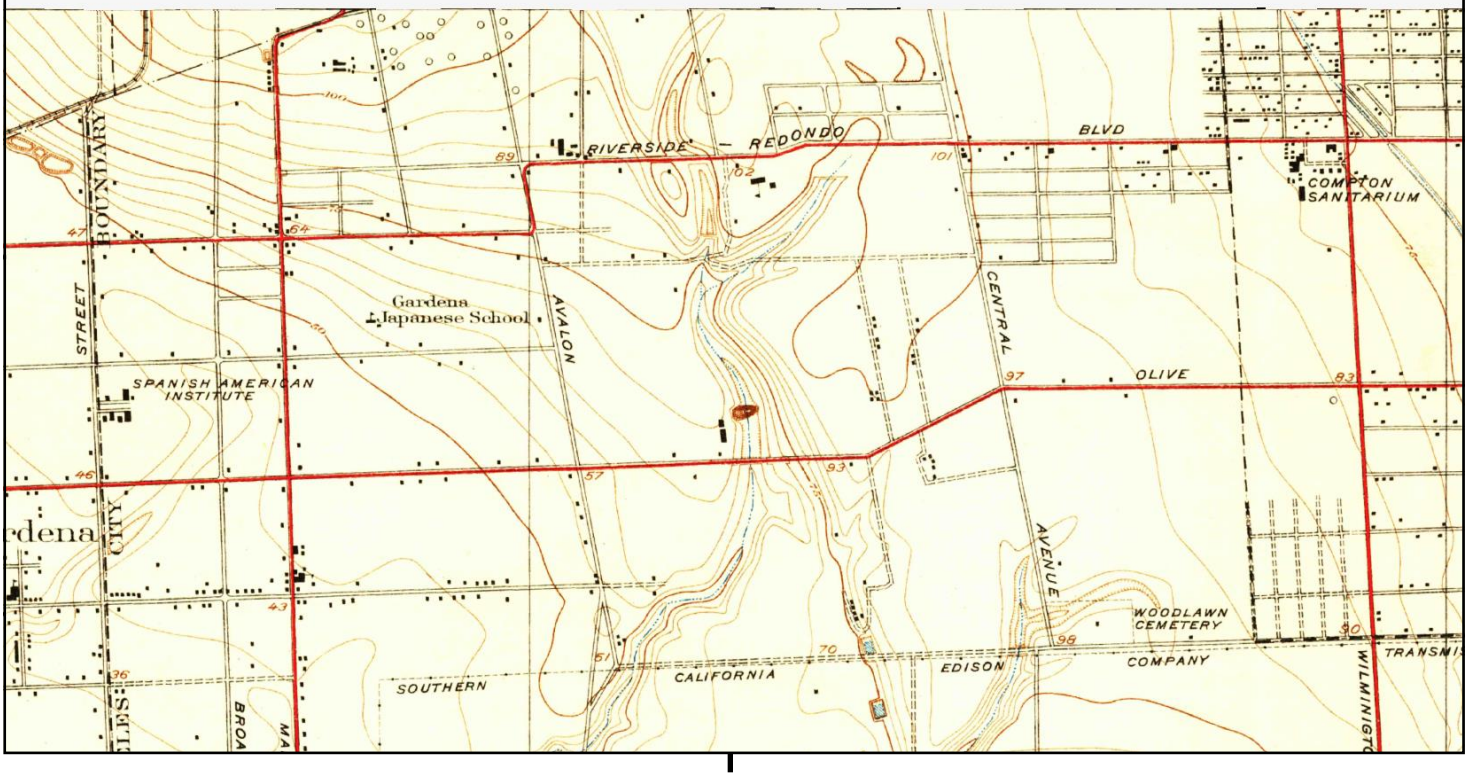
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Watts, 1937, 7.5-minute

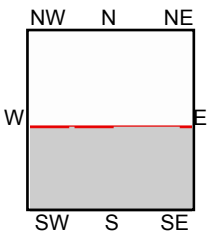
SITE NAME: Green Dot Public School
ADDRESS: 900 Rosecrans
Compton, CA 90220
CLIENT: Alta Environmental

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



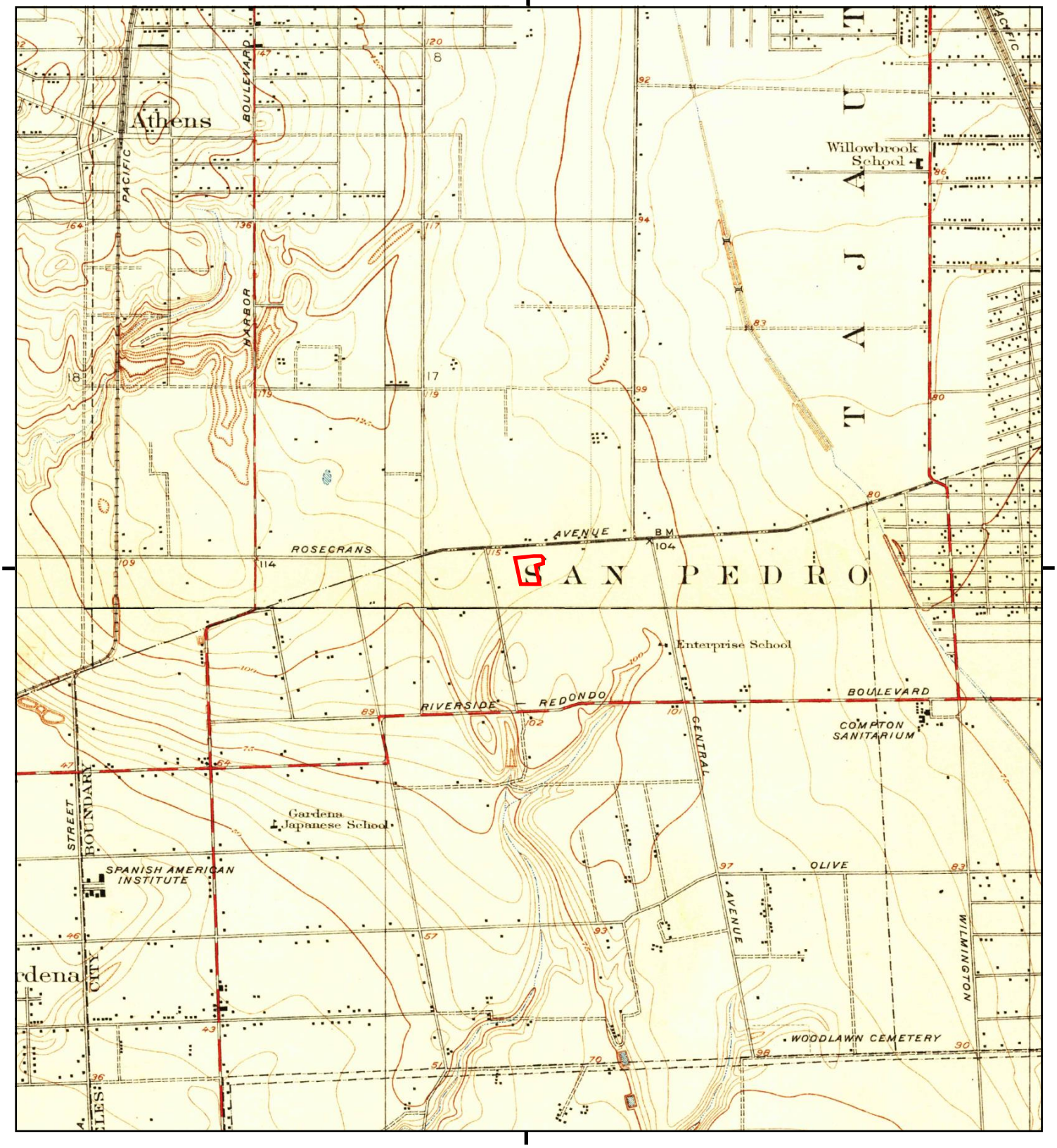
S, Compton, 1930, 7.5-minute

SITE NAME: Green Dot Public School
ADDRESS: 900 Rosecrans
Compton, CA 90220
CLIENT: Alta Environmental

N

Historical Topo Map

1924



This report includes information from the following map sheet(s).

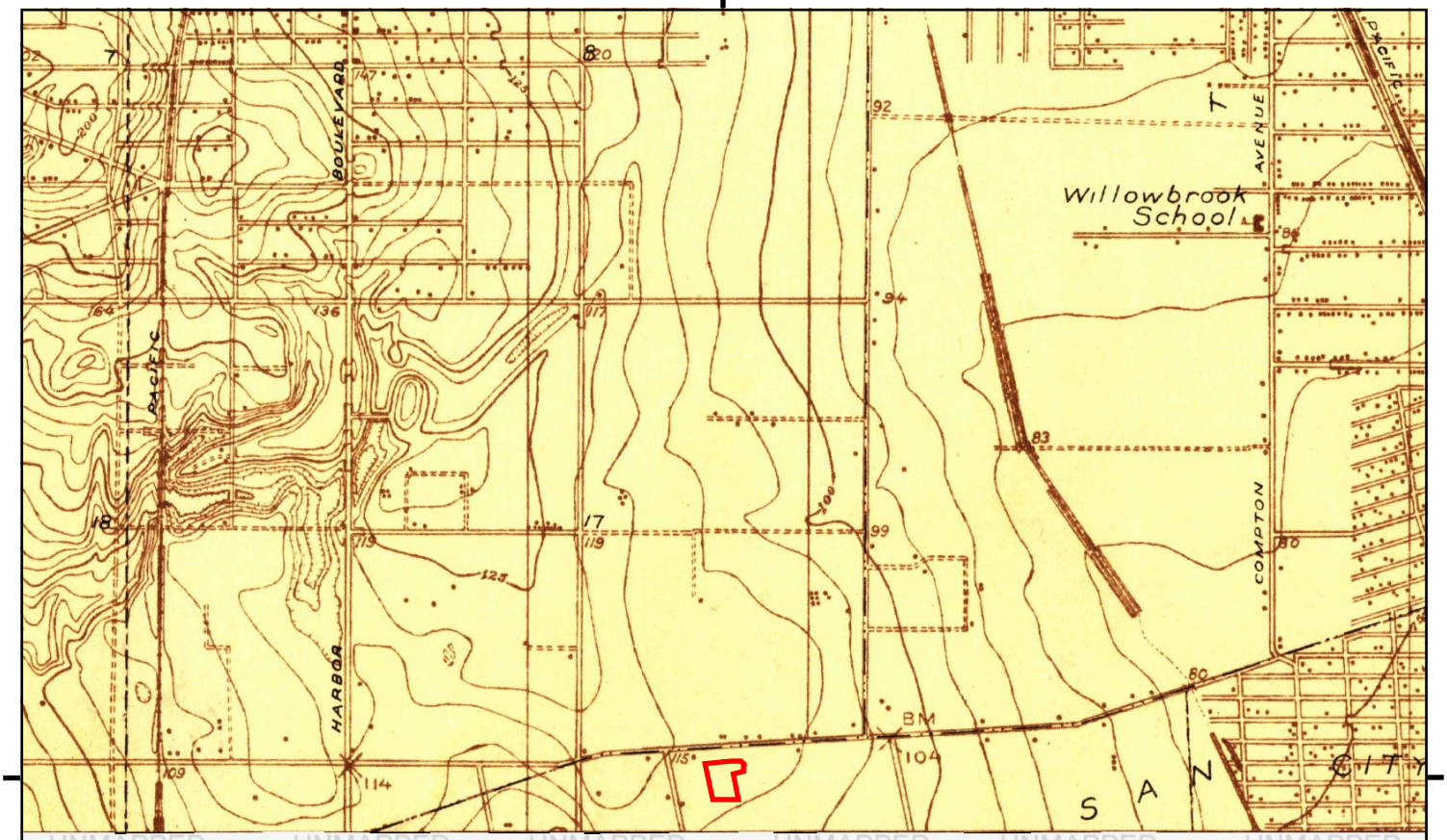
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Watts, 1924, 7.5-minute
S, Compton, 1924, 7.5-minute

SITE NAME: Green Dot Public School
ADDRESS: 900 Rosecrans
Compton, CA 90220
CLIENT: Alta Environmental

N



This report includes information from the following map sheet(s).

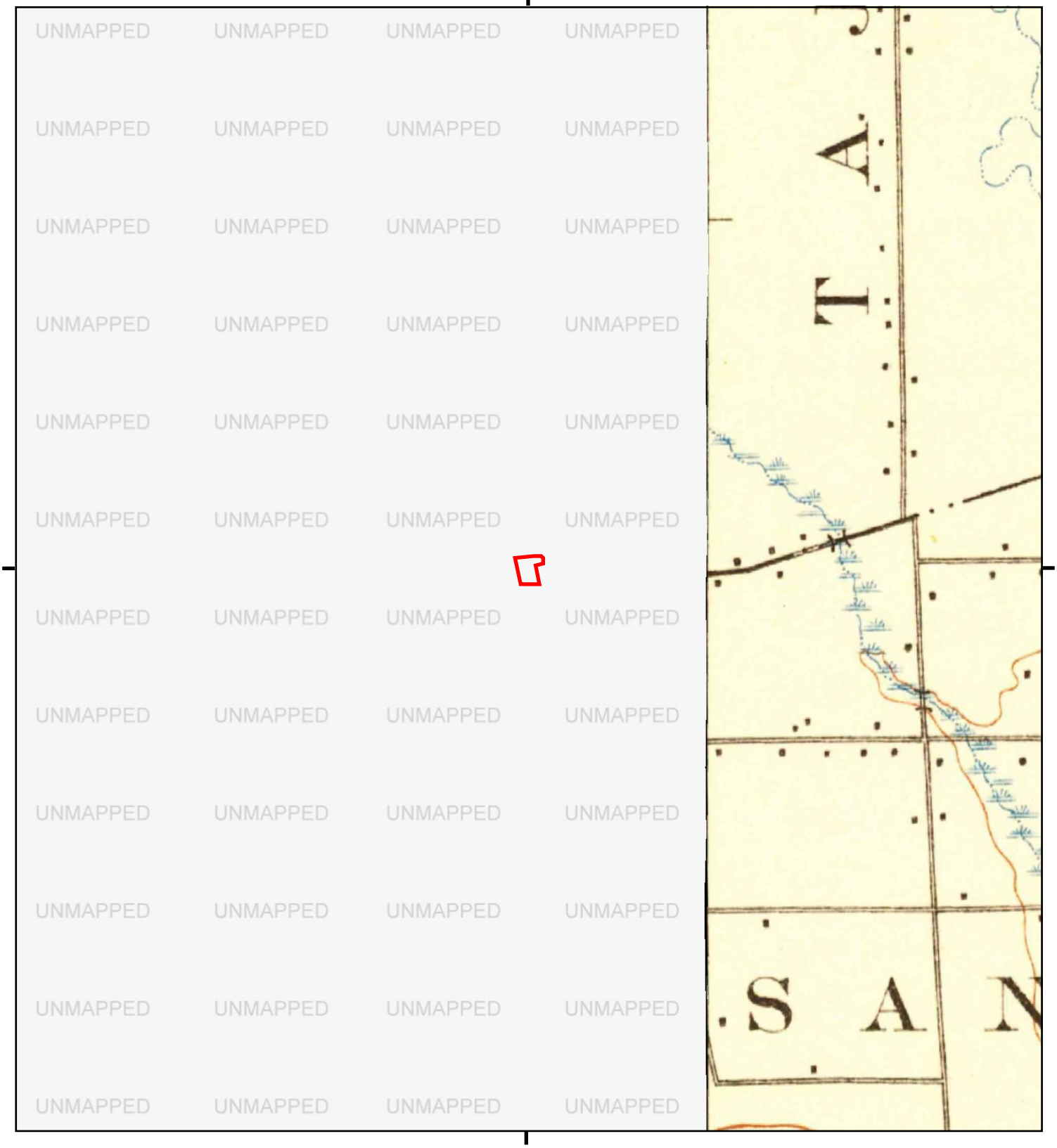
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Watts, 1923, 7.5-minute

SITE NAME: Green Dot Public School
ADDRESS: 900 Rosecrans
Compton, CA 90220
CLIENT: Alta Environmental

N



This report includes information from the following map sheet(s).

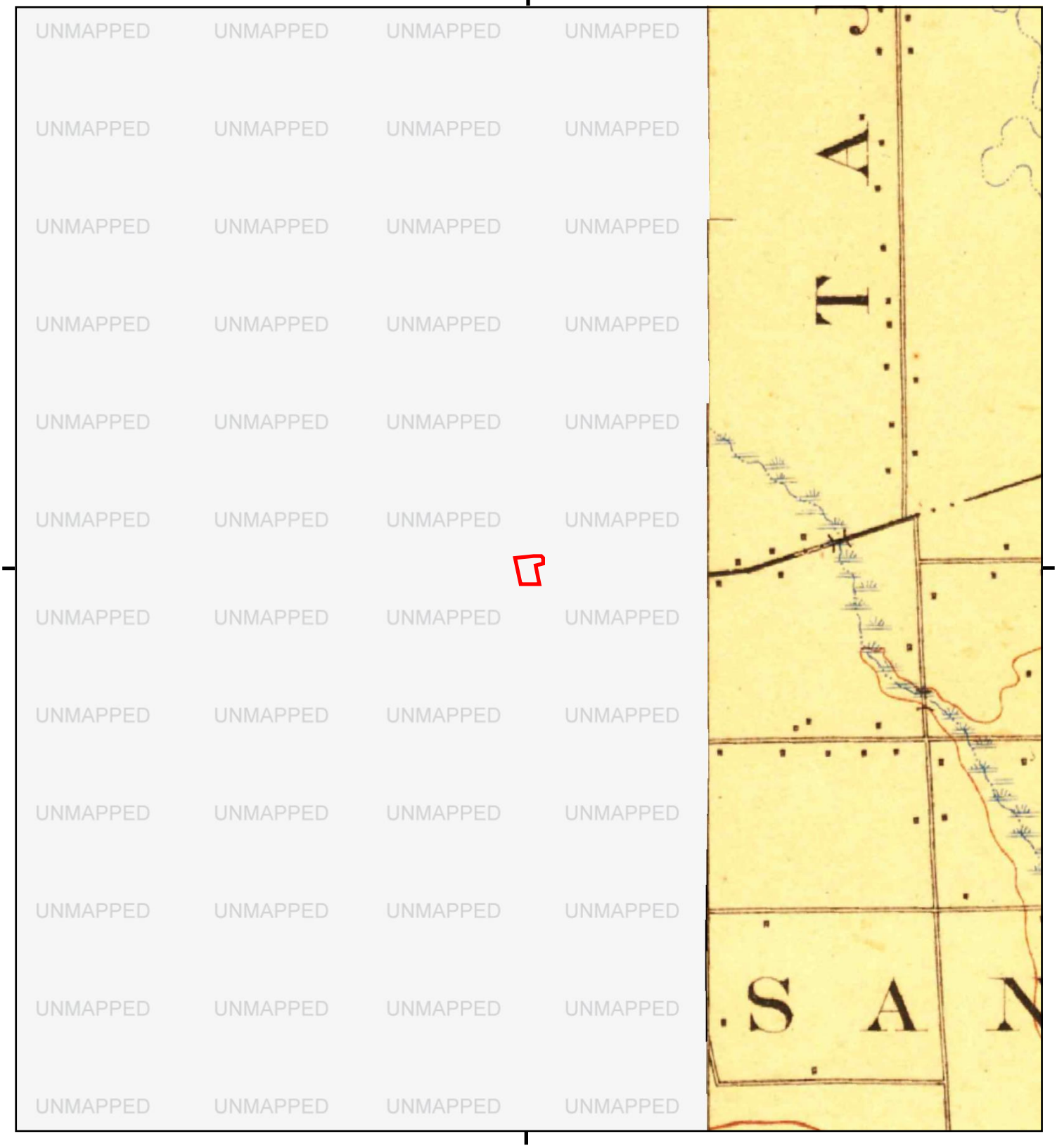
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

E, Downey, 1902, 15-minute

SITE NAME: Green Dot Public School
ADDRESS: 900 Rosecrans
Compton, CA 90220
CLIENT: Alta Environmental

N



This report includes information from the following map sheet(s).

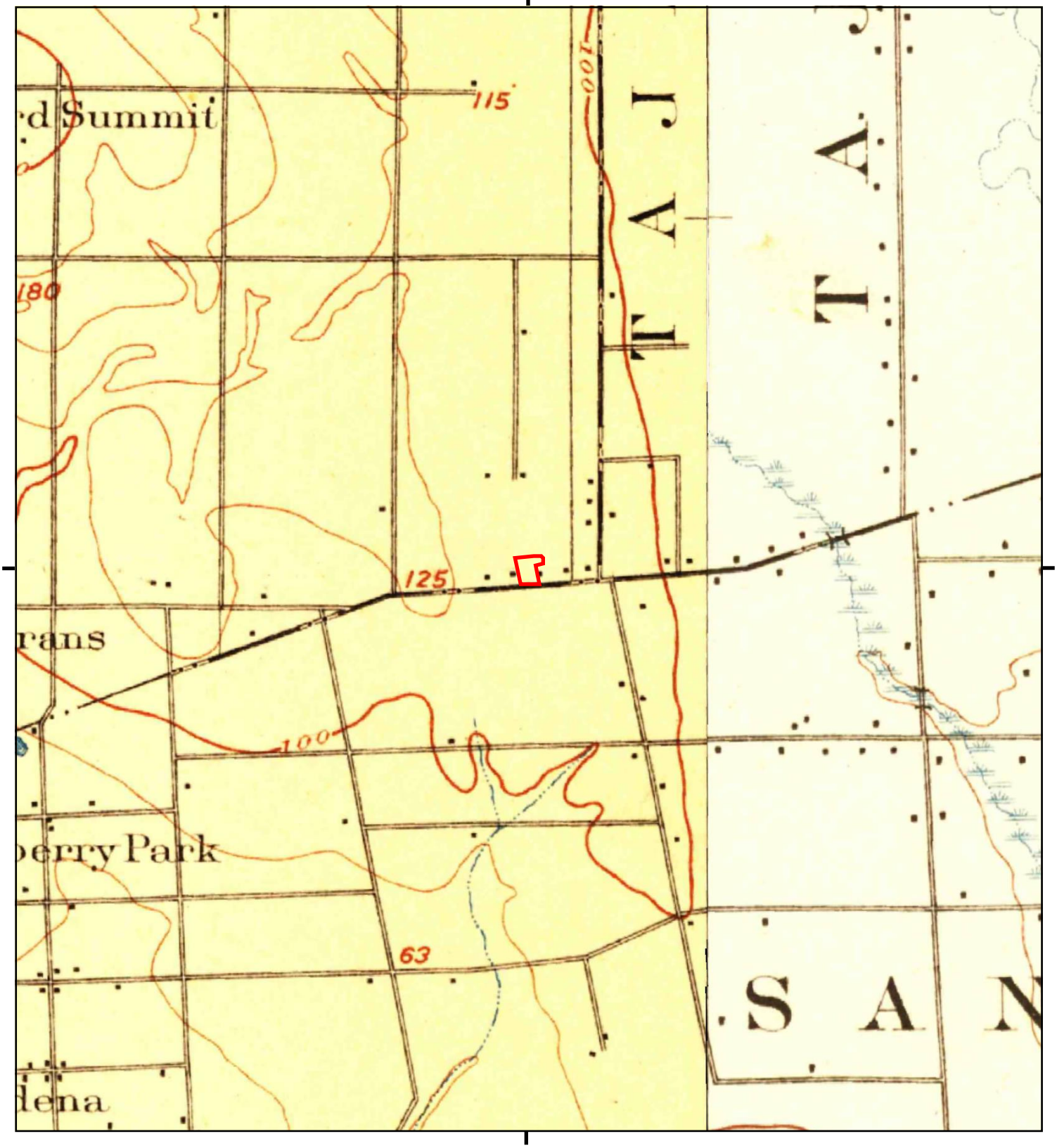
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

E, Downey, 1899, 15-minute

SITE NAME: Green Dot Public School
ADDRESS: 900 Rosecrans
Compton, CA 90220
CLIENT: Alta Environmental

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, Redondo, 1896, 15-minute
E, Downey, 1896, 15-minute

SITE NAME: Green Dot Public School
ADDRESS: 900 Rosecrans
Compton, CA 90220
CLIENT: Alta Environmental

N

Certified Sanborn® Map Report

07/23/20

Site Name:

Green Dot Public School
900 Rosecrans
Compton, CA 90220
EDR Inquiry # 6132121.3

Client Name:

Alta Environmental
3777 Long Beach Blvd
Long Beach, CA 90807-0000
Contact: Alondra Villanueva

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Alta Environmental were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # C011-419C-8FC6

PO # PCDD-20-9763

Project PCCD-20-9763

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: C011-419C-8FC6

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Alta Environmental (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Green Dot Public School
900 Rosecrans
Compton, CA 90220

Inquiry Number: 6132121.5
July 24, 2020

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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.

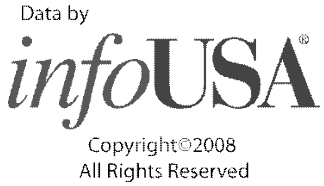
Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified 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.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.



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	Cole Information Services	-	X	X	-
2009	Cole Information Services	-	X	X	-
2006	Haines Company	-	-	-	-
2004	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
	Haines Company	-	-	-	-
	Haines Company	X	-	X	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	X	X	-
2000	Pacific Bell Telephone	-	-	-	-
1999	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1999	Haines Company	-	-	-	-
	Haines Company	X	-	X	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1994	Cole Information Services	X	X	X	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	-	-	-
1990	Pacific Bell	-	X	X	-
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	X	X	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	X	X	-
1976	Pacific Telephone	X	X	X	-
1975	Pacific Telephone	-	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	-	X	X	-
1970	Pacific Telephone	-	-	-	-
1969	Pacific Telephone	-	-	-	-
1967	R. L. Polk & Co.	-	-	-	-
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	X	X	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	X	X	-
1958	Pacific Telephone	-	X	X	-
1957	Pacific Telephone	-	X	X	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	X	X	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Pacific Directory Co.	-	X	X	-
1950	Pacific Telephone	-	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Los Angeles Directory Co.	-	-	-	-
1947	Los Angeles Directory Co.	-	X	X	-
	Pacific Directory Co.	-	X	X	-
1946	Southern California Telephone Co	-	-	-	-
1945	The Glendale Directory Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1942	Los Angeles Directory Co.	-	-	-	-
1940	Los Angeles Directory Co.	-	X	X	-
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.	-	-	-	-
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Co.	-	X	X	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	X	X	-
1927	Kaasen Directory Company Publishers	-	X	X	-
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.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
2917 W. Rosecrans	Client Entered	
815 E. Rosecrans	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

900 Rosecrans
Compton, CA 90220

FINDINGS DETAIL

Target Property research detail.

E ROSECRANS AVE

900 E ROSECRANS AVE

Year	*Uses*	*Source*
2004	REDEEMER ALTERNATIVE SCHOOL	Cole Information Services
1999	REDEEMER ALTERNATIVE SCHOOL	Cole Information Services
	REDEEMER PRESBYTERIAN CHURCH	Cole Information Services
1995	Redeemer Alternative School	Pacific Bell
	Redeemer Presbyterian Church	Pacific Bell
1994	REDEEMER ALTERNATIVE SCHOOL	Cole Information Services

ROSECRANS AVE

900 ROSECRANS AVE

Year	*Uses*	*Source*
1976	Redeemer Alternative School	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

CHESTER AVE N

801 CHESTER AVE N

Year	Uses	Source
1940	Gamble H P	Los Angeles Directory Co.

802 CHESTER AVE N

Year	Uses	Source
1940	Preuss P H	Los Angeles Directory Co.

806 CHESTER AVE N

Year	Uses	Source
1940	Caddy F E	Los Angeles Directory Co.

807 CHESTER AVE N

Year	Uses	Source
1940	Armstrong A M Mrs	Los Angeles Directory Co.
	Barr J A	Los Angeles Directory Co.

811 CHESTER AVE N

Year	Uses	Source
1940	Bigsby C M	Los Angeles Directory Co.

815 CHESTER AVE N

Year	Uses	Source
1940	Presnall D S	Los Angeles Directory Co.

E KAY ST

825 E KAY ST

Year	Uses	Source
2001	OTOSTON Sharon	Haines & Company, Inc.

920 E KAY ST

Year	Uses	Source
2001	DANIELMichael	Haines & Company, Inc.

FINDINGS

925 E KAY ST

Year	Uses	Source
2014	LETICIA ESPINOZA	Cole Information Services
2009	ALBERTO HERNANDEZ	Cole Information Services
2004	JAMES WELLS	Cole Information Services
1999	ALBERTO HERNANDEZ	Cole Information Services
1951	APalardy F J	Pacific Directory Co.
1947	Astley W H	Pacific Directory Co.
1940	Wolfe E A	Los Angeles Directory Co.

928 E KAY ST

Year	Uses	Source
2014	STEVEN HOLLINS	Cole Information Services
2009	INVESTED COMMUNITIES	Cole Information Services
	GAIL HOLLINS	Cole Information Services
2004	MICHAEL DANIEL	Cole Information Services
1999	GAIL HOLLINS	Cole Information Services
1951	AMelton W E	Pacific Directory Co.
1947	Meton W E	Pacific Directory Co.
1940	Fox E L Mrs	Los Angeles Directory Co.

929 E KAY ST

Year	Uses	Source
2014	YVONNE RODRIGUEZ	Cole Information Services
2009	YVETTE RODRIGUEZ	Cole Information Services
2004	JONATHAN LEWIS	Cole Information Services
2001	OHAMMONSLaveme	Haines & Company, Inc.
1999	YVETTE RODRIGUEZ	Cole Information Services
1964	TUPY JOHN	Pacific Telephone
1960	TUPY JOHN	Pacific Telephone
1951	AShrader Chas	Pacific Directory Co.
1947	Wedberg C O	Pacific Directory Co.
1940	Dean Carl	Los Angeles Directory Co.

931 E KAY ST

Year	Uses	Source
2014	BENNETT BOBBIE	Cole Information Services
2009	BOBBY BENNETT	Cole Information Services
2004	BOBBY BENNETT	Cole Information Services
2001	BENNETTBobbie	Haines & Company, Inc.

FINDINGS

Year	Uses	Source
1999	BOBBY BENNETT	Cole Information Services
1951	APrist Jack	Pacific Directory Co.
1947	Prist Jack	Pacific Directory Co.
1940	Prist Jack	Los Angeles Directory Co.

1002 E KAY ST

Year	Uses	Source
2014	HELIODORO ARAUX	Cole Information Services
2009	DARON DAVIS	Cole Information Services
2004	GREGORY JOHNSON	Cole Information Services
1999	DARON DAVIS	Cole Information Services
1951	AAlford G R	Pacific Directory Co.
1947	Alford G R	Pacific Directory Co.
1940	Alford G R	Los Angeles Directory Co.

E ROSECRANS AVE

681 E ROSECRANS AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

700 E ROSECRANS AVE

Year	Uses	Source
2001	BYUNS SHELL	Haines & Company, Inc.
1999	BYUNS SHELL	Cole Information Services
1995	Byuns Shell	Pacific Bell
	Byuns Shell	Pacific Bell
1994	BYUNS SHELL	Cole Information Services
1985	WAFER S SHELL	Pacific Bell

701 E ROSECRANS AVE

Year	Uses	Source
2014	JACK IN THE BOX	Cole Information Services
2009	JACK IN THE BOX	Cole Information Services
2004	JACK IN THE BOX	Cole Information Services
2001	JACK IN THE BOX	Haines & Company, Inc.
1999	JACK IN THE BOX FAMILY RESTAURANTS LOCATIONS	Cole Information Services
1995	Campton	Pacific Bell
	Jack In The Box Family Restaurants Locations	Pacific Bell

FINDINGS

Year	Uses	Source
1994	JACK IN THE BOX	Cole Information Services
1985	JACK IN THE BOX	Pacific Bell
1960	TASTEE FREEZ OF COMPTON	Pacific Telephone
1957	TASTEE FREAZ OF COMPTON	Pacific Telephone
1954	TASTEE FREEZ OF COMPTON	R. L. Polk & Co.

704 E ROSECRANS AVE

Year	Uses	Source
1964	MCCOWAN S SUPER MKT	Pacific Telephone
	MCCOWAN S MEAT DEPT	Pacific Telephone
1960	MCCOWAN S SUPER MKT	Pacific Telephone
	MCCOWAN S MEAT DEPT	Pacific Telephone
1957	SNYDER S SUPER MKT	Pacific Telephone
	NYDER S MEAT DEPT	Pacific Telephone
1954	GUNDERSEN OTIS M MEATS	R. L. Polk & Co.
	FOODMASTER	R. L. Polk & Co.
1951	Snyder Dan gro	Pacific Directory Co.
	Hogqe G D meats	Pacific Directory Co.
	Hasson M R fruits	Pacific Directory Co.
	AFood Master Mkt	Pacific Directory Co.
1950	MERRY S MKL	Pacific Telephone
	HOGGE S GLEN MKT MEATS	Pacific Telephone
1947	Snyder Dan gro	Pacific Directory Co.
	Mc Knight T H restr	Pacific Directory Co.
	Hogge G D meats	Pacific Directory Co.
	Hasson M R fruits	Pacific Directory Co.
	Coffey J W bakery	Pacific Directory Co.
	SNYDER DAN GRO	Los Angeles Directory Co.
	MCKNIGHT T H RESTR	Los Angeles Directory Co.
	HOGGE G D MEATS	Los Angeles Directory Co.
	COFFEY J W BAKERY	Los Angeles Directory Co.
	HASSON M R FRUITS	Los Angeles Directory Co.

707 E ROSECRANS AVE

Year	Uses	Source
1960	GLOBE CHEM INTERNATI INC CHEML ENGNRS	Pacific Telephone
1957	VAN S VARIETY	Pacific Telephone
1954	VAN S VARIETY	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1951	AVans Variety Store	Pacific Directory Co.
1950	IVAN S VARIETY	Pacific Telephone

709 E ROSECRANS AVE

Year	Uses	Source
1964	OFIELD SALES & ENGINEERING CO	Pacific Telephone
	OFIELD SALES & ENGINEERING CO	Pacific Telephone
1960	THIRTY THIRD DIST OF THE CALIF CONGRESS OF PARENTS & TEACHERS	Pacific Telephone
	OFIELD SALES & ENGINEERING CO	Pacific Telephone
1958	Ofield Industrial Sales & Engineering Co	Pacific Telephone
1957	THIRTY-THIRD DIST OF THE CALIF CONGRESS OF PARENTS & TEACHERS	Pacific Telephone
	OFIELD INDUSTRIAL SALES & ENGINEERING CO	Pacific Telephone
1954	HAYS H M SADER M H PUBLIC ACCOUNTANT	R. L. Polk & Co.
	LINDERMAN INS AQCY	R. L. Polk & Co.
	SADER M H PUBLIC ACCOUNTANT	R. L. Polk & Co.
1951	ASader M H acct	Pacific Directory Co.
1950	SADER M H PUBLIC ACCOUNTANT	Pacific Telephone
	CARD M R RI EST	Pacific Telephone

710 E ROSECRANS AVE

Year	Uses	Source
1975	Butcher Don W	Pacific Telephone

711 E ROSECRANS AVE

Year	Uses	Source
2014	MAY FAMILY MEDICAL CLINIC	Cole Information Services
2009	MAY FAMILY MEDICAL	Cole Information Services
	DANIEL MATEMOTJA MD	Cole Information Services
2004	TYRON REECE	Cole Information Services
2001	REECETYRONCMD	Haines & Company, Inc.
1995	B & G Fish Mkt	Pacific Bell
	P & G Fish Mkt B & G Fish Mkt	Pacific Bell
1994	J & V FISH MARKET	Cole Information Services
1985	P & G FISH MKT NO 2	Pacific Bell
1964	A-1 BUSINESS SERV	Pacific Telephone
	STARKEY ELECTRIC	Pacific Telephone

FINDINGS

Year	Uses	Source
1960	A-1 BUSINESS SERV	Pacific Telephone
1957	GOOD NEWS	Pacific Telephone
1954	OPFER & CO BUILDER & INS	R. L. Polk & Co.
	OPFER & CO RL EQT & INS	R. L. Polk & Co.
1951	Opfer & Co real est	Pacific Directory Co.
1950	OPFER & CO RI EST & INS	Pacific Telephone
1947	Opfer & Thompson real est	Pacific Directory Co.
	OPFER & THOMPSON REAL EST	Los Angeles Directory Co.

712 E ROSECRANS AVE

Year	Uses	Source
2014	LUCIA MUNOZ	Cole Information Services
2009	LUCIA MUNOZ	Cole Information Services
1999	LUCIA MUNOZ	Cole Information Services

715 E ROSECRANS AVE

Year	Uses	Source
1964	CHUCK S GARAGE	Pacific Telephone
1960	CHUCK S GARAGE	Pacific Telephone
1954	PIERCE S MACH SHOP	R. L. Polk & Co.

716 E ROSECRANS AVE

Year	Uses	Source
1975	KALAPACA JOHN	Pacific Telephone
1964	KALAPACA JOHN RL EST BRKR	Pacific Telephone
	KALAPACA JOHN	Pacific Telephone
1957	MEERS WM H	Pacific Telephone
1954	STAIR HARRY L	R. L. Polk & Co.
	STAIR NELL	R. L. Polk & Co.
1951	Stair H L real est	Pacific Directory Co.
1950	STAIR HARRY L RL EST	Pacific Telephone
1947	Stair H L	Pacific Directory Co.
1940	Patterson Doro thy Mrs	Los Angeles Directory Co.

719 E ROSECRANS AVE

Year	Uses	Source
1960	WILSON RAY SUPER SERV STN	Pacific Telephone
1957	WILSON RAY SUPER SERV STN	Pacific Telephone
1954	WILSON S RAY SUPER SERV STATION	R. L. Polk & Co.
1951	AWilson R M gas sta	Pacific Directory Co.

FINDINGS

Year	Uses	Source
1950	WILSON S RAY SUPER SERV STATION	Pacific Telephone

720 E ROSECRANS AVE

Year	Uses	Source
2014	LATHSIA HICKS	Cole Information Services
2004	IGNACIO BALCAZAR	Cole Information Services
1980	POLK WILL	Pacific Telephone
1957	BAILEY WM C	Pacific Telephone
1954	MORROW ARTHUR D	R. L. Polk & Co.
1951	ABecks Cleaners	Pacific Directory Co.
1950	SOBOL DORRIER N NEWNIRK 1-9934	Pacific Telephone
	DARRIE S CLNRS & LAUNDRY	Pacific Telephone
1947	Kammeyer H G	Pacific Directory Co.
1940	Brown Nell Mrs beauty shop	Los Angeles Directory Co.

722 E ROSECRANS AVE

Year	Uses	Source
2014	ERIN TORRES	Cole Information Services
2001	REECETYRONCMD	Haines & Company, Inc.
1985	WISEMAN BARBARA	Pacific Bell
1975	AGEE RONALD	Pacific Telephone
1960	DUGAN ROBT	Pacific Telephone
1951	Alices Permanent Wave Salon	Pacific Directory Co.
1950	ADAMS KEITH F R	Pacific Telephone
1947	Joyce J F	Pacific Directory Co.
1940	Brown H G	Los Angeles Directory Co.

728 E ROSECRANS AVE

Year	Uses	Source
2009	MIGUEL MARIA	Cole Information Services
1999	MIGUEL MARIA	Cole Information Services

771 E ROSECRANS AVE

Year	Uses	Source
1927	Whitney Calvin T Eva freighter	Kaasen Directory Company Publishers

801 E ROSECRANS AVE

Year	Uses	Source
1975	AGEE RONALD	Pacific Telephone
1964	TULLIS H I CO IHC WLDNG EQ	Pacific Telephone

FINDINGS

Year	Uses	Source
1960	TULLIS WELDING SUPPLIES	Pacific Telephone
	TULLIS H I WLDNG EQUIP	Pacific Telephone
1957	TULLIS H I WLDNG EQUIP	Pacific Telephone

803 E ROSECRANS AVE

Year	Uses	Source
2014	MULTISPECIALTY COMMUNITY CENTER	Cole Information Services
	DE NOVO HEALTH CARE INC	Cole Information Services
2009	MULTI SPECIALTY COMMUNITY CENTER	Cole Information Services
	CLARION SPEECH & LANGUAGUE SERVICES	Cole Information Services
2001	DANIELMATEMOTJA	Haines & Company, Inc.
1999	MAY FAMILY MEDICAL CLINIC	Cole Information Services
	DANIEL MATEMOTJA MD MAY FAMILY MEDICAL CLINIC	Cole Information Services
1995	May Family Medical Clinic	Pacific Bell
1994	MAYO FAMILY MEDICAL CLINIC	Cole Information Services
1986	ROSECRANS SANTA FE MEDICAL COMPTON	Pacific Bell
	THOMPSON SIDNEY E MD COMPTON	Pacific Bell
1985	ROSECRANS SANTA FE MEDICAL CLINIC INC	Pacific Bell
	THOMPSON SIDNEY E MD	Pacific Bell
1975	A-1 BUSINESS SERVICE	Pacific Telephone
1964	JAN ELECTRONICS TV RADIO PTS	Pacific Telephone
1960	JAN ELECTRONICS TV RADIO PTS	Pacific Telephone
1957	JAN ELECTRONICS TV RADIO PTS	Pacific Telephone

804 E ROSECRANS AVE

Year	Uses	Source
2014	EL PUEBLO DE DIOS	Cole Information Services
	VOLUNTEERS OF AMERICA LOS ANGELES	Cole Information Services
2009	CHARLES DREW HEAD START	Cole Information Services
2004	CHARLES DREW PROJECT HEADSTART	Cole Information Services
1999	CHARLES DREW PROJECT HEADST	Cole Information Services
1995	Iglesia San Marcos Lutheran	Pacific Bell
	Charles Drew Project Headstart	Pacific Bell
1994	CHARLES DREW HDSTRT	Cole Information Services

FINDINGS

Year	Uses	Source
1994	IGLESIA SAN MARCOS LUTHERAN	Cole Information Services
1980	LUTHERAN CHURCHES	Pacific Telephone
1960	LUTHERAN CHURCHES	Pacific Telephone
1947	FIRST LUTHERAN CHURCH	Los Angeles Directory Co.

805 E ROSECRANS AVE

Year	Uses	Source
1964	HANNAS BEAUTY SHOP	Pacific Telephone
1960	HANNA S BEAUTY SHOP	Pacific Telephone
	HEPP GEORGE P GENL CONTR	Pacific Telephone
1957	HANNA S BEAUTY SHOP	Pacific Telephone
	HEPP GEO H & SON CONTR	Pacific Telephone
1954	HEPP GEO H & SON CONTR	R. L. Polk & Co.
	HEPP HANNA BEAUTY SHOP	R. L. Polk & Co.
1951	AHepp Hanna Mrs beauty shop	Pacific Directory Co.
	Hepp G H contr	Pacific Directory Co.
1950	HEPP HANNA BEAUTY SHOP	Pacific Telephone
1947	Hepp H A Mrs bty shop	Pacific Directory Co.
	Hepp G H	Pacific Directory Co.
1940	Hepp G H bldg contr	Los Angeles Directory Co.
	Hepp Hanna Mrs beauty shop	Los Angeles Directory Co.

807 E ROSECRANS AVE

Year	Uses	Source
1975	CHAPMAN G L JERRY INS	Pacific Telephone
1964	SNAVELY BOB INS AGCY	Pacific Telephone
	MALLEY V J & ASSOCIATES	Pacific Telephone
1960	SNAVELY BOB INS AGCY	Pacific Telephone

809 E ROSECRANS AVE

Year	Uses	Source
2014	INTRA RX DRUGS	Cole Information Services
2009	INTRA DRUGS	Cole Information Services
	GOOD NEIGHBOR PHARMACY INTRA DRUG	Cole Information Services
2004	INTRA RX DRUGS	Cole Information Services
1999	INTRA RX DRUGS	Cole Information Services
1995	INTRA RX DRUG	Pacific Bell
1994	INTRA DRUGS MEDICAL PHARMACY	Cole Information Services

FINDINGS

Year	Uses	Source
1990	INTRA DRUGS MEDICAL PHARMACY COMPTON	Pacific Bell
1986	INTRA DRUGS MEDICAL PHARMACY COMPTON	Pacific Bell
1985	INTRA DRUGS MEDICAL PHARMACY	Pacific Bell
1980	INTRA DRUGS MEDICAL PHARMACY	Pacific Telephone
1975	INTRA DRUGS MEDICAL PHARMACY	Pacific Telephone
1964	DURHAM HOWE PLUMBING & APPLIANCES	Pacific Telephone
1960	DURHAM HOWE PLUMBING & APPLIANCES	Pacific Telephone

810 E ROSECRANS AVE

Year	Uses	Source
1951	Vacant	Pacific Directory Co.

811 E ROSECRANS AVE

Year	Uses	Source
1947	Birch A H real est	Pacific Directory Co.
	Perkins F M real est	Pacific Directory Co.
1940	ABirch A H real est	Los Angeles Directory Co.

812 E ROSECRANS AVE

Year	Uses	Source
2014	YARASET DIAZ	Cole Information Services
	JACK CARRILLO	Cole Information Services
2009	SHAVANNDA PORTER	Cole Information Services
2004	FREDY DERAS	Cole Information Services
	STANFORD CHILDCARE	Cole Information Services
	JUAN PEREZ	Cole Information Services
1999	SHAVANNDA PORTER	Cole Information Services
1994	BELLOWS, H	Cole Information Services
1960	AFCO TELEVISION SALES COMPTON	Pacific Telephone
1947	ROSE CLEANERS	Los Angeles Directory Co.

815 E ROSECRANS AVE

Year	Uses	Source
2001	AERO PRODUCTSCO	Haines & Company, Inc.
1980	AERO PRODUCTS CO	Pacific Telephone

FINDINGS

828 E ROSECRANS AVE

Year	Uses	Source
2014	KARL WARMSLEY	Cole Information Services
2009	KARL WARMSLEY	Cole Information Services
1999	KARL WARMSLEY	Cole Information Services
1995	Warmsley Karl J	Pacific Bell
1994	WARMSLEY, KARL	Cole Information Services
1964	MCKINNIE DELORIES	Pacific Telephone

901 E ROSECRANS AVE

Year	Uses	Source
2014	DRA EXPRESS	Cole Information Services

904 E ROSECRANS AVE

Year	Uses	Source
2014	MATA BROS GLASS SERVICE	Cole Information Services
2009	MATA BROTHERS GLASS SERVICE	Cole Information Services
2004	MATA BROTHERS GLASS SERVICE	Cole Information Services
2001	MATA BROS GLASS	Haines & Company, Inc.
1999	MATA BROTHERS GLASS SERVICE	Cole Information Services
	PERFECT FIT AUTO GLASS	Cole Information Services
1995	Phils Beauty & Barber	Pacific Bell
1994	JAMES H HALL	Cole Information Services
	PAC AUTO ELECTRIC	Cole Information Services
	HALL, JAMES H	Cole Information Services
1985	HALL JAS HENRY	Pacific Bell
1980	HALL JAS HENRY	Pacific Telephone
1975	DALMAR GLASS CO	Pacific Telephone
	DELMAR GLASS CO	Pacific Telephone
	DALMAR CONSTRUCTION CO INC	Pacific Telephone
	DALMAR GLASS CO	Pacific Telephone
1964	DALMAR GLASS CO	Pacific Telephone
	DELMAR GLASS CO	Pacific Telephone
1960	DALMAR GLASS CO	Pacific Telephone
	DELMAR GLASS CO	Pacific Telephone
	MANUFACTURERS CHEMICAL CO	Pacific Telephone
	MANUFACTURERS MIRROR & GLASS	Pacific Telephone
	MANUFACTURERS MIRROR & GLASS	Pacific Telephone
1957	DELMAR GLASS CO	Pacific Telephone
	MANUFACTURERS MIRROR & GLASS	Pacific Telephone

FINDINGS

906 E ROSECRANS AVE

Year	Uses	Source
2014	GONZALEZ MINI MART	Cole Information Services
2009	GONZALEZ MINI MART	Cole Information Services
2001	VG 1 KS DISCOUNT	Haines & Company, Inc.
1999	VICKS DISCOUNT STORE	Cole Information Services
1975	MUSIC TECHNOLOGY UNLIMITED	Pacific Telephone
1964	BARRETT WALTER O ATTY	Pacific Telephone
1960	DALMAR PAINT & WALLPAPER CO	Pacific Telephone
1958	STATE FARM MUTUAL AUTO INS CO Claim Offices	Pacific Telephone

908 E ROSECRANS AVE

Year	Uses	Source
2014	MENDEZ & JR AUTO REPAIR	Cole Information Services
2004	CARLOS TOWING & AUTO REPAIR	Cole Information Services
1999	CARLOS TOWING & AUTO REPAIR	Cole Information Services
1995	Hernandez Jose mech	Pacific Bell
	Rosecrans Auto Parts	Pacific Bell
1994	ROSECRANS AUTO PART	Cole Information Services

910 E ROSECRANS AVE

Year	Uses	Source
1960	H & W TRUCK BODY WORKS	Pacific Telephone

911 E ROSECRANS AVE

Year	Uses	Source
2014	WSS	Cole Information Services
1999	WAREHOUSE SHOE SALE	Cole Information Services
1995	Warehouse Shoe Sale	Pacific Bell
	Compton	Pacific Bell

912 E ROSECRANS AVE

Year	Uses	Source
2014	ERNESTO APPLIANCE	Cole Information Services
2009	ERNESTO APPLIANCE	Cole Information Services
2004	ERNESTO APPLIANCE	Cole Information Services
1999	ERNESTO APPLIANCE	Cole Information Services
1995	Ernesto Appliance	Pacific Bell
1994	ERNESTO APPLIANCE	Cole Information Services

FINDINGS

925 E ROSECRANS AVE

Year	Uses	Source
2014	FIRST CHARITY BAPTIST CHURCH	Cole Information Services
2004	FIRST CHARITY INC	Cole Information Services
2001	FIRST CHARITY	Haines & Company, Inc.
1999	FIRST CHARITY BAPTIST CHURCH	Cole Information Services
1995	First Charity Baptist Church	Pacific Bell
1994	FIRST CHARITY BAPTIST CHURCH	Cole Information Services
1985	FIRST CHARITY BAPTIST CHURCH	Pacific Bell
1980	GOSPEL HAVEN CHURCH	Pacific Telephone
1975	GOSPEL HAVEN CHURCH	Pacific Telephone
1964	GOSPEL HAVEN CHURCH	Pacific Telephone
1960	GOSPEL HAVEN CHURCH	Pacific Telephone
1957	GOSPEL HAVEN CHURCH	Pacific Telephone
1954	GOSPEL HAVEN CHURCH	R. L. Polk & Co.

929 E ROSECRANS AVE

Year	Uses	Source
1957	HINMAN S B MID CITY MAGNESITE FLOORING CO	Pacific Telephone
	MID CITY MAGNESITE FLOORING CO	Pacific Telephone

931 E ROSECRANS AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services
1995	Fecketter Bruno	Pacific Bell
1994	FECKETTER, BRUNO	Cole Information Services

933 E ROSECRANS AVE

Year	Uses	Source
2009	FLOWER GIRLS DRESSES & ACC	Cole Information Services
2004	FLOWER GIRLS DRESSES & ACSRY	Cole Information Services
1999	MUEBLERIA CABELLO	Cole Information Services
1994	MARYS THRIFT STORE	Cole Information Services

935 E ROSECRANS AVE

Year	Uses	Source
2014	IVETTE FLORES	Cole Information Services
2001	XXXX	Haines & Company, Inc.
1995	Perez Angel R	Pacific Bell
1957	CORLEY CHAS L	Pacific Telephone

FINDINGS

Year	Uses	Source
1954	GRIFFITH ELIZABETH E	R. L. Polk & Co.
1951	Mc Gee Jerry gro	Pacific Directory Co.
1947	frozen foods	Pacific Directory Co.
	Arnold 0 W	Pacific Directory Co.

937 E ROSECRANS AVE

Year	Uses	Source
2001	r TACODEOROEL	Haines & Company, Inc.
1994	TROPICANA RESTAURANT	Cole Information Services
1985	TROPICANA RESTAURANT	Pacific Bell
1975	DOLL S HOUSE OF SOUL	Pacific Telephone
1964	ROGGY JOE R	Pacific Telephone
1954	RANDALL JAS C	R. L. Polk & Co.
1951	Yaffe R E Mrs restr	Pacific Directory Co.
	Yaffe Meyer	Pacific Directory Co.
1947	Danforth F E repr shop	Pacific Directory Co.

939 E ROSECRANS AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	BUTLER DAVID L	Pacific Bell

1000 E ROSECRANS AVE

Year	Uses	Source
2014	PAGEANT REALTY OF COMPTON	Cole Information Services
2001	PAGEANT REALTY CO	Haines & Company, Inc.
1999	PAGEANT REALTY COMPANY OF COMPTON	Cole Information Services
1995	Pageant Realty Co Of Compton	Pacific Bell
1994	PAGEANT REALTY CO	Cole Information Services
1985	PAGEANT REALTY CO OF COMPTON	Pacific Bell
1980	PAGEANT REALTY CO OF COMPTON	Pacific Telephone
1975	PAGEANT REALTY CO OF COMPTON	Pacific Telephone
1964	ROCKET REALTY	Pacific Telephone
1960	HALL REALTY CO	Pacific Telephone
1957	HALL REALTY CO	Pacific Telephone
1954	HALL REALTY CO	R. L. Polk & Co.

FINDINGS

1001 E ROSECRANS AVE

Year	Uses	Source
2014	REED CHRISTIAN COLLEGE	Cole Information Services
2009	REED CHRISTIAN COLLEGE INC	Cole Information Services
2004	REED CHRISTIAN COLLEGE	Cole Information Services
	CHRISTIAN REED	Cole Information Services
2001	GREATERLIGHTHSE	Haines & Company, Inc.
1999	GREATER LIGHTHOUSE CHURCH OF GOD IN CHRIST	Cole Information Services
	REED CHRISTIAN COLLEGE	Cole Information Services
1995	Reed Christian College	Pacific Bell
	Greater Lighthouse Church Of God In Christ	Pacific Bell
1994	GREATER LIGHTHSE CH	Cole Information Services
	REED CHRISTIAN COLLEGE	Cole Information Services
1985	REED CHRISTIAN COLLEGE	Pacific Bell
1964	COMPTON COUNSELING SERV INC	Pacific Telephone
1960	COMPTON COUNSELING SERV INC	Pacific Telephone
1957	COMPTON COUNSELING SERV INC	Pacific Telephone

1004 E ROSECRANS AVE

Year	Uses	Source
2014	MAGDALENA FIGUEROA	Cole Information Services
	ALVIN ADAMS	Cole Information Services
	DIANA CLEMONS	Cole Information Services
	GERARDO GALVAN	Cole Information Services
	GERGORY JACKSON	Cole Information Services
	DOROTHY LOVE	Cole Information Services
	FELICIA WALKER	Cole Information Services
2009	WANDA JACKSONHUNTER	Cole Information Services
	DOROTHY LOVE	Cole Information Services
	FELICIA WALKER	Cole Information Services
	MAGDALENA FIGUEROA	Cole Information Services
	BILLY HULL	Cole Information Services
	PHYLLIS TAYLOR	Cole Information Services
	DIANA CLEMONS	Cole Information Services
	ALVIN ADAMS	Cole Information Services
	CLAUDIA FIGUEROA	Cole Information Services
2004	ALVIN ADAMS	Cole Information Services
	DIANA CLEMONS	Cole Information Services

FINDINGS

Year	Uses	Source
2004	MARTHA CHAVEZ	Cole Information Services
	BENJAMIN GREEN	Cole Information Services
	K CRAIG	Cole Information Services
	DARLENE ELDER	Cole Information Services
	BILLY HULL	Cole Information Services
2001	COOKElrah Jr	Haines & Company, Inc.
1999	FELICIA WALKER	Cole Information Services
	DOROTHY LOVE	Cole Information Services
	CLAUDIA FIGUEROA	Cole Information Services
	PHYLLIS TAYLOR	Cole Information Services
	MAGDALENA FIGUEROA	Cole Information Services
	ALVIN ADAMS	Cole Information Services
	BILLY HULL	Cole Information Services
	WANDA JACKSONHUNTER	Cole Information Services
	DIANA CLEMONS	Cole Information Services
1995	Davis Herbert	Pacific Bell
	Mitchell Liller	Pacific Bell
1994	DAVIS, HERBERT	Cole Information Services
1975	HALL S	Pacific Telephone
	BROWN CHAS	Pacific Telephone
	BROWN SUZANNE	Pacific Telephone
	GRIMES INGRID	Pacific Telephone
1964	COURSEY JOYCE	Pacific Telephone
	MCKAY HUBERT H	Pacific Telephone
	MERRELL ALLEN	Pacific Telephone
	PHILIPSON JAS	Pacific Telephone
	PHINNEY FREDERICK F	Pacific Telephone
	WRIGHT ERNEST E	Pacific Telephone

1011 E ROSECRANS AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	DOUBLE D STYLES	Pacific Bell
1975	LOS ANGELES HEALTH FOUNDATION	Pacific Telephone
	HEALTH APPLICATION SYSTEMS	Pacific Telephone

1014 E ROSECRANS AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

FINDINGS

Year	Uses	Source
1994	M STAR GAS STATION	Cole Information Services
1980	L & M OIL CO	Pacific Telephone
1960	SAVINGS OIL CO OF COMPTON	Pacific Telephone
1957	AVONGS OIL CO OF COMPTON	Pacific Telephone

1016 E ROSECRANS AVE

Year	Uses	Source
2014	HOLY CHAPEL MISSIONARY BAPTIST CHURC	Cole Information Services
2009	HOLY CHPEL MISSIONARR BAPTIST C	Cole Information Services
1999	HOLY CHAPEL MISSIONARY BAPTIST CHURCH	Cole Information Services
1995	Holy Chapel Baptist Church	Pacific Bell
1994	HOLY CHAPEL BAPTIST CHURCH	Cole Information Services
1964	LANDER S LABS	Pacific Telephone

1052 E ROSECRANS AVE

Year	Uses	Source
1957	DICHMAN S VARIETY STORE	Pacific Telephone

709 1/2 E ROSECRANS AVE

Year	Uses	Source
1950	COMPTON DRAFTING SERV	Pacific Telephone
	MAGNUSON GORDON S CIV ENGNR	Pacific Telephone

711 1/2 E ROSECRANS AVE

Year	Uses	Source
1950	KING S GARAGE	Pacific Telephone

906 1/2 E ROSECRANS AVE

Year	Uses	Source
1964	COMPTON AUTO BODY	Pacific Telephone

E. Rosecrans

815 E. Rosecrans

Year	Uses	Source
2001	AERO PRODUCTSCO	Haines & Company, Inc.
1980	AERO PRODUCTS CO	Pacific Telephone

FINDINGS

KAY

1002 KAY

Year	Uses	Source
1986	BROWN ROY PAUL COMPTON	Pacific Bell
1981	BROWN ROY PAUL COMPTON	Pacific Telephone
1971	Brown Roy Paul	Pacific Telephone

KAY ST

925 KAY ST

Year	Uses	Source
1985	WHITTENBERG RUTH	Pacific Bell
1964	PALARDY FRED J	Pacific Telephone
1960	PALARDY FRED J	Pacific Telephone
1957	PATARDY FRED J	Pacific Telephone
1954	PALARDY FRED J R	R. L. Polk & Co.
1950	PALARDY FRED J R	Pacific Telephone

928 KAY ST

Year	Uses	Source
1985	SIMON FRANK & SHIRLEY	Pacific Bell
1964	MELTON W E	Pacific Telephone
1960	MELTON W E	Pacific Telephone
1957	MELTON W E	Pacific Telephone
1954	AELTON W E R	R. L. Polk & Co.
1950	MELTON W ER	Pacific Telephone

929 KAY ST

Year	Uses	Source
1957	SHIADER MILDRED M	Pacific Telephone
1954	SHRADER MILDRED M	R. L. Polk & Co.
1950	SHRACLER MILDRED M R	Pacific Telephone

931 KAY ST

Year	Uses	Source
1964	PRIST JACK	Pacific Telephone
1960	PRIST JACK	Pacific Telephone
1957	PRISK JACK	Pacific Telephone
1950	PRIST JACK R	Pacific Telephone

FINDINGS

1002 KAY ST

Year	Uses	Source
1985	BROWN ROY PAUL	Pacific Bell
1980	BROWN ROY PAUL	Pacific Telephone
1976	Brown Roy Paul	Pacific Telephone
1975	BROWN ROY PAUL	Pacific Telephone
1960	ALFORD G R	Pacific Telephone
1957	ALFORD G R	Pacific Telephone
1954	ALFORD G R R	R. L. Polk & Co.
1950	ALFORD G R R	Pacific Telephone

1003 KAY ST

Year	Uses	Source
1957	CHEEVER CARL D	Pacific Telephone
1954	CHEEVER CARL D R	R. L. Polk & Co.
1950	CHEEVER CARL D R	Pacific Telephone

1006 KAY ST

Year	Uses	Source
1964	MAY CLAUDE W	Pacific Telephone
1960	MAY CLAUDE W	Pacific Telephone
1957	MAY CLAUDE W	Pacific Telephone
1954	MAY CLAUDE W R	R. L. Polk & Co.
1950	MAY CLAUDE W R	Pacific Telephone

1007 KAY ST

Year	Uses	Source
1975	PILLING G H	Pacific Telephone
1964	PILLING G H	Pacific Telephone
1960	PILLING G H	Pacific Telephone
1957	PILL G H	Pacific Telephone
1954	PILLING G H R	R. L. Polk & Co.
1950	PILLING G H R	Pacific Telephone

MAYO AVE N

902 MAYO AVE N

Year	Uses	Source
1951	AKirkham C L	Pacific Directory Co.
1940	Kirkhaxn C L	Los Angeles Directory Co.

FINDINGS

904 MAYO AVE N

Year	Uses	Source
1951	ASorenson Launts	Pacific Directory Co.
1940	ASchlenker C	Los Angeles Directory Co.

910 MAYO AVE N

Year	Uses	Source
1951	AMarriott H W	Pacific Directory Co.
1940	Mc Peak G R	Los Angeles Directory Co.

914 MAYO AVE N

Year	Uses	Source
1951	ACrawford T J Rev	Pacific Directory Co.
1940	Bachman M S	Los Angeles Directory Co.

915 MAYO AVE N

Year	Uses	Source
1951	AAugusta A Mayo Sch	Pacific Directory Co.
1940	Mayo Augusta A School	Los Angeles Directory Co.

918 MAYO AVE N

Year	Uses	Source
1951	Givens W H	Pacific Directory Co.
1940	Miller L D	Los Angeles Directory Co.
1928	Dorey H E	Los Angeles Directory Co.

922 MAYO AVE N

Year	Uses	Source
1951	Vacant	Pacific Directory Co.
1940	Mansky F P	Los Angeles Directory Co.

1000 MAYO AVE N

Year	Uses	Source
1951	OOADanforth F E	Pacific Directory Co.
1940	Kesterson T J	Los Angeles Directory Co.
1928	Vacant	Los Angeles Directory Co.

1006 MAYO AVE N

Year	Uses	Source
1951	AThomas M C	Pacific Directory Co.
1940	Lovell E H Mrs	Los Angeles Directory Co.

FINDINGS

1010 MAYO AVE N

Year	Uses	Source
1951	ADietz W H Mrs	Pacific Directory Co.
1940	Dietz Arth	Los Angeles Directory Co.

N CHESTER AVE

801 N CHESTER AVE

Year	Uses	Source
2014	JERRYLYN JOHNSON	Cole Information Services
2009	JERRYLYN JOHNSON	Cole Information Services
2004	PEARL ESTRADA	Cole Information Services
2001	ALFONZODennise Mane	Haines & Company, Inc.
1999	JERRYLYN JOHNSON	Cole Information Services
1976	Wimberly Debra	Pacific Telephone
1951	Stubba F B R9	Pacific Directory Co.
1947	Gamble H P	Pacific Directory Co.

802 N CHESTER AVE

Year	Uses	Source
2014	JACINTO MEDINA	Cole Information Services
2009	JACINTO MEDINA	Cole Information Services
2004	LORI LANG	Cole Information Services
2001	LANGLoll	Haines & Company, Inc.
1999	JACINTO MEDINA	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1951	LColcure Arlie Mrs	Pacific Directory Co.
1947	Fultz G A	Pacific Directory Co.
1931	Wright Jess	Los Angeles Directory Co.
1928	mil 3 C	Los Angeles Directory Co.

806 N CHESTER AVE

Year	Uses	Source
2014	HECTOR MARIN	Cole Information Services
2009	ROY ELDER	Cole Information Services
2004	ROY ELDER	Cole Information Services
2001	ELDERRoy	Haines & Company, Inc.
1999	ROY ELDER	Cole Information Services
1995	Elder Roy Jr	Pacific Bell
1994	ELDER, ROY JR	Cole Information Services

FINDINGS

Year	Uses	Source
1951	ATylcr H H S	Pacific Directory Co.
1947	Tvler H H	Pacific Directory Co.
1928	bomro Harry Md cantr	Los Angeles Directory Co.

807 N CHESTER AVE

Year	Uses	Source
2014	LARRY CAMPBELL	Cole Information Services
2009	LARRY CAMPBELL	Cole Information Services
2004	LARRY CAMPBELL	Cole Information Services
2001	CAMPBELLLar ly	Haines & Company, Inc.
1999	LARRY CAMPBELL	Cole Information Services
1951	Ekckr A M R9	Pacific Directory Co.
1947	Kaddy F E	Pacific Directory Co.
1931	Snydar E S	Los Angeles Directory Co.

808 N CHESTER AVE

Year	Uses	Source
2014	PATSY HALL	Cole Information Services
2009	PATSY HALL	Cole Information Services
2004	PATSY HALL	Cole Information Services
2001	HALLPalsy	Haines & Company, Inc.
1999	PATSY HALL	Cole Information Services
1951	Surrvn L D	Pacific Directory Co.

811 N CHESTER AVE

Year	Uses	Source
2014	CARLA PLAYER	Cole Information Services
2009	CARLA PLAYER	Cole Information Services
2004	CARLA PLAYER	Cole Information Services
2001	SPLAYER Carla	Haines & Company, Inc.
1999	CARLA PLAYER	Cole Information Services
1951	Smith C	Pacific Directory Co.
1947	Smith CO	Pacific Directory Co.
1931	Bigsby C M	Los Angeles Directory Co.
1928	ltigsby C	Los Angeles Directory Co.

812 N CHESTER AVE

Year	Uses	Source
2014	GARY CROSBY	Cole Information Services
	JACQUELINE HANZY	Cole Information Services

Year	Uses	Source
2009	JACQUELINE HANZY	Cole Information Services
2004	MARIA HULTRON	Cole Information Services
	VINCE MORA	Cole Information Services
	CARLOS MENDOZA	Cole Information Services
1999	JACQUELINE HANZY	Cole Information Services

814 N CHESTER AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	BRANDY DEJURNETT	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
2001	XXXX	Haines & Company, Inc.
1999	BRANDY DEJURNETT	Cole Information Services

815 N CHESTER AVE

Year	Uses	Source
2009	BENITA POLANCO	Cole Information Services
2004	RENE GARCIA	Cole Information Services
	BENITA POLANCO	Cole Information Services
2001	OGARCIARene	Haines & Company, Inc.
1999	BENITA POLANCO	Cole Information Services
1976	Crawford Dennie	Pacific Telephone
1951	AWright L R	Pacific Directory Co.
1947	Wright L R	Pacific Directory Co.
1931	Selleek W M	Los Angeles Directory Co.

900 N CHESTER AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

902 N CHESTER AVE

Year	Uses	Source
2014	MARIO MAGANA	Cole Information Services
2009	FRANCISCO GOMEZ	Cole Information Services
2004	MARIO MAGANA	Cole Information Services
2001	GOMEZYolanda	Haines & Company, Inc.
1999	FRANCISCO GOMEZ	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1995	Gomez Yolanda	Pacific Bell
	Gomez Maricela	Pacific Bell

FINDINGS

Year	Uses	Source
1994	GOMEZ, YOLANDA	Cole Information Services
1951	Reonrsr M Mrs	Pacific Directory Co.
1947	Rogers Mamie	Pacific Directory Co.
1931	Manahan W F	Los Angeles Directory Co.
1928	SIke H	Los Angeles Directory Co.

903 N CHESTER AVE

Year	Uses	Source
2014	A DAVIS	Cole Information Services
	BARBARA LINDSEY	Cole Information Services
2009	A DAVIS	Cole Information Services
	BARBARA HOPKINS	Cole Information Services
2004	BARBARA HOPKINS	Cole Information Services
2001	HOPK 1 NS Sandy	Haines & Company, Inc.
1999	BARBARA HOPKINS	Cole Information Services
	A DAVIS	Cole Information Services
1994	DAVIS, C	Cole Information Services
1951	ATiomn R P	Pacific Directory Co.
1947	Thomas R R	Pacific Directory Co.

906 N CHESTER AVE

Year	Uses	Source
2014	LUIS BARAHONA	Cole Information Services
2009	NERY DIAZ	Cole Information Services
2004	PILAR MORENO	Cole Information Services
2001	RONOUILLO	Haines & Company, Inc.
1999	BERTHA MARTINEZ	Cole Information Services
	MANUEL RONQUILLO	Cole Information Services
	NERY DIAZ	Cole Information Services
1995	Lozano S	Pacific Bell
	Ramirez Maria	Pacific Bell
1951	Smith W J	Pacific Directory Co.
1947	Smith W J	Pacific Directory Co.
1931	Olsen Clarence	Los Angeles Directory Co.
1928	OQBlsyr W X	Los Angeles Directory Co.

907 N CHESTER AVE

Year	Uses	Source
2014	JAIME REYES	Cole Information Services

FINDINGS

Year	Uses	Source
2009	MARK JAMES	Cole Information Services
2004	MARK JAMES	Cole Information Services
2001	IJAMESMark	Haines & Company, Inc.
1999	MARK JAMES	Cole Information Services
	C MALLETT	Cole Information Services
1994	MALLETT, C	Cole Information Services
1986	MALLETT C COMPTON	Pacific Bell
1981	MALLETT C COMPTON	Pacific Telephone
1976	Mallett C	Pacific Telephone
1951	Tcnenriiuirm Jes	Pacific Directory Co.
1947	Laube W L	Pacific Directory Co.

908 N CHESTER AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

909 N CHESTER AVE

Year	Uses	Source
2014	ROLAND ESCOBAR	Cole Information Services
2009	ROLAND ESCOBAR	Cole Information Services
2004	MELVIN KELLY	Cole Information Services
2001	SCOOPER Dorelha	Haines & Company, Inc.
1999	OCCUPANT UNKNOWN	Cole Information Services
	ROLAND ESCOBAR	Cole Information Services
1981	MALLETT ANNIE COMPTON	Pacific Telephone

910 N CHESTER AVE

Year	Uses	Source
2014	SANDY MILES	Cole Information Services
2009	SANDY MILES	Cole Information Services
2004	SANDY MILES	Cole Information Services
2001	MILESSandy	Haines & Company, Inc.
1999	SANDY MILES	Cole Information Services
1951	AKreiti Kamp L H	Pacific Directory Co.
1947	Stone J M Mrs	Pacific Directory Co.
1931	Kruikanap Linton	Los Angeles Directory Co.

911 N CHESTER AVE

Year	Uses	Source
2014	EDUVIGES ALCANTAR	Cole Information Services

FINDINGS

Year	Uses	Source
2009	EDUVIGES ALCANTAR	Cole Information Services
2004	LAMB OF GOD	Cole Information Services
	OMNI MINISTRIES	Cole Information Services
	REBECCA BUCK	Cole Information Services
2001	XXXX	Haines & Company, Inc.
1999	EDUVIGES ALCANTAR	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1995	Thomas Rebecca	Pacific Bell
	Cooper Doretha	Pacific Bell
1994	THOMAS, REBECCA	Cole Information Services
1951	J iriuiys Dorothy	Pacific Directory Co.
	ACh Rai Pr M L Mrs	Pacific Directory Co.
1947	Farnsley Leona	Pacific Directory Co.
1931	Schultz T P	Los Angeles Directory Co.

914 N CHESTER AVE

Year	Uses	Source
2009	GERARDO GONZALEZ	Cole Information Services
2004	ROSA LOPEZ	Cole Information Services
2001	GARIBAY M	Haines & Company, Inc.
1999	GERARDO GONZALEZ	Cole Information Services
1995	Garibay Manuel	Pacific Bell
1994	CORONADO, ALFREDO	Cole Information Services
1951	Alan We F F Rev	Pacific Directory Co.
1947	Hurst W W	Pacific Directory Co.
1931	Lewis Edw	Los Angeles Directory Co.

915 N CHESTER AVE

Year	Uses	Source
2014	JOSE ORTEGA	Cole Information Services
2009	JESUS MORALES	Cole Information Services
2004	JOSE ORTEGA	Cole Information Services
2001	SRUIZPedro	Haines & Company, Inc.
1999	JESUS MORALES	Cole Information Services
1994	RUIZ, JOSE L	Cole Information Services
1951	SACarroil I 6 G	Pacific Directory Co.
1947	Gaul J A	Pacific Directory Co.
1931	Merritt A B	Los Angeles Directory Co.
1928	Mc Owiel A	Los Angeles Directory Co.

FINDINGS

918 N CHESTER AVE

Year	Uses	Source
2014	JOAN JOHNS	Cole Information Services
2009	JOAN JOHNS	Cole Information Services
2004	JOAN JOHNS	Cole Information Services
2001	JOHNSJoan	Haines & Company, Inc.
1999	JOAN JOHNS	Cole Information Services
1951	At Evertt Gee	Pacific Directory Co.
1947	Everett H C	Pacific Directory Co.
1931	Melvin E W	Los Angeles Directory Co.
1928	Mc Mattttr Ig	Los Angeles Directory Co.

919 N CHESTER AVE

Year	Uses	Source
2014	JOSE DELREAL	Cole Information Services
	ANA LOPEZ	Cole Information Services
	LALA POPAL	Cole Information Services
	A LUIS	Cole Information Services
	BENJAMIN SANCHEZ	Cole Information Services
2009	ANA LOPEZ	Cole Information Services
	BEATRIZ ROMO	Cole Information Services
	BENJAMIN SANCHEZ	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
2004	JUAN SALCEDO	Cole Information Services
	JUAN BERMUDEZ	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
2001	BERMUDEZJuan	Haines & Company, Inc.
1999	BENJAMIN SANCHEZ	Cole Information Services
	BEATRIZ ROMO	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
	ANA LOPEZ	Cole Information Services
1995	Coronado Alfredo	Pacific Bell
1994	CORONADO, ALFREDO	Cole Information Services
1951	AAlln J H S	Pacific Directory Co.
1947	Allen J H	Pacific Directory Co.
1931	Mobley W	Los Angeles Directory Co.

922 N CHESTER AVE

Year	Uses	Source
2014	JOSE DELREAL	Cole Information Services

FINDINGS

Year	Uses	Source
2009	OCCUPANT UNKNOWN	Cole Information Services
2004	JOSE DELREAL	Cole Information Services
1995	Sillas Isabel	Pacific Bell
1951	AMocfs C D R9	Pacific Directory Co.
1947	Moats C D	Pacific Directory Co.
1931	Allen G A	Los Angeles Directory Co.

923 N CHESTER AVE

Year	Uses	Source
2014	M SKINNER	Cole Information Services
	RICARDO ENCISO	Cole Information Services
	LAZARO CISNEROS	Cole Information Services
	JOSE ROMERO	Cole Information Services
2009	ANGEL MONROY	Cole Information Services
	LAZARO CISNEROS	Cole Information Services
	MIGUEL HERNANDEZ	Cole Information Services
	MARIA MATA	Cole Information Services
2004	JOSE MATA	Cole Information Services
	ISRAEL CISNEROS	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
2001	SAVILAChristopher	Haines & Company, Inc.
1999	MIGUEL HERNANDEZ	Cole Information Services
	LAZARO CISNEROS	Cole Information Services
	MARIA MATA	Cole Information Services
	ANGEL MONROY	Cole Information Services
1951	AMorri ey Henry	Pacific Directory Co.
	1/2 Afiakwucll H M	Pacific Directory Co.
1947	Blackwell H M	Pacific Directory Co.
	1/2 Hubbard 0 Mrs	Pacific Directory Co.
1931	Howard R H	Los Angeles Directory Co.

926 N CHESTER AVE

Year	Uses	Source
2014	ANN MARY	Cole Information Services
2009	MARY VAUGHN	Cole Information Services
2004	MARY VAUGHN	Cole Information Services
2001	VAUGH 6 Mary Ann	Haines & Company, Inc.
1999	MARY VAUGHN	Cole Information Services
1995	Vaughn Mary Ann	Pacific Bell

FINDINGS

Year	Uses	Source
1994	VAUGHN, MARY	Cole Information Services
1951	Mc Mnln S W	Pacific Directory Co.
1947	Mc Mannis S W	Pacific Directory Co.
1931	Mc Mannis S W	Los Angeles Directory Co.

927 N CHESTER AVE

Year	Uses	Source
2014	CHARLIE DREW	Cole Information Services
2009	C DREW	Cole Information Services
2004	C DREW	Cole Information Services
2001	DREWSharon	Haines & Company, Inc.
1999	OCCUPANT UNKNOWN	Cole Information Services
	C DREW	Cole Information Services
1951	AMahficcny f Rymond	Pacific Directory Co.
1947	Curtis 0 R	Pacific Directory Co.

932 N CHESTER AVE

Year	Uses	Source
2009	ANA ESTRADA	Cole Information Services
2004	ANA ESTRADA	Cole Information Services
1999	ANA ESTRADA	Cole Information Services

1001 N CHESTER AVE

Year	Uses	Source
2014	EDGAR RODRIGUEZ	Cole Information Services
2009	MIGUEL RODRIGUEZ	Cole Information Services
2004	A LEAL	Cole Information Services
1999	MIGUEL RODRIGUEZ	Cole Information Services
1994	RODRIGUEZ, MARIO	Cole Information Services
1951	ACranr lali K M R	Pacific Directory Co.
1947	Crandall K M	Pacific Directory Co.
1931	Pickett S P	Los Angeles Directory Co.

1002 N CHESTER AVE

Year	Uses	Source
1951	lulheran Nurscry Hall	Pacific Directory Co.
1947	Bohannon W J	Pacific Directory Co.
1931	Mc Dowell A G	Los Angeles Directory Co.

FINDINGS

1005 N CHESTER AVE

Year	Uses	Source
2014	YESENIA RUVALCABA	Cole Information Services
2009	MARIBEL OCAMPO	Cole Information Services
2001	OREYESNorma V	Haines & Company, Inc.
1995	Reyes Norma V	Pacific Bell
1994	REYES, NORMA	Cole Information Services

1006 N CHESTER AVE

Year	Uses	Source
1951	0ualter G 6co	Pacific Directory Co.
1947	Qualters Geo	Pacific Directory Co.
1931	Ogden J E	Los Angeles Directory Co.
1928	Ogden S	Los Angeles Directory Co.

1008 N CHESTER AVE

Year	Uses	Source
2004	PEDRO CALDERON	Cole Information Services

1009 N CHESTER AVE

Year	Uses	Source
2014	FRANK TOVAR	Cole Information Services
2009	CLEMENTE BELTRAN	Cole Information Services
	LEONARDO TOVAR	Cole Information Services
	M MORALES	Cole Information Services
	ALEJANDRO CRUZESQUIVEL	Cole Information Services
2004	CLEMENTE BELTRAN	Cole Information Services
	GENEVA GONZALEZ	Cole Information Services
2001	BELTRANClemrnte	Haines & Company, Inc.
1999	ALEJANDRO CRUZESQUIVEL	Cole Information Services
	M MORALES	Cole Information Services
	LEONARDO TOVAR	Cole Information Services
	CLEMENTE BELTRAN	Cole Information Services
1976	Jackson Gregory Ronald	Pacific Telephone
1951	Cherry W P	Pacific Directory Co.
1947	Tollefson W G	Pacific Directory Co.

1013 N CHESTER AVE

Year	Uses	Source
2014	CECIL MEEKS	Cole Information Services
2009	SAUL FERNANDEZ	Cole Information Services

FINDINGS

Year	Uses	Source
2004	VERONICA GUILTRON	Cole Information Services
2001	XXXX	Haines & Company, Inc.
1999	SAUL FERNANDEZ	Cole Information Services
1951	Mny M I Mrs	Pacific Directory Co.
1947	Stewart Maud Mrs	Pacific Directory Co.

1021 N CHESTER AVE

Year	Uses	Source
2001	0 RODRIGUEZMiguel	Haines & Company, Inc.

1110 N CHESTER AVE

Year	Uses	Source
2014	GILBERT MALDONADO	Cole Information Services
2009	LUZ BARAJAS	Cole Information Services
2004	MARIA MALDONADO	Cole Information Services
2001	MALOONADOGilbert	Haines & Company, Inc.
1999	LUZ BARAJAS	Cole Information Services
1995	Bernal Ruben Z	Pacific Bell
1994	CARRILLO, F	Cole Information Services
1951	AJunior Cmil	Pacific Directory Co.
1947	Junior Emit	Pacific Directory Co.

1116 N CHESTER AVE

Year	Uses	Source
2014	MARIE IVERSON	Cole Information Services
2009	ROBBIE ODOM	Cole Information Services
	BILLIE IVERSON	Cole Information Services
2004	BILLIE IVERSON	Cole Information Services
2001	VERSON Raymond	Haines & Company, Inc.
1999	ROBBIE ODOM	Cole Information Services
	BILLIE IVERSON	Cole Information Services
1951	Rankin R J R9	Pacific Directory Co.
1947	Walls Wm	Pacific Directory Co.

1117 N CHESTER AVE

Year	Uses	Source
2014	REBA KING	Cole Information Services
2009	REBA KING	Cole Information Services
2004	REBA KING	Cole Information Services
2001	SKINGReba	Haines & Company, Inc.

FINDINGS

Year	Uses		Source
1999	REBA KING		Cole Information Services
1995	King Jas L		Pacific Bell
1994	KING, JAMES L		Cole Information Services
1951	Gaul V E		Pacific Directory Co.
1947	Auter R L		Pacific Directory Co.

1200 N CHESTER AVE

Year	Uses		Source
2014	MARCELL KEMP		Cole Information Services
2004	CLINTON WHITE		Cole Information Services
2001	WHITEClinlon		Haines & Company, Inc.
1999	OCCUPANT UNKNOWN		Cole Information Services
1951	Unl Jtoaad K H H R9		Pacific Directory Co.
1947	Umstead K H H		Pacific Directory Co.
1931	Arnold Jas		Los Angeles Directory Co.

1203 N CHESTER AVE

Year	Uses		Source
2014	JAIME LUNA		Cole Information Services
2009	OCCUPANT UNKNOWN		Cole Information Services
2004	OCCUPANT UNKNOWN		Cole Information Services
2001	OBRECKENRIDGEC		Haines & Company, Inc.
1994	BRECKENRIDGE, ARLENE		Cole Information Services
1990	BRECKENRIDGE ARLENE	COMPTON	Pacific Bell
1986	BRECKENRIDGE ARLENE	COMPTON	Pacific Bell
1981	BRECKENRIDGE ARLENE	COMPTON	Pacific Telephone
1976	Breckenridge Arlene		Pacific Telephone
1951	AEiili J C R9		Pacific Directory Co.
1947	Atkinson J A Mrs		Pacific Directory Co.
1931	Higgs Martha Mre		Los Angeles Directory Co.

1206 N CHESTER AVE

Year	Uses	Source
2014	HECTOR ARELLANO	Cole Information Services
2009	MARINA ARELLANO	Cole Information Services
2004	MANUEL QUEZADA	Cole Information Services
	JULIO PERALES	Cole Information Services
2001	SOUEZADAManuel	Haines & Company, Inc.
1999	BESSIE MALLARD	Cole Information Services

FINDINGS

Year	Uses	Source
1999	MARINA ARELLANO	Cole Information Services
1995	Mallard Bessie Mae	Pacific Bell
1994	MALLARD, BESSIE M	Cole Information Services
1951	Fr ler fruth Mr R9	Pacific Directory Co.

1207 N CHESTER AVE

Year	Uses	Source
2014	FELIPE LOPEZ	Cole Information Services
2009	JOSE LOPEZ	Cole Information Services
2004	FELIPE BRIJIL	Cole Information Services
2001	8 BRIGl LFelipe	Haines & Company, Inc.
1999	JOSE LOPEZ	Cole Information Services
1995	Lopez Elpidia D	Pacific Bell
1951	Vacant	Pacific Directory Co.
1947	Rupard H L	Pacific Directory Co.

1208 N CHESTER AVE

Year	Uses	Source
2014	DIEGO ARVIZU	Cole Information Services
2009	HECTOR ARELLANO	Cole Information Services
2004	HECTOR ARELLANO	Cole Information Services
1999	HECTOR ARELLANO	Cole Information Services
1976	Williams Bennie	Pacific Telephone
1951	Varant	Pacific Directory Co.

1209 N CHESTER AVE

Year	Uses	Source
2009	MICHAEL CHAMBERS	Cole Information Services
2004	MICHAEL CHAMBERS	Cole Information Services
1999	MICHAEL CHAMBERS	Cole Information Services

1210 N CHESTER AVE

Year	Uses	Source
2014	ALICE CAMPBELL	Cole Information Services
2009	ALICE CAMPBELL	Cole Information Services
2004	DANIEL MOORE	Cole Information Services
	GUINEVERE HODGESJOHNSON	Cole Information Services
2001	CAMPBELLThomas	Haines & Company, Inc.
1999	ALICE CAMPBELL	Cole Information Services
1951	Harpcr H A	Pacific Directory Co.

FINDINGS

1211 N CHESTER AVE

Year	Uses	Source
2014	CHARLES LANDREAUX	Cole Information Services
2009	CHARLES LANDREAUX	Cole Information Services
2004	CHARLES LANDREAUX	Cole Information Services
2001	LANDREAUXCharles	Haines & Company, Inc.
1999	CHARLES LANDREAUX	Cole Information Services
1951	IABahmc E M	Pacific Directory Co.
1947	Bahme E M	Pacific Directory Co.

1212 N CHESTER AVE

Year	Uses	Source
2014	JAMES CAMPBELL	Cole Information Services
2009	THOMAS CAMPBELL	Cole Information Services
2004	THOMAS CAMPBELL	Cole Information Services
1999	THOMAS CAMPBELL	Cole Information Services
1951	AAlderman W T	Pacific Directory Co.

1214 N CHESTER AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

1215 N CHESTER AVE

Year	Uses	Source
2014	FANNIE PHILIP	Cole Information Services
2009	FANNIE PHILIP	Cole Information Services
2004	FANNIE PHILIP	Cole Information Services
2001	PHILIPFannie	Haines & Company, Inc.
1999	FANNIE PHILIP	Cole Information Services
1951	I SAMc Afee W L f S	Pacific Directory Co.
1947	Mc Afee W L	Pacific Directory Co.

1220 N CHESTER AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

1300 N CHESTER AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	PAUL AURIA	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services

FINDINGS

Year	Uses	Source
2001	SHEPPEROMargare	Haines & Company, Inc.
1999	PAUL AURIA	Cole Information Services
1995	Shepperd Margaret	Pacific Bell
1994	SHEPPERD, M	Cole Information Services
1951	I Brautirjam A R R9	Pacific Directory Co.
1947	Brautigan A R	Pacific Directory Co.

1303 N CHESTER AVE

Year	Uses	Source
2014	MONTE PARSON	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2004	MONTE PARSON	Cole Information Services
2001	PARSONJenniler	Haines & Company, Inc.
1951	ALanrqc W 6 Rev	Pacific Directory Co.
1947	Lange W G Rev	Pacific Directory Co.

1306 N CHESTER AVE

Year	Uses	Source
2014	JOSE HERNANDEZ	Cole Information Services
2009	JOSE HERNANDEZ	Cole Information Services
2004	LUCILA VARGAS	Cole Information Services
2001	VARGAS Lucila	Haines & Company, Inc.
1999	JOSE HERNANDEZ	Cole Information Services
1951	AMontriomery M C Mrs	Pacific Directory Co.
1947	Montgomery M C Mrs	Pacific Directory Co.

1307 N CHESTER AVE

Year	Uses	Source
2014	REGINALD BELL	Cole Information Services
2009	REGINALD BELL	Cole Information Services
2004	REGINALD BELL	Cole Information Services
2001	BELL Reginald	Haines & Company, Inc.
1999	OCCUPANT UNKNOWN	Cole Information Services
	REGINALD BELL	Cole Information Services
1951	AWalton Chas R9	Pacific Directory Co.

1310 N CHESTER AVE

Year	Uses	Source
2014	RIGOBERTO MACHADO	Cole Information Services
2009	ELEAZAR ABREGO	Cole Information Services

FINDINGS

Year	Uses	Source
2004	FELIPE RAMIREZ	Cole Information Services
2001	PARTIDAF	Haines & Company, Inc.
1999	ELEAZAR ABREGO	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1951	AEggiqo Fred R9	Pacific Directory Co.
1947	Sherrin T B	Pacific Directory Co.

1311 N CHESTER AVE

Year	Uses	Source
2014	AURELIO GIL	Cole Information Services
2009	AURELIO GIL	Cole Information Services
2004	OLGA RODRIGUEZ	Cole Information Services
2001	FIGUEROACarlos M	Haines & Company, Inc.
1999	HELADIO MARTINEZ	Cole Information Services
	AURELIO GIL	Cole Information Services
1951	ASutton R J S	Pacific Directory Co.
1947	Sutton R J	Pacific Directory Co.

1314 N CHESTER AVE

Year	Uses	Source
2014	ISMAEL HERNANDEZ	Cole Information Services
2009	ISMAEL HERNANDEZ	Cole Information Services
2001	HERNANDEZIsmasl	Haines & Company, Inc.
1999	ISMAEL HERNANDEZ	Cole Information Services
1976	Otis Clarence	Pacific Telephone
1951	AEvans K C R9	Pacific Directory Co.
1947	Evans K C	Pacific Directory Co.

1315 N CHESTER AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	ADOLFO TORRES	Cole Information Services
2004	ADOLFO TORRES	Cole Information Services
2001	TORRESAdolfo	Haines & Company, Inc.
1999	ADOLFO TORRES	Cole Information Services
1951	ABrewn R H R9	Pacific Directory Co.
1947	Brewen R H	Pacific Directory Co.

FINDINGS

N MAYO AVE

900 N MAYO AVE

Year	Uses	Source
1931	Mayo Ave School	Los Angeles Directory Co.

901 N MAYO AVE

Year	Uses	Source
2001	ROBERTSGilbed	Haines & Company, Inc.
1999	OCCUPANT UNKNOWN	Cole Information Services

902 N MAYO AVE

Year	Uses	Source
2014	CRISTIE PORTILLIO-COLOR	Cole Information Services
	RAFAEL GONZALES	Cole Information Services
2009	CRISTIE PORTILLIO-COLOR	Cole Information Services
2004	SALVADOR VALLADOLID	Cole Information Services
2001	VALLAOOUDS	Haines & Company, Inc.
1999	CRISTIE PORTILLIO-COLOR	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1995	Grant Billy	Pacific Bell
1964	KIRKHAM CLYDE L	Pacific Telephone
1960	KIRKHAM CLYDE L	Pacific Telephone
1957	KIRKHAM CLYDE L	Pacific Telephone
1954	KIRKHAM CLYDE L R	R. L. Polk & Co.
1950	KIRKHAM CLYDE L R	Pacific Telephone
1947	KIRKHAM C L	Los Angeles Directory Co.
	Kirkham C L	Pacific Directory Co.
1931	Brown C H	Los Angeles Directory Co.

904 N MAYO AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	JOHN RICHARDSON	Cole Information Services
2004	RAFEAL RAMOS	Cole Information Services
2001	OWILSONSheryl	Haines & Company, Inc.
1999	JOHN RICHARDSON	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1980	HURD GEO	Pacific Telephone
1975	BIAS LINDA	Pacific Telephone

FINDINGS

Year	Uses	Source
1964	SORENSEN L COMPTON	Pacific Telephone
1960	SORENSEN L	Pacific Telephone
1957	SORENSEN L	Pacific Telephone
1954	SORENSEN L R	R. L. Polk & Co.
1950	SORENSEN L R	Pacific Telephone
1947	Sorensen Laurits	Pacific Directory Co.
	SORENSEN LAURITS	Los Angeles Directory Co.
1931	Tinker T R	Los Angeles Directory Co.

910 N MAYO AVE

Year	Uses	Source
2014	ALONZO MARTINEZ	Cole Information Services
2009	ALONZO MARTINEZ	Cole Information Services
2004	SARAH JOHNSON	Cole Information Services
1999	ALONZO MARTINEZ	Cole Information Services
1964	EVERSOLE F R	Pacific Telephone
1960	EVERSOLE F R	Pacific Telephone
1957	ELLIOTT MARION	Pacific Telephone
	ELLIOTT J J	Pacific Telephone
1950	I MARROTT H WR	Pacific Telephone
1947	Adams R R	Pacific Directory Co.
	ADAMS R R	Los Angeles Directory Co.
1931	Hodge E G 6364 K	Los Angeles Directory Co.

914 N MAYO AVE

Year	Uses	Source
2014	ELISA GARCIA	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
2001	SMARTINEZJose	Haines & Company, Inc.
1999	OCCUPANT UNKNOWN	Cole Information Services
1964	WATKINS FRANK C REV	Pacific Telephone
1960	JENKINS DONALD L REV	Pacific Telephone
1957	JENKINS DONALD L REV	Pacific Telephone
1954	CRAWFORD TJ REV R	R. L. Polk & Co.
1950	CRAWFORD TJ REV R	Pacific Telephone
1947	Gray R C Rev	Pacific Directory Co.
	GRAY R C REV	Los Angeles Directory Co.
1931	Richards H M	Los Angeles Directory Co.

FINDINGS

915 N MAYO AVE

Year	Uses	Source
2014	COMPTON UNIFIED SCHOOL DISTRICT	Cole Information Services
	MAYO ELEMENTARY	Cole Information Services
2009	CITY OF COMPTON	Cole Information Services
	MAYO ELEMENTARY SCHOOL	Cole Information Services
2001	COMPTONSCMAYO	Haines & Company, Inc.
1999	COMPTON UNIFIED SCHOOL DISTRICT ELEMENTARY SCHOOLS	Cole Information Services
	MAYO ELEMENTARY SCHOOL	Cole Information Services
1995	Mayo Elementary School	Pacific Bell
	Carver Elementary	Pacific Bell
	Mayo Elementary	Pacific Bell
1994	MAYO ELEMENTARY SCHOOL	Cole Information Services
1990	COMPTON UNIFIED SCHOOL DISTRICT ELEMENTARY SCHOOLS	Pacific Bell
1986	COMPTON UNIFIED SCHOOL DISTRICT ELEMENTARY SCHOOLS	Pacific Bell
1985	COMPTON UNIFIED SCHOOL DISTRICT ADMINISTRATIVE OFFICES SENIOR HIGH SCHOOL E	Pacific Bell
1964	COMPTON CITY SCHOOLS ELEMENTARY SCHOOLS	Pacific Telephone
1960	COMPTON CITY SCHOOLS ELEMENTARY SCHOOLS	Pacific Telephone
1957	COMPTON CITY SCHOOLS ELEMENTARY SCHOOLS	Pacific Telephone
1954	COMPTON CITY SCHOOLS ELEMENTARY SCHOOL	R. L. Polk & Co.
1950	COMPTON CITY SCHOOLS SUPERINTENDENT	Pacific Telephone
1947	Augusta A Mayo Sch	Pacific Directory Co.
	AUGUSTA A MAYO SCH	Los Angeles Directory Co.

918 N MAYO AVE

Year	Uses	Source
2014	MARIA GUIZAR	Cole Information Services
2009	SERGIO MARTINEZ	Cole Information Services
2004	JOSE MARTINEZ	Cole Information Services
2001	MARTINEZJose	Haines & Company, Inc.
1999	P MARTINEZ	Cole Information Services
	SERGIO MARTINEZ	Cole Information Services
1954	COVER C W	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1950	MOORE ROY W R	Pacific Telephone
1947	VACANT	Los Angeles Directory Co.
	Vacant	Pacific Directory Co.
1931	Robertson A W	Los Angeles Directory Co.

922 N MAYO AVE

Year	Uses	Source
2014	JESSIE DUNFORD	Cole Information Services
2001	DUNFORDJessie	Haines & Company, Inc.
1999	OCCUPANT UNKNOWN	Cole Information Services
1995	Dunford Jessie	Pacific Bell
1994	DUNFORD, JESSIE	Cole Information Services
1990	DUNFORD JESSIE COMPTON	Pacific Bell
1986	DUNFORD JESSIE COMPTON	Pacific Bell
1985	DUNFORD JESSIE	Pacific Bell
1981	DUNFORD JESSIE COMPTON	Pacific Telephone
1980	DUNFORD JESSIE COMPTON	Pacific Telephone
1976	Dunford Jessie	Pacific Telephone
1975	DUNFORD JESSIE	Pacific Telephone
1960	ACKERMAN ALLEN LEE	Pacific Telephone
1957	ACKERMAN ALIEN LEE	Pacific Telephone
1954	ACKERMAN ALIEN LEE R	R. L. Polk & Co.
1950	HEBERLE R J R	Pacific Telephone
	HEBERLE R J & CO LUMBR	Pacific Telephone
1947	Heberle R J	Pacific Directory Co.
	HEBERLE R J	Los Angeles Directory Co.
1931	Doughty A G	Los Angeles Directory Co.

1000 N MAYO AVE

Year	Uses	Source
2014	DENNIS WEBB	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
2001	XXXX	Haines & Company, Inc.
1999	OCCUPANT UNKNOWN	Cole Information Services
1985	BENSON ANTIONETTE	Pacific Bell
1980	BENSON ANTIONETTE	Pacific Telephone
1975	BENSON ANTLONETTE	Pacific Telephone
1960	PROULX EDW L	Pacific Telephone

FINDINGS

Year	Uses	Source
1950	DANFORTH EDNA MRS R	Pacific Telephone
1947	Danforth F E	Pacific Directory Co.
	DANFORTH F E	Los Angeles Directory Co.
1931	Hepp G H	Los Angeles Directory Co.

1006 N MAYO AVE

Year	Uses	Source
2014	MAURO BAUTISTA	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2004	ALEJANDRINA PADILLA	Cole Information Services
1964	ADAMS J R	Pacific Telephone
1960	THOMAS VICTORIA F	Pacific Telephone
1957	THOMAS VICTORIA F	Pacific Telephone
1954	THOMAS MELL C R	R. L. Polk & Co.
1950	THOMAS MELL C R	Pacific Telephone
1947	Thomas M C	Pacific Directory Co.
	THOMAS M C	Los Angeles Directory Co.
1931	Stretz E A	Los Angeles Directory Co.

1010 N MAYO AVE

Year	Uses	Source
2014	PETE ALVARADO	Cole Information Services
2009	EVELYN AGUILAR	Cole Information Services
2004	EVELYN AGUILAR	Cole Information Services
2001	XXXX	Haines & Company, Inc.
1999	EVELYN AGUILAR	Cole Information Services
1980	GONZALES DESIDERIO	Pacific Telephone
1957	HUNSAKER LUCILLE	Pacific Telephone
1954	PORTER FRANK E	R. L. Polk & Co.
1950	DIETZ WINIFRED H R	Pacific Telephone
1947	Dietz Arth	Pacific Directory Co.
	DIETZ ARTH	Los Angeles Directory Co.
1931	Barbono E	Los Angeles Directory Co.

1096 N MAYO AVE

Year	Uses	Source
2001	PADILLAA	Haines & Company, Inc.

FINDINGS

N PEARL AVE

801 N PEARL AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

802 N PEARL AVE

Year	Uses	Source
2014	BERTHA TENA	Cole Information Services
2009	ANA DOMINGUEZ	Cole Information Services
2001	ROCHA Richard	Haines & Company, Inc.
1999	OCCUPANT UNKNOWN	Cole Information Services
	ANA DOMINGUEZ	Cole Information Services
1975	LANKFORD TA-TANISHA	Pacific Telephone
1964	MANLEY LENORA	Pacific Telephone
1960	DALY JACK	Pacific Telephone
1957	TTALY JACK	Pacific Telephone
1954	NICHOLLS JACK E R	R. L. Polk & Co.
1951	Nicholls J E	Pacific Directory Co.
	ANauman C H R9	Pacific Directory Co.
1950	KESTER JACK E R	Pacific Telephone
1947	Bennett W J	Pacific Directory Co.
1931	Vacant	Los Angeles Directory Co.
1928	Rogers Wm	Los Angeles Directory Co.

803 N PEARL AVE

Year	Uses	Source
2014	JOSE DIAZ	Cole Information Services
2009	JAIME VILLEGAS	Cole Information Services
2004	MARGARITA DIAZ	Cole Information Services
2001	SVILLEGASHerberto	Haines & Company, Inc.
1999	JAIME VILLEGAS	Cole Information Services
1981	BROUSSARD L COMPTON	Pacific Telephone
1980	BROUSSARD L	Pacific Telephone
1975	BROUSSARD RUBY	Pacific Telephone
1957	BARNES F J	Pacific Telephone
1951	Goyak G T	Pacific Directory Co.
1947	Smith C M Mrs	Pacific Directory Co.
1931	Smith W R	Los Angeles Directory Co.
1928	Vacant	Los Angeles Directory Co.

FINDINGS

804 N PEARL AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

806 N PEARL AVE

Year	Uses	Source
2014	JOSE NERI	Cole Information Services
2009	JOSE NERI	Cole Information Services
2004	JOSE NERI	Cole Information Services
2001	SVILLEGASJaime	Haines & Company, Inc.
1999	JOSE NERI	Cole Information Services
1995	Gomez Roberto	Pacific Bell
1964	ALLEN CAROL D	Pacific Telephone
	ALLEN CHAS T	Pacific Telephone
1954	NAUMAN CARL H R	R. L. Polk & Co.
1951	AHandy J W	Pacific Directory Co.
1950	HANDY JAS R	Pacific Telephone
1947	Vacant	Pacific Directory Co.
1931	Berry M R	Los Angeles Directory Co.

807 N PEARL AVE

Year	Uses	Source
2014	CORA MCGREW	Cole Information Services
2009	JOSE JAIME	Cole Information Services
2004	FREDIE MCDADE	Cole Information Services
2001	0 MCDA 4 EFredie L	Haines & Company, Inc.
1999	JOSE JAIME	Cole Information Services
1985	STEELE CONNIE	Pacific Bell
1964	MCDONALD GRACE	Pacific Telephone
1960	MC DONALD GRACE	Pacific Telephone
1957	MCDONALD GRACE	Pacific Telephone
1954	MCDONALD GRACE R	R. L. Polk & Co.
1951	Mc Donald LAR	Pacific Directory Co.
1947	Allen C C	Pacific Directory Co.
1931	Cook L H	Los Angeles Directory Co.
1928	Clark W J	Los Angeles Directory Co.

808 N PEARL AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

FINDINGS

809 N PEARL AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

810 N PEARL AVE

Year	Uses	Source
2014	CLYDE FRENCH	Cole Information Services
2009	CLYDE FRENCH	Cole Information Services
2004	CLYDE FRENCH	Cole Information Services
2001	FRENCH Clyde	Haines & Company, Inc.
1999	CLYDE FRENCH	Cole Information Services
1975	COMBS FLORENCE	Pacific Telephone
1964	STURM ROBT W	Pacific Telephone
1957	KUNO CLARENCE	Pacific Telephone
1954	KUNO CLARENCE R	R. L. Polk & Co.
1951	AKuno C R	Pacific Directory Co.

811 N PEARL AVE

Year	Uses	Source
2014	JESSE HARRIS	Cole Information Services
2009	JESSE HARRIS	Cole Information Services
	JOSE NERI	Cole Information Services
2004	JOSE NERE	Cole Information Services
2001	SNEREJose	Haines & Company, Inc.
1999	JESSE HARRIS	Cole Information Services
	ROBERTO RODRIGUEZ	Cole Information Services
	JOSE NERI	Cole Information Services
1994	NERE, JOSE	Cole Information Services
1975	AYALA DAVID	Pacific Telephone
1964	MERCER GERTRUDE E	Pacific Telephone
1960	MERCER GERTRUDE E	Pacific Telephone
1957	MERCER GERTRUDE E	Pacific Telephone
1954	MERCERGERTRUDE E R	R. L. Polk & Co.
1951	I AMercer Gertrude	Pacific Directory Co.
1950	MERCER GERTRUDE E	Pacific Telephone
1947	Mercer L H Mrs	Pacific Directory Co.
1931	Netherton F F	Los Angeles Directory Co.

FINDINGS

812 N PEARL AVE

Year	Uses	Source
2014	ISRAEL SERRANO	Cole Information Services
	RICARDO OCHOA	Cole Information Services
2009	RICARDO OCHOA	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
	SILVERIO ALVARADO	Cole Information Services
	BARBARA VEAZY	Cole Information Services
	JOSE MORAN	Cole Information Services
	ROGELIO RUIZ	Cole Information Services
2001	SMARYLANDGeorgia	Haines & Company, Inc.
1999	OCCUPANT UNKNOWN	Cole Information Services
1985	GREEN RONALD	Pacific Bell
1960	HURLBUT L E	Pacific Telephone
1951	1/2 Gates F M Mrs	Pacific Directory Co.
	Vacant	Pacific Directory Co.
1947	1/2 Stevens W E	Pacific Directory Co.
	Gates F M Mrs	Pacific Directory Co.
	GATES F M MRS	Los Angeles Directory Co.
1931	Gilbert W J	Los Angeles Directory Co.

813 N PEARL AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

815 N PEARL AVE

Year	Uses	Source
2014	JUAN NERE	Cole Information Services
2009	JUAN NERE	Cole Information Services
2004	ANA MENA	Cole Information Services
2001	SSALOMONRuben	Haines & Company, Inc.
1999	JUAN NERE	Cole Information Services
1995	Hernandez Felipe	Pacific Bell
1994	HERNANDEZ, FELIPE	Cole Information Services
1960	SILVIS HARRY C	Pacific Telephone
1957	SILVIS HARRY C	Pacific Telephone
1954	SILVIS HARRY C R	R. L. Polk & Co.
1951	ASilvis H C	Pacific Directory Co.
1950	SLVIS HARRY C R	Pacific Telephone

FINDINGS

Year	Uses	Source
1947	Silvis H C	Pacific Directory Co.
	SILVIS H C	Los Angeles Directory Co.
1931	Scoffins J M	Los Angeles Directory Co.
1928	Scoffin J M	Los Angeles Directory Co.

816 N PEARL AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

818 N PEARL AVE

Year	Uses	Source
2014	CARLOS MARTINEZ	Cole Information Services
2009	CARLOS MARTINEZ	Cole Information Services
2004	DOMINGO BUGAY	Cole Information Services
2001	SGARUNOUHector	Haines & Company, Inc.
1999	CARLOS MARTINEZ	Cole Information Services
1994	RODRIGUEZ, MARTHA	Cole Information Services
1976	Jackson Lovie	Pacific Telephone
1964	TOWERY HOWARD A COMPTON	Pacific Telephone
1960	TOWERY HOWARD A	Pacific Telephone
1957	TOWERY HOWARD A	Pacific Telephone
1954	TOWERY HOWARD A R	R. L. Polk & Co.
1951	ATowery HAR	Pacific Directory Co.
1950	TOWERY HOWARD A R	Pacific Telephone
1947	TOWERY HA	Los Angeles Directory Co.
	Towery HA	Pacific Directory Co.

820 N PEARL AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

900 N PEARL AVE

Year	Uses	Source
2014	JESUS VILLA	Cole Information Services
	SOCORRO DEVAC	Cole Information Services
	BRISA ALATORRE	Cole Information Services
2009	CONCEPCION PALACIOS	Cole Information Services
	JESUS VILLA	Cole Information Services
	SOCORRO DEVAC	Cole Information Services
	ANGELICA CHAVEZ	Cole Information Services

FINDINGS

Year	Uses	Source
2009	JUAN PANTOJA	Cole Information Services
2004	JESUS VILLA	Cole Information Services
	IAN SALAVARIA	Cole Information Services
2001	RODRIGUEZMiguel A 3108 B	Haines & Company, Inc.
1999	ANGELICA CHAVEZ	Cole Information Services
	SOCORRO DEVAC	Cole Information Services
	JESUS VILLA	Cole Information Services
	JUAN PANTOJA	Cole Information Services
	CONCEPCION PALACIOS	Cole Information Services
1995	Villa Socorro	Pacific Bell
	Reyes Rosafia	Pacific Bell
	Vaca Reyes Guadalupe	Pacific Bell
1994	VACA, REYES G	Cole Information Services
	VILLA, SOCORRO	Cole Information Services
1980	BROCIUS RUTH V	Pacific Telephone
1964	HARDING KAREN	Pacific Telephone
1960	NORIEGA LAZARO M	Pacific Telephone
1957	LARSAN ROATH L	Pacific Telephone
1954	REVERDITTO IGOR CR	R. L. Polk & Co.
1951	AReverditto I C	Pacific Directory Co.
1950	RIGDON VELMA R	Pacific Telephone
	RAFICIIFFE CHAS T R	Pacific Telephone
1947	DOWD A C	Los Angeles Directory Co.
	Dowd A C	Pacific Directory Co.
1931	Dowd E S	Los Angeles Directory Co.
1928	Dowd E S	Los Angeles Directory Co.

901 N PEARL AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

903 N PEARL AVE

Year	Uses	Source
2014	JUAN SIFUENTES	Cole Information Services
2009	JUAN SIFUENTES	Cole Information Services
2004	JUAN SIFUENTES	Cole Information Services
2001	SIFUENTESJuan	Haines & Company, Inc.
1999	OCCUPANT UNKNOWN	Cole Information Services
	JUAN SIFUENTES	Cole Information Services

FINDINGS

Year	Uses	Source
1960	DODGE ROBERTA COMPTON	Pacific Telephone
	DODGE MILTON G COMPTON	Pacific Telephone
1957	FOWLIE JERRY H	Pacific Telephone
1954	CHAFFEE JAS CR	R. L. Polk & Co.
1951	ACoates C C	Pacific Directory Co.
1950	COATES EFFIE E R	Pacific Telephone
1947	COATES C C	Los Angeles Directory Co.
	Coates C C	Pacific Directory Co.
1931	Fischer Anna M	Los Angeles Directory Co.
1928	Spurgin H A	Los Angeles Directory Co.

904 N PEARL AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

905 N PEARL AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

907 N PEARL AVE

Year	Uses	Source
2014	MINNIE HENRY	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2004	MYKEYA JONES	Cole Information Services
2001	HARRISJesse	Haines & Company, Inc.
1999	OCCUPANT UNKNOWN	Cole Information Services
1985	WYATT JAS	Pacific Bell
1981	WYATT JAS COMPTON	Pacific Telephone
1976	Wyatt Jas	Pacific Telephone
1964	ALLRED GAYLORD	Pacific Telephone
1960	ALLRED GAYLORD	Pacific Telephone
1957	PURMORT MAYBELLE G	Pacific Telephone
1954	CARTER CARL A R	R. L. Polk & Co.
	CARTER CARL A R	R. L. Polk & Co.
1951	ACarter C A	Pacific Directory Co.
1950	CARTER CARL A R	Pacific Telephone
1947	CARTER C A	Los Angeles Directory Co.
	Carter C A	Pacific Directory Co.
1931	Shanahan F M	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1928	Shanaban F M	Los Angeles Directory Co.

908 N PEARL AVE

Year	Uses	Source
2009	AMOS MARTINEZ	Cole Information Services
2004	FERNANDO SIORDIA	Cole Information Services
	AMOS MARTINEZ	Cole Information Services
2001	SSIOROIA Farando	Haines & Company, Inc.
1999	AMOS MARTINEZ	Cole Information Services
1975	ELLIS ZELDA	Pacific Telephone
1964	AUSTIN RUBY MRS	Pacific Telephone
1957	MURREN NITEL D	Pacific Telephone
1951	AAllensworth Hershel	Pacific Directory Co.

909 N PEARL AVE

Year	Uses	Source
2014	ARTURO GONZALEZ	Cole Information Services
2009	ARTURO GONZALEZ	Cole Information Services
2004	ARTURO GONZALEZ	Cole Information Services
2001	GONZALEZArturo	Haines & Company, Inc.
1999	ARTURO GONZALEZ	Cole Information Services
1995	Gonzalez Arturo	Pacific Bell
1994	GONZALEZ, ARTURO	Cole Information Services
1985	GONZALEZ ARTURO	Pacific Bell
1980	GONZALEZ ARTURO	Pacific Telephone
1975	GONZALEZ ARTURO	Pacific Telephone
1964	WRIGHT DAVID J	Pacific Telephone
1960	WRIGHT DAVID J	Pacific Telephone
1954	WRIGHT DAVID J R	R. L. Polk & Co.
1951	AWright D J	Pacific Directory Co.
1950	WRIGHT DAVID J R	Pacific Telephone
1947	Wright David	Pacific Directory Co.
	WRIGHT DAVID	Los Angeles Directory Co.
1931	Vacant	Los Angeles Directory Co.
1928	Swearingen R G	Los Angeles Directory Co.

910 N PEARL AVE

Year	Uses	Source
2014	GARCIA VEGA	Cole Information Services

FINDINGS

Year	Uses	Source
2009	OCCUPANT UNKNOWN	Cole Information Services
2001	GONZALEZArturo	Haines & Company, Inc.
1976	Hendrix Reatha	Pacific Telephone
1975	HENDRIX REATHA	Pacific Telephone
1964	SHAFFER MARIAN P	Pacific Telephone
	SHAFFER CHESTER W	Pacific Telephone
1960	NEWTON THOS C	Pacific Telephone
1957	TURNER HARELD	Pacific Telephone
1954	BOYLES FRANCES IRENE	R. L. Polk & Co.
1951	AShowalter Lorraine Mrs	Pacific Directory Co.

912 N PEARL AVE

Year	Uses	Source
2014	BILLIE JEFFERSON	Cole Information Services
2009	ELMER HENRY	Cole Information Services
2001	JEFFERSON Clarence	Haines & Company, Inc.
1999	ELMER HENRY	Cole Information Services
1995	Jefferson Clarence & Josie	Pacific Bell
1994	JEFFERSON, C	Cole Information Services
1964	MCKEOWN ROBT P	Pacific Telephone
1960	MCKEOWN ROBT P	Pacific Telephone
1957	DOWD EDW S JR	Pacific Telephone
1954	DOWD EDW S JR R	R. L. Polk & Co.
1951	ADowd E S R9	Pacific Directory Co.
1950	DOWD EDW S JR R	Pacific Telephone
1947	Dowd E S	Pacific Directory Co.
	DOWD E S	Los Angeles Directory Co.

915 N PEARL AVE

Year	Uses	Source
2014	ISMAEL REYES	Cole Information Services
2004	DIRIE THOMAS	Cole Information Services
2001	STHOMASDirie	Haines & Company, Inc.
1999	OCCUPANT UNKNOWN	Cole Information Services
1980	HENDERSON ERMA	Pacific Telephone
1975	HENDERSON ERMA	Pacific Telephone
1964	GRIMSLEY B W	Pacific Telephone
1960	RUHL ALBERT G	Pacific Telephone
1957	RUHL ALBERT G	Pacific Telephone

FINDINGS

Year	Uses	Source
1954	BRUNNER BEN	R. L. Polk & Co.
1951	ACox Frank	Pacific Directory Co.
1947	Mc Govney R W	Pacific Directory Co.
	MCGOVNEY R W	Los Angeles Directory Co.
1931	Mc Govney R W	Los Angeles Directory Co.
1928	Sloan P W	Los Angeles Directory Co.

918 N PEARL AVE

Year	Uses	Source
2014	FRANCISCO BRAVO	Cole Information Services
2009	FRANCISCO CUEVAS	Cole Information Services
2004	FRANCISCO CUEVAS	Cole Information Services
1999	FRANCISCO CUEVAS	Cole Information Services
1995	Bravo Catalino	Pacific Bell
1994	CUEVAS, F B	Cole Information Services
	RODRIGUEZ, ALREDO	Cole Information Services
	BRAVO, CATALIN	Cole Information Services
1964	STAUFFER PAUL W	Pacific Telephone
1960	STAUFFER PAUL W	Pacific Telephone
1957	STAUFFER PAUL W	Pacific Telephone
1954	STAUFFER PAUL W	R. L. Polk & Co.
	STAUFFER WALDITH	R. L. Polk & Co.
1951	AStauffer P W	Pacific Directory Co.
1950	BUTCHER GEO J R	Pacific Telephone
1947	Transient	Pacific Directory Co.
	TRANSIENT	Los Angeles Directory Co.

919 N PEARL AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2004	BLANCA CIFUENTES	Cole Information Services
2001	SMARTINEZHidelisa	Haines & Company, Inc.
	SCUEVAS Francisco	Haines & Company, Inc.
1999	OCCUPANT UNKNOWN	Cole Information Services
1980	MARTINEZ GRACIE	Pacific Telephone
1964	HIVNER FRED	Pacific Telephone
1960	HIVNER MION	Pacific Telephone
1957	MULDER0E	Pacific Telephone

FINDINGS

Year	Uses	Source
1954	MICK MINNIE M R	R. L. Polk & Co.
1951	AMick L S	Pacific Directory Co.
1950	MICK MINNIE MR	Pacific Telephone
1947	GOLDSMITH V MRS	Los Angeles Directory Co.
	Goldsmith V Mrs	Pacific Directory Co.
1931	Goldsmith G WV	Los Angeles Directory Co.
1928	Goldsmith G W	Los Angeles Directory Co.

921 N PEARL AVE

Year	Uses	Source
2001	SMARTINEZHidelisa	Haines & Company, Inc.

922 N PEARL AVE

Year	Uses	Source
2014	MARICELA RUBIO	Cole Information Services
2009	BERNICE JACKSON	Cole Information Services
2004	BERNICE JACKSON	Cole Information Services
2001	JACKSON Be	Haines & Company, Inc.
1999	BERNICE JACKSON	Cole Information Services
1964	CRAWFORD TOM	Pacific Telephone
1957	VAN VLLCT LETA	Pacific Telephone
	WESTBRUOK SIBYL	Pacific Telephone
1954	MORRISON WALTER E	R. L. Polk & Co.
1951	AMorrison W E R9	Pacific Directory Co.
1950	MORRISON W ER	Pacific Telephone
1947	MORRISON WEE	Los Angeles Directory Co.
	Morrison WEE	Pacific Directory Co.
1931	Bennett R M	Los Angeles Directory Co.
1928	Lockwood P M	Los Angeles Directory Co.

923 N PEARL AVE

Year	Uses	Source
2014	EULALIA AMARO	Cole Information Services
2009	EULALIA AMARO	Cole Information Services
2004	JOSEPH	Cole Information Services
	JESUS MORENO	Cole Information Services
2001	SAMAROJoseph	Haines & Company, Inc.
1999	EULALIA AMARO	Cole Information Services
1980	BIAS LINDA K COMPTON	Pacific Telephone

FINDINGS

Year	Uses	Source
1964	WAGR LINDBERGH A	Pacific Telephone
1960	WAGNER LINDBERGH A	Pacific Telephone
1957	WAGNER LINDBERGH A	Pacific Telephone
	WAGNER MARILYN	Pacific Telephone
1951	ARansdell B R	Pacific Directory Co.
1950	RANSDELL BERNARD R R	Pacific Telephone
1947	VACANT	Los Angeles Directory Co.
	Vacant	Pacific Directory Co.
1931	Howard John	Los Angeles Directory Co.

925 N PEARL AVE

Year	Uses	Source
2014	GERARDO TAPIA	Cole Information Services
2009	GERARDO TAPIA	Cole Information Services
2004	HELEN ALGEE	Cole Information Services
2001	ALGEE Helen	Haines & Company, Inc.
1999	GERARDO TAPIA	Cole Information Services
1995	Algee Earl	Pacific Bell
1994	ALGEE, EARL	Cole Information Services
1985	ALGEE EARL	Pacific Bell
1980	ALGEE EARL	Pacific Telephone
1975	ALGEE EARL	Pacific Telephone
1964	DE HETRE JESSIE	Pacific Telephone
1960	DE HETRE JESSIE	Pacific Telephone
1957	DO HETRE JESSIE	Pacific Telephone
1954	DE HETRE JESSIE R	R. L. Polk & Co.
1951	ADe Hetre P J R9	Pacific Directory Co.
1950	DE HETRE JESSIE R	Pacific Telephone
1947	DE HETRE P J	Los Angeles Directory Co.
	De Hetre P J	Pacific Directory Co.
1931	De Hetre Philip	Los Angeles Directory Co.

926 N PEARL AVE

Year	Uses	Source
2014	YESENIA LOPEZ	Cole Information Services
2009	MARGARITA GONZALEZ	Cole Information Services
2004	VERONICA TORRES	Cole Information Services
2001	DELVILLARF	Haines & Company, Inc.
1999	MARGARITA GONZALEZ	Cole Information Services

FINDINGS

Year	Uses	Source
1964	PACKER WM A	Pacific Telephone
1960	PACKER WM A	Pacific Telephone
1957	DE SORIA C J	Pacific Telephone
1954	DE SORIA C J R	R. L. Polk & Co.
1951	Ade Soria C J S	Pacific Directory Co.
1950	DE SORIA C JR	Pacific Telephone
1947	de Soua CJ C	Pacific Directory Co.
	DE SOUACJ C	Los Angeles Directory Co.
1931	Williams M G	Los Angeles Directory Co.
1928	Williams M G	Los Angeles Directory Co.

1002 N PEARL AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	DELIA HERNANDEZ	Cole Information Services
2004	ROLAND HERNANDEZ	Cole Information Services
2001	SHERNANOEZRolando	Haines & Company, Inc.
1999	DELIA HERNANDEZ	Cole Information Services
1964	SHEPARD ANN T	Pacific Telephone
1960	SHEPARD BERT M	Pacific Telephone
1957	SHEPARD BERT M	Pacific Telephone
1954	SHEPARD BERT M R	R. L. Polk & Co.
1951	AShepard B M	Pacific Directory Co.
1950	SHEPARD BERT MR	Pacific Telephone
1947	Shepard B M	Pacific Directory Co.
	SHEPARD B M	Los Angeles Directory Co.
1931	Shepard B M	Los Angeles Directory Co.
1928	Snyder G P	Los Angeles Directory Co.

1003 N PEARL AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1964	LYNCH W F	Pacific Telephone
1960	LYNCH W F	Pacific Telephone
1957	LYNCH W F	Pacific Telephone
1954	ROLEDER GEO REV	R. L. Polk & Co.
1951	ABrown H J R9	Pacific Directory Co.
1950	BROWN HARRY J R	Pacific Telephone
1947	BROWN H J	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1947	Brown H J	Pacific Directory Co.
1931	Larson W J	Los Angeles Directory Co.
1928	Lubeckc H A	Los Angeles Directory Co.

1006 N PEARL AVE

Year	Uses	Source
2014	RUBEN VILLANUEVA	Cole Information Services
2009	RUBEN VILLANUEVA	Cole Information Services
2004	RUBEN VILLANUEVA	Cole Information Services
2001	SVILLANUEVAHelen	Haines & Company, Inc.
1999	RUBEN VILLANUEVA	Cole Information Services
1995	Villanueva Helen	Pacific Bell
1960	MELTON FRANK	Pacific Telephone
1957	MELTON FRANK	Pacific Telephone
1954	MELTON FRANK R	R. L. Polk & Co.
1951	AMelton F H	Pacific Directory Co.
1950	MELTON FRANKR	Pacific Telephone
1947	MELTON F H	Los Angeles Directory Co.
	Melton F H	Pacific Directory Co.
1931	Mc Neese S J	Los Angeles Directory Co.
1928	Sprague W F	Los Angeles Directory Co.

1009 N PEARL AVE

Year	Uses	Source
1951	AFrietsch A H	Pacific Directory Co.

1105 N PEARL AVE

Year	Uses	Source
1960	MILLS INEZ	Pacific Telephone
	COLE IRENE D	Pacific Telephone
1957	L ARKINS RUBYJ	Pacific Telephone
1954	TOLLEFSON WALLACE G R	R. L. Polk & Co.
1951	ATollefson W G	Pacific Directory Co.
1950	TOLLEFSON WALLACE G R	Pacific Telephone

1107 N PEARL AVE

Year	Uses	Source
1947	HYATT H W	Los Angeles Directory Co.
	Hyatt H W	Pacific Directory Co.

FINDINGS

1110 N PEARL AVE

Year	Uses	Source
2001	SBANKSCharles	Haines & Company, Inc.
1960	VIGG PAUL	Pacific Telephone
1957	VIGG PAUL	Pacific Telephone
1954	VIGG PAUL	R. L. Polk & Co.
1951	AHyatt H W	Pacific Directory Co.

1111 N PEARL AVE

Year	Uses	Source
2014	MAURICE LEWIS	Cole Information Services
2009	MAURICE LEWIS	Cole Information Services
2004	MAURICE LEWIS	Cole Information Services
2001	LEWIS Maurice	Haines & Company, Inc.
1999	MAURICE LEWIS	Cole Information Services
1995	Lewis Maurice	Pacific Bell
1994	LEWIS, MAURICE	Cole Information Services
1985	LEWIS MAURICE	Pacific Bell
1980	LEWIS MAURICE COMPTON	Pacific Telephone
1975	LEWIS MAURICE	Pacific Telephone
1957	DENNY MAHLON G	Pacific Telephone
1954	BORING JAS	R. L. Polk & Co.
1951	Blackwell S L	Pacific Directory Co.
1947	KISSACK MERNA MRS	Los Angeles Directory Co.
	Kissack Merna Mrs	Pacific Directory Co.

1113 N PEARL AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	DAVID DOTSON	Cole Information Services
2004	DAVID DOTSON	Cole Information Services
1999	DAVID DOTSON	Cole Information Services
1954	MCKAY ALFRED L SR	R. L. Polk & Co.
1951	Wilson Avon Mrs	Pacific Directory Co.
	1/2 Vacant	Pacific Directory Co.
1950	FORKUS NADINE M R	Pacific Telephone
1947	1/2 Ashmore R L	Pacific Directory Co.

FINDINGS

1117 N PEARL AVE

Year	Uses	Source
2014	ABEL FLORES	Cole Information Services
2009	ISMAEL FLORES	Cole Information Services
2004	SAUL FLORES	Cole Information Services
2001	SFLORESIsmael	Haines & Company, Inc.
1999	OCCUPANT UNKNOWN	Cole Information Services
	ISMAEL FLORES	Cole Information Services
1985	BRUMFIELD DARRYL & CONNIE	Pacific Bell
1964	NORMAN DARREL COMPTON	Pacific Telephone
	NORMAN SUZANNE	Pacific Telephone
1960	MASON KENNETH P	Pacific Telephone
1957	L(ASON KENNETH P	Pacific Telephone
1954	MASON (ENNETH P R	R. L. Polk & Co.
1951	AMason K P	Pacific Directory Co.
1950	MASON KENNETH PR	Pacific Telephone
1947	Mason K P	Pacific Directory Co.
	MASON K P	Los Angeles Directory Co.

1118 N PEARL AVE

Year	Uses	Source
2014	WILLIAM IVEY	Cole Information Services
2009	DWAYNE IVEY	Cole Information Services
2004	MARY IVEY	Cole Information Services
2001	SIVEYMary	Haines & Company, Inc.
1999	DWAYNE IVEY	Cole Information Services
1960	GENTLE B V	Pacific Telephone
1957	BURNS MARVIN	Pacific Telephone
1954	BURNIS MARVIN R	R. L. Polk & Co.
1951	BABurris Marvin R9	Pacific Directory Co.
1950	BURRIS MARVIN R	Pacific Telephone
1947	Burrs Marvin	Pacific Directory Co.
	BURRS MARVIN	Los Angeles Directory Co.

1201 N PEARL AVE

Year	Uses	Source
2014	ROSA LEVERON	Cole Information Services
2009	RAUL SANCHEZ	Cole Information Services
2004	ROSA LEVERON	Cole Information Services
2001	LEVERONRosa Yolanda	Haines & Company, Inc.

FINDINGS

Year	Uses	Source
1999	RAUL SANCHEZ	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1995	Washington Bobbie	Pacific Bell
1994	WASHINGTON, BOBBIE	Cole Information Services
1985	WASHINGTON BOBBIE	Pacific Bell
1964	DURHAM HOWE	Pacific Telephone
1960	DURHAM HOWE	Pacific Telephone
1957	PDURHAM HOWE	Pacific Telephone
1954	DURHAM HOWE	R. L. Polk & Co.
1951	ADurham H W R9	Pacific Directory Co.
1950	DURHAM HOWE R	Pacific Telephone
1947	Durham W H	Pacific Directory Co.
	DURHAM W H	Los Angeles Directory Co.

1202 N PEARL AVE

Year	Uses	Source
2014	HUGO GONZALEZ	Cole Information Services
2009	HUGO GONZALEZ	Cole Information Services
2004	WALTER FUNEZ	Cole Information Services
	HUGO GONZALEZ	Cole Information Services
	ROSA MARROQUIN	Cole Information Services
2001	FUNEZ Walter	Haines & Company, Inc.
1999	HUGO GONZALEZ	Cole Information Services
	ROSA MARROQUIN	Cole Information Services
1995	Godines Jesus	Pacific Bell
1994	GODINES, JESUS	Cole Information Services
1985	POWELL CHARLIE	Pacific Bell
1981	POWELL CHARLIE COMPTON	Pacific Telephone
1976	Powell Charlie	Pacific Telephone
1975	MADISON DIANNE	Pacific Telephone
1964	DAVIDSON KATHLEEN ODANIEL	Pacific Telephone
1960	DAVIDSON KATHLEEN ODANIEL	Pacific Telephone
	O DANIEL M E MRS	Pacific Telephone
1957	DAVIDSON KATHLEEN0DANIEL	Pacific Telephone
	ODANIEL N E MRS	Pacific Telephone
1954	DAVIDSON KATHLEEN O DANIEL	R. L. Polk & Co.
1951	A 0Daniel K P Mrs	Pacific Directory Co.
1950	ODANIEL KATHLEEN R	Pacific Telephone
1947	ODANIEL K P MRS	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1947	ODaniel K P Mrs	Pacific Directory Co.

1205 N PEARL AVE

Year	Uses	Source
2014	MICHAEL LOTT	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
2001	SCHAVEZCecil	Haines & Company, Inc.
1985	DURHAM JAS J	Pacific Bell
	JENKINS K L	Pacific Bell
1980	DURHAM JAS J	Pacific Telephone
	JENKINS KATHRYN L	Pacific Telephone
1975	DURHAM JAS J	Pacific Telephone
1964	DURHAM JAS J	Pacific Telephone
1960	DURHAM JAS J	Pacific Telephone
1957	DURHAM JAS J	Pacific Telephone
1954	DURHAM JAS J R	R. L. Polk & Co.
1951	ADurham J J	Pacific Directory Co.
1950	DURHAM JAS AJ R	Pacific Telephone
1947	DURHAM J J	Los Angeles Directory Co.
	Durham J J	Pacific Directory Co.

1206 N PEARL AVE

Year	Uses	Source
2014	ALMA RECIO	Cole Information Services
2009	LAMICA SPENCER	Cole Information Services
2004	GLENDA SPENCER	Cole Information Services
2001	SPENCERGlenda	Haines & Company, Inc.
1999	LAMICA SPENCER	Cole Information Services
1964	MARKASICH ELAINE	Pacific Telephone
1960	MARKASICH DAN	Pacific Telephone
1957	I TARIRASICH DAN	Pacific Telephone
1954	SELBY WARREN J	R. L. Polk & Co.
1951	ASelbv W J	Pacific Directory Co.
1950	SELBY WARREN J R	Pacific Telephone

1210 N PEARL AVE

Year	Uses	Source
2014	MAXINE WILLIAMS	Cole Information Services

FINDINGS

Year	Uses	Source
2009	MICHELLE WALKER	Cole Information Services
2001	SWILLIAMSJay	Haines & Company, Inc.
1999	MICHELLE WALKER	Cole Information Services
1975	HASSON LEON	Pacific Telephone
1964	HASSON LEON	Pacific Telephone
1960	HASSON LEON	Pacific Telephone
1957	HASSON LEON	Pacific Telephone
1954	ROPER I T	R. L. Polk & Co.
1951	ADavis J E	Pacific Directory Co.
1950	BLACK RALPH F R	Pacific Telephone
1947	ONeal R R	Pacific Directory Co.
	ONEAL R R	Los Angeles Directory Co.

1211 N PEARL AVE

Year	Uses	Source
2014	JOSE VALLADARES	Cole Information Services
2009	JOSE VALLADARES	Cole Information Services
2004	JOSE VALLADARES	Cole Information Services
2001	TORRESWendy	Haines & Company, Inc.
1999	JOSE VALLADARES	Cole Information Services
1995	Portillo Jose A	Pacific Bell
	Valladares Victor	Pacific Bell
1994	VALLADARES, VICTOR	Cole Information Services
	PORTILLO, JOSE A	Cole Information Services
1980	BUTLER M J	Pacific Telephone
1975	BUTLER M J	Pacific Telephone
1964	BUTLER ED L	Pacific Telephone
1960	BUTLER ED L	Pacific Telephone
1957	FARNSLEY GEO L	Pacific Telephone
	FARNSLEY ULETTA R	Pacific Telephone
1954	FARNSLEY GEO L R	R. L. Polk & Co.
	FARNSLEY ULETTA R	R. L. Polk & Co.
1951	AFarnsley G L R9	Pacific Directory Co.
1950	FARNSLEY GEO LR	Pacific Telephone
1947	Farnsley G L	Pacific Directory Co.
	FARNSLEY G L	Los Angeles Directory Co.

FINDINGS

1216 N PEARL AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

1217 N PEARL AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

1300 N PEARL AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	JOSE ALVARADO	Cole Information Services
2004	SUSANA ALVARADO	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
	JOSE ALVARADO	Cole Information Services
1975	JOHNSON ZEBEDEE JR	Pacific Telephone
1964	MOORE CLAUDIA	Pacific Telephone
1960	MOORE EARL MRS	Pacific Telephone
1957	ROSS RICHARD B	Pacific Telephone
1954	ROSS RICHARD B	R. L. Polk & Co.
1951	ACoe D A R9	Pacific Directory Co.
1950	CON DAVE A R	Pacific Telephone
1947	Vacant	Pacific Directory Co.
	VACANT	Los Angeles Directory Co.

1301 N PEARL AVE

Year	Uses	Source
2014	MARILYN CURTIS	Cole Information Services
2009	ALVIN CURTIS	Cole Information Services
2004	ALVIN CURTIS	Cole Information Services
2001	SCURTISAlvin	Haines & Company, Inc.
1999	ALVIN CURTIS	Cole Information Services
1964	BOSCHMA BYRON B	Pacific Telephone
1960	BOSCHMA BYRON B	Pacific Telephone
1957	BOSCHMA BYRON B	Pacific Telephone
1954	WESTHOVEN E MI	R. L. Polk & Co.
1951	AWesthoven E M	Pacific Directory Co.
1950	WESTHOVEN E M R	Pacific Telephone
1947	Westhoven E M	Pacific Directory Co.
	WESTHOVEN E M	Los Angeles Directory Co.

FINDINGS

1304 N PEARL AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

1305 N PEARL AVE

Year	Uses	Source
1999	HERBERT MANAGER	Cole Information Services

1306 N PEARL AVE

Year	Uses	Source
2014	JOHN WILLIAMS	Cole Information Services
2009	TANISHE BLACK	Cole Information Services
2004	GLADYS WRIGHT	Cole Information Services
2001	WILLIAMSJohn	Haines & Company, Inc.
1999	TANISHE BLACK	Cole Information Services
1994	WILLIAMS, JOHN L	Cole Information Services
1985	WILLIAMS JOHN L	Pacific Bell
1964	FINOCHIO ANTHONY	Pacific Telephone
	FINOCHIO MAXINE	Pacific Telephone
1960	FREERKSEN L G	Pacific Telephone
1957	FREERKSEN L G	Pacific Telephone
1954	CUTLER ORVILLE H	R. L. Polk & Co.
1951	ARamcr B B Mrs R9	Pacific Directory Co.
1950	RANIER D B R	Pacific Telephone
1947	RAMER D B	Los Angeles Directory Co.
	Ramer D B	Pacific Directory Co.

1307 N PEARL AVE

Year	Uses	Source
2014	GABRIEL GOMEZ	Cole Information Services
2009	GABRIEL GOMEZ	Cole Information Services
2004	GABRIEL GOMEZ	Cole Information Services
2001	SGOMEZGabnel	Haines & Company, Inc.
1999	GABRIEL GOMEZ	Cole Information Services
1960	HACKLEY PATRICIA J	Pacific Telephone
1957	GRANT THERESA	Pacific Telephone
1954	GRANT F L R	R. L. Polk & Co.
1951	AGrant F L	Pacific Directory Co.
1950	GRANT F L R	Pacific Telephone
1947	Grant F L	Pacific Directory Co.

FINDINGS

Year	Uses	Source
1947	GRANT F L	Los Angeles Directory Co.

1308 N PEARL AVE

Year	Uses	Source
2014	FELICIA JONES	Cole Information Services
2009	SHAWN DUCREAY	Cole Information Services
2004	WILLIE HENDERSON	Cole Information Services
2001	SHOLIFIELDLeo	Haines & Company, Inc.
1999	SHAWN DUCREAY	Cole Information Services
1964	FIELDER LANDON MRS	Pacific Telephone
1960	TURNER BILLIE	Pacific Telephone
1957	REYNOLDS VIOLA DOREY	Pacific Telephone
1954	REYNOLDS VIOLA DOREY R	R. L. Polk & Co.
1951	AReynolds V D MrsR	Pacific Directory Co.

1311 N PEARL AVE

Year	Uses	Source
2014	JOSE RODRIQUEZ	Cole Information Services
2009	JOSE RODRIQUEZ	Cole Information Services
	AURELIO RODRIGUEZ	Cole Information Services
2004	ALICIA RODRIGUEZ	Cole Information Services
	JOSE RODRIQUEZ	Cole Information Services
2001	SRODRIGUEZ Francisoc Jr	Haines & Company, Inc.
1999	JOSE RODRIQUEZ	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
	AURELIO RODRIGUEZ	Cole Information Services
1994	RODRIGUEZ, V	Cole Information Services
1960	MCABEE RALPH	Pacific Telephone
1957	MCABEE RALPH	Pacific Telephone
1954	SCHOW DORIS M R	R. L. Polk & Co.
1951	Schow Margt R9	Pacific Directory Co.
1950	SCHOW DORIS M R	Pacific Telephone
1947	Bremner R A	Pacific Directory Co.
	BREMNER R A	Los Angeles Directory Co.

1314 N PEARL AVE

Year	Uses	Source
2014	EDWARD ROBINSON	Cole Information Services
2009	EDWARD ROBINSON	Cole Information Services

FINDINGS

Year	Uses	Source
2004	EDWARD ROBINSON	Cole Information Services
2001	ROBINSONC	Haines & Company, Inc.
1999	EDWARD ROBINSON	Cole Information Services
	ED ROBINSON	Cole Information Services
1995	Hudson Wilbur & Martha	Pacific Bell
	Robinson C	Pacific Bell
	Robinson Edw	Pacific Bell
	Robinson Ruby	Pacific Bell
1994	ROBINSON, EDWARD	Cole Information Services
	HUDSON, WILBUR	Cole Information Services
1990	ROBINSON EDW COMPTON	Pacific Bell
	ROBINSON RUBY COMPTON	Pacific Bell
1986	ROBINSON EDW COMPTON	Pacific Bell
	ROBINSON RUBY COMPTON	Pacific Bell
1985	ROBINSON RUBY	Pacific Bell
	ROBINSON EDW	Pacific Bell
1981	ROBINSON EDW COMPTON	Pacific Telephone
	ROBINSON RUBY COMPTON	Pacific Telephone
1976	Robinson Edw	Pacific Telephone
	Robinson Ruby	Pacific Telephone
1964	HART EMORY	Pacific Telephone
1954	WINSTON LEAH C R	R. L. Polk & Co.
1951	AWinston L C Mrs	Pacific Directory Co.
1950	WINSTON LEAH C R	Pacific Telephone
1947	Winston L C Mrs	Pacific Directory Co.
	WINSTON L C MRS	Los Angeles Directory Co.

1317 N PEARL AVE

Year	Uses	Source
2014	CHRISTOPHER DUNHAM	Cole Information Services
2009	JOHNATHAN HARRINGTON	Cole Information Services
2004	J HARRINGTON	Cole Information Services
2001	HARRINGTONCarol	Haines & Company, Inc.
1999	JOHNATHAN HARRINGTON	Cole Information Services
1964	PROVINCE BILLY JACK	Pacific Telephone
1960	MAY MARTIN MRS	Pacific Telephone
1957	MAY MARTIN	Pacific Telephone
1954	SAUERS M M R	R. L. Polk & Co.
1951	ASauers M MR	Pacific Directory Co.

FINDINGS

Year	Uses	Source
1950	SAUERS M MR	Pacific Telephone
1947	SAUERS M M	Los Angeles Directory Co.
	Sauers M M	Pacific Directory Co.

1318 N PEARL AVE

Year	Uses	Source
2014	LETICIA GONZALEZ	Cole Information Services
2009	JUAN GARCIA	Cole Information Services
2004	LIBRADA TURCIOS	Cole Information Services
2001	STURCIOSLibrada	Haines & Company, Inc.
1999	JUAN GARCIA	Cole Information Services
1964	WILLIAMS J B	Pacific Telephone
1960	WILLIAMS J B	Pacific Telephone
1957	WILLIAMS J B	Pacific Telephone
1951	AWiliams J B	Pacific Directory Co.
1950	WILLIAMS J BR	Pacific Telephone
1947	NIELSEN 0 M	Los Angeles Directory Co.
	Nielsen 0 M	Pacific Directory Co.

1400 N PEARL AVE

Year	Uses	Source
1947	WALLACE C S	Los Angeles Directory Co.

1403 N PEARL AVE

Year	Uses	Source
1947	ROZELLE RALPH	Los Angeles Directory Co.

918A N PEARL AVE

Year	Uses	Source
1964	HOLLEY VERA ANN	Pacific Telephone

812 1/2 N PEARL AVE

Year	Uses	Source
1947	STEVENS W E	Los Angeles Directory Co.

1113 1/2 N PEARL AVE

Year	Uses	Source
1964	MCKEE JAS W	Pacific Telephone
1960	MCKEE JAS W	Pacific Telephone
1957	MCKEE JAS W	Pacific Telephone

FINDINGS

Year	Uses	Source
1954	MCKEE JAS W	R. L. Polk & Co.
1947	ASHMORE R L	Los Angeles Directory Co.

N SANTA FE AVE

804 N SANTA FE AVE

Year	Uses	Source
2009	HEISENIA SANTOYO	Cole Information Services
2004	HEISENIA SANTOYO	Cole Information Services
1999	HEISENIA SANTOYO	Cole Information Services

806 N SANTA FE AVE

Year	Uses	Source
2014	SANABRIA REINA	Cole Information Services
2009	REINA SANABRIA	Cole Information Services
2004	ARMANDO RAGGI	Cole Information Services
2001	RAGGIIArmando	Haines & Company, Inc.
1999	REINA SANABRIA	Cole Information Services
1951	Fyke W C	Pacific Directory Co.
1947	Fyke W C	Pacific Directory Co.
1940	Fyke W C	Los Angeles Directory Co.
1931	Swezey Joe	Los Angeles Directory Co.

810 N SANTA FE AVE

Year	Uses	Source
2014	BOBBIE PERKINS	Cole Information Services
2009	BOBBIE PERKINS	Cole Information Services
2004	LOUIS GREEN	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
	BOBBIE PERKINS	Cole Information Services
1951	Young EQ	Pacific Directory Co.
1947	Young E	Pacific Directory Co.
1940	Mc Keenhan J 3ewe	Los Angeles Directory Co.
1931	Thomas F L	Los Angeles Directory Co.

814 N SANTA FE AVE

Year	Uses	Source
1951	d Holler E	Pacific Directory Co.
	a Gebhart Betty Mrs	Pacific Directory Co.
	b Summers T E	Pacific Directory Co.

Year	Uses	Source
1951	c Cline Raymond	Pacific Directory Co.

816 N SANTA FE AVE

Year	Uses	Source
2014	MYESHIA WISEMAN	Cole Information Services
	KEISHA FRILO	Cole Information Services
2009	KEISHA FRILO	Cole Information Services
	MONICA BEAMON	Cole Information Services
	HERBERT WHITTEN	Cole Information Services
2004	ERIC EKIN	Cole Information Services
	MONIKA BEAMON	Cole Information Services
	TINA WILBURN	Cole Information Services
	REBECCA PINKNEY	Cole Information Services
	JEROME EXUM	Cole Information Services
1999	KEISHA FRILO	Cole Information Services
	MONICA BEAMON	Cole Information Services
	HERBERT WHITTEN	Cole Information Services

818 N SANTA FE AVE

Year	Uses	Source
2014	GABRIEL MOISES	Cole Information Services
2009	GABRIEL MOISES	Cole Information Services
2004	MOISES GABRIEL	Cole Information Services
2001	GABRIEL Molses	Haines & Company, Inc.
1999	GABRIEL MOISES	Cole Information Services
1995	Galeano Manuel Antonio	Pacific Bell
1994	GALEANO, MANUEL	Cole Information Services
1951	ANelson E E	Pacific Directory Co.
1947	Hailstone N B	Pacific Directory Co.
1940	Peebles H H	Los Angeles Directory Co.

901 N SANTA FE AVE

Year	Uses	Source
2014	LUCIANO PENA	Cole Information Services
	WENDY MEDINA	Cole Information Services
2009	LAZARO GARCIA	Cole Information Services
2004	CHRIS CABALLERO	Cole Information Services
	ZENOBIA THOMAS	Cole Information Services
2001	THOMAS Zenobia	Haines & Company, Inc.

FINDINGS

Year	Uses	Source
1999	LAZARO GARCIA	Cole Information Services
1995	Thomas Zenobia	Pacific Bell
1994	THOMAS, ZENOBIA	Cole Information Services
1951	I AClimie A E	Pacific Directory Co.

902 N SANTA FE AVE

Year	Uses	Source
2009	ALICE CARTER	Cole Information Services
1999	ALICE CARTER	Cole Information Services

903 N SANTA FE AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
	IRMA ARANDA	Cole Information Services
2009	MIRELLA CARRILLO	Cole Information Services
	IRMA ARANDA	Cole Information Services
	FABIOLA MEDINA	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
2001	XXXX	Haines & Company, Inc.
1999	FABIOLA MEDINA	Cole Information Services
	MIRELLA CARRILLO	Cole Information Services
	IRMA ARANDA	Cole Information Services
1995	Gordon Ethel	Pacific Bell
1951	Gilfillan Wm	Pacific Directory Co.

904 N SANTA FE AVE

Year	Uses	Source
2014	MAIKEIDA BLACKMAN	Cole Information Services
2009	VICTORIA JOHNSON	Cole Information Services
2004	MARK MENDIOLA	Cole Information Services
1999	VICTORIA JOHNSON	Cole Information Services
1995	Mendoza Guadalupe	Pacific Bell
1994	MENDOZA, G	Cole Information Services

905 N SANTA FE AVE

Year	Uses	Source
2014	RAFAELA AYALA	Cole Information Services
2009	RENE BALLESTEROS	Cole Information Services
1999	RENE BALLESTEROS	Cole Information Services

FINDINGS

Year	Uses	Source
1994	GARZA, BLANCA	Cole Information Services

906 N SANTA FE AVE

Year	Uses	Source
2014	MONALISA CHRISTOPHE	Cole Information Services
	L KAUSMAN	Cole Information Services
2009	M CHRISTOPHE	Cole Information Services
	BERRELL PERKINS	Cole Information Services
2004	DONNA TERRELL	Cole Information Services
	STEPHEN KAUFMAN	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
	BERRELL PERKINS	Cole Information Services
	M CHRISTOPHE	Cole Information Services
1951	Frick C V R	Pacific Directory Co.
1947	Niesen W J	Pacific Directory Co.
	NIESEN W J	Los Angeles Directory Co.

907 N SANTA FE AVE

Year	Uses	Source
2014	RENE BALLESTEROS	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
1994	OLMOS, E	Cole Information Services

908 N SANTA FE AVE

Year	Uses	Source
2001	TERRELL Donna	Haines & Company, Inc.

909 N SANTA FE AVE

Year	Uses	Source
2014	BELGICA TLASECA	Cole Information Services
2009	GABRIELA HEREDI	Cole Information Services
2004	FRANCISCO ALVAREZ	Cole Information Services
2001	ALVAREZFrancic	Haines & Company, Inc.
1999	OCCUPANT UNKNOWN	Cole Information Services
	GABRIELA HEREDI	Cole Information Services
1981	HALL JAS COMPTON	Pacific Telephone
1976	Hall Jas	Pacific Telephone
1951	Yonk J E	Pacific Directory Co.

FINDINGS

Year	Uses	Source
1947	THOMAS E E	Los Angeles Directory Co.
	Thomas E E	Pacific Directory Co.
1940	AKnight C H	Los Angeles Directory Co.
1931	Leidendecker F E	Los Angeles Directory Co.

910 N SANTA FE AVE

Year	Uses	Source
2014	KEVIN CHILDS	Cole Information Services
	ROSA ESPINDOLA	Cole Information Services
	ROBERT RANDALL	Cole Information Services
2009	ESMERALDA ESPINDOLA	Cole Information Services
	ROBERT RANDALL	Cole Information Services
2004	ROBERT RANDALL	Cole Information Services
	FREDA JACKSON	Cole Information Services
2001	JACKSON Freda	Haines & Company, Inc.
1999	ROBERT RANDALL	Cole Information Services
	ESMERALDA ESPINDOLA	Cole Information Services

915 N SANTA FE AVE

Year	Uses	Source
2014	SALVADOR ASCENCIO	Cole Information Services
	MARIA QVESADA	Cole Information Services
2009	NORMA TOLEDO	Cole Information Services
	SALVADOR ASCENCIO	Cole Information Services
	MARIA QUEZADA	Cole Information Services
	GOMEZ CLEMENTE	Cole Information Services
2004	JOSE CONTRERAS	Cole Information Services
	MARIA GARCIA	Cole Information Services
	NORMA TOLEDO	Cole Information Services
	JESUS ALVARADO	Cole Information Services
	GOMEZ CLEMENTE	Cole Information Services
	OSIEL CUEVAS	Cole Information Services
	EDGAR LOPEZ	Cole Information Services
2001	REYESRodngo	Haines & Company, Inc.
1999	MARIA QUEZADA	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
	NORMA TOLEDO	Cole Information Services
	GOMEZ CLEMENTE	Cole Information Services
	SALVADOR ASCENCIO	Cole Information Services

FINDINGS

Year	Uses	Source
1995	Vivar Hernandez Lorenzo	Pacific Bell
	Simental Rosa	Pacific Bell
	Mascorro Isaac	Pacific Bell
	MISSION EVANGELICA ELMM NO2 INC	Pacific Bell
1994	MASCORRO, ISAAC	Cole Information Services

916 N SANTA FE AVE

Year	Uses	Source
2014	BRYANT HEFFLIN	Cole Information Services
2009	BRYANT HEFFLIN	Cole Information Services
2004	BRYANT HEFFLIN	Cole Information Services
2001	r HEFFLINMary	Haines & Company, Inc.
1999	BRYANT HEFFLIN	Cole Information Services
1951	ATait J D	Pacific Directory Co.
1947	Tait J D	Pacific Directory Co.
	TAIT J D	Los Angeles Directory Co.
1940	Mc Manigal R M	Los Angeles Directory Co.
1931	Godwin G M	Los Angeles Directory Co.

919 N SANTA FE AVE

Year	Uses	Source
2014	JOSE SALAS	Cole Information Services
2009	OSCAR SALAS	Cole Information Services
2004	FLORENTINO SANCHEZ	Cole Information Services
2001	SALASOscar	Haines & Company, Inc.
1999	OCCUPANT UNKNOWN	Cole Information Services
	OSCAR SALAS	Cole Information Services
1976	Kinslow Jenell	Pacific Telephone
1951	ZCarter L D	Pacific Directory Co.
1947	Prestegard K B	Pacific Directory Co.
	PRESTEGARD K B	Los Angeles Directory Co.

920 N SANTA FE AVE

Year	Uses	Source
1951	Melton J R	Pacific Directory Co.
1947	SWEENEY J F	Los Angeles Directory Co.
	Sweeney J F	Pacific Directory Co.
1940	Trundy Dorothy	Los Angeles Directory Co.
1931	Bull A R	Los Angeles Directory Co.

FINDINGS

922 N SANTA FE AVE

Year	Uses	Source
2014	LUIS RAMERIZ	Cole Information Services
	GERMAN GARCIA	Cole Information Services
2009	JOSE MARQUEZ	Cole Information Services
	CARLOS PEREZ	Cole Information Services
2004	GONZALO PEREZ	Cole Information Services
	MARIA REYES	Cole Information Services
	LUIS RAMERIZ	Cole Information Services
	JOSE MARQUEZ	Cole Information Services
2001	MAROUEZJose R	Haines & Company, Inc.
1999	JOSE MARQUEZ	Cole Information Services
	CARLOS PEREZ	Cole Information Services
1994	RAMIREZ, ZENAIDA	Cole Information Services

923 N SANTA FE AVE

Year	Uses	Source
2014	JAVIER MURILLO	Cole Information Services
	MARIA MANZO	Cole Information Services
	SANCHEZ FLORENTINO	Cole Information Services
2009	WENDY DELEON	Cole Information Services
	JAVIER MURILLO	Cole Information Services
	SERGIO NUNEZ	Cole Information Services
	JORGE OLVERA	Cole Information Services
2004	JOSE MOLINA	Cole Information Services
	JAVIER MURILLO	Cole Information Services
	JOEL RIVERA	Cole Information Services
2001	MOLINAEmrld O	Haines & Company, Inc.
1999	JAVIER MURILLO	Cole Information Services
	WENDY DELEON	Cole Information Services
	JORGE OLVERA	Cole Information Services
	SERGIO NUNEZ	Cole Information Services
1994	AVENA, LUIS	Cole Information Services
1976	Michaels Christopher	Pacific Telephone
1951	ACochran H ER	Pacific Directory Co.
1947	Cochran H E	Pacific Directory Co.
	COCHRAN H E	Los Angeles Directory Co.

FINDINGS

924 N SANTA FE AVE

Year	Uses	Source
2001	HERNANOEZJo Sa	Haines & Company, Inc.
1999	OCCUPANT UNKNOWN	Cole Information Services
1995	Hernandez Jose	Pacific Bell
1994	HERNANDEZ, JOSE	Cole Information Services
1951	A 9 Roth A K Mrs	Pacific Directory Co.
1947	Roth A K Mrs	Pacific Directory Co.
	ROTH A K MRS	Los Angeles Directory Co.
1940	Roth A K Mr E	Los Angeles Directory Co.
1931	Van Dyke C R	Los Angeles Directory Co.

1003 N SANTA FE AVE

Year	Uses	Source
2014	DONNA DILLARD	Cole Information Services
2009	FILIBERTO MARES	Cole Information Services
2004	VICTORIA HERNANDEZ	Cole Information Services
	MAGDALENO RAMIREZ	Cole Information Services
2001	SHERNANDEZVioona	Haines & Company, Inc.
1999	FILIBERTO MARES	Cole Information Services
1994	VIVAR, C H	Cole Information Services
1951	Hoss John	Pacific Directory Co.
1947	Hoss John	Pacific Directory Co.
	HOSS JOHN	Los Angeles Directory Co.
1940	Forsbourg RBoy	Los Angeles Directory Co.
1931	Nichols R F	Los Angeles Directory Co.

1004 N SANTA FE AVE

Year	Uses	Source
1931	Vacant	Los Angeles Directory Co.

1007 N SANTA FE AVE

Year	Uses	Source
2014	FERNANDO MATA	Cole Information Services
2009	MARCO MATA	Cole Information Services
2004	MARCO MATA	Cole Information Services
2001	HUERTAGerardo	Haines & Company, Inc.
1999	MARCO MATA	Cole Information Services
1995	Fulton Kevin	Pacific Bell
	SUPERDONUT	Pacific Bell

FINDINGS

Year	Uses	Source
1994	FULTON, KEVIN	Cole Information Services
1951	AMesserrchmitt P	Pacific Directory Co.
	Jones Ruth Mrs	Pacific Directory Co.
1947	Messerschmitt P	Pacific Directory Co.
	MESSERSCHMITT P	Los Angeles Directory Co.
1940	Messerschmitt P J	Los Angeles Directory Co.
1931	Schmitt Lesser	Los Angeles Directory Co.

1009 N SANTA FE AVE

Year	Uses	Source
2014	HELEN ROBINSON	Cole Information Services
2009	WILL BROOKS	Cole Information Services
2001	BONNERSteven	Haines & Company, Inc.
1999	WILL BROOKS	Cole Information Services
1951	ALambine R M	Pacific Directory Co.

1012 N SANTA FE AVE

Year	Uses	Source
1995	TONLA S PASTEL COIFFURES	Pacific Bell

1112 N SANTA FE AVE

Year	Uses	Source
2001	OANKSCha 4es	Haines & Company, Inc.
1995	Frederick Darrell J	Pacific Bell
1994	FREDERICK, DARRELL J	Cole Information Services
1976	Hub City Buyers Club	Pacific Telephone
1951	Webb J H	Pacific Directory Co.
1947	WEBB J H	Los Angeles Directory Co.
	Webb J H	Pacific Directory Co.
1940	OElder H C	Los Angeles Directory Co.
1931	Sutton H H	Los Angeles Directory Co.

1113 N SANTA FE AVE

Year	Uses	Source
2014	OFELIO ZAMBRANO	Cole Information Services
2009	OFELIO ZAMBRANO	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
2001	DIAZLsia S	Haines & Company, Inc.
1999	OFELIO ZAMBRANO	Cole Information Services
1951	AKizziar W H ir	Pacific Directory Co.

FINDINGS

1116 N SANTA FE AVE

Year	Uses	Source
2014	KARLA GRAYSON	Cole Information Services
2009	KARLA GRAYSON	Cole Information Services
2004	TRENESE KENNEDY	Cole Information Services
2001	0 CRINER Chrstlne	Haines & Company, Inc.
1999	KARLA GRAYSON	Cole Information Services
1951	Reynolds J Y	Pacific Directory Co.
	1/2 Spradlen B S Mrs	Pacific Directory Co.

1117 N SANTA FE AVE

Year	Uses	Source
2014	MIGUEL NAVARRO	Cole Information Services
2009	LETICIA NAVARRO	Cole Information Services
2004	JUAN OVALLE	Cole Information Services
2001	MORAJoae	Haines & Company, Inc.
1999	LETICIA NAVARRO	Cole Information Services
1995	Mc Daniel Lucille	Pacific Bell
1994	MCDANIEL, LUCILLE	Cole Information Services
1951	Winstead J T	Pacific Directory Co.
1947	UNDER CONSTRUCTION	Los Angeles Directory Co.
	Under Construction	Pacific Directory Co.

1120 N SANTA FE AVE

Year	Uses	Source
1995	CHEESEMANWR	Pacific Bell

1130 N SANTA FE AVE

Year	Uses	Source
1986	TRANS HARBOR TRUCKING LONG BEACH	Pacific Bell
1981	TRANS HARBOR TRUCKING LONG BEACH	Pacific Telephone

1145 N SANTA FE AVE

Year	Uses	Source
2001	SANTAFEAUTO	Haines & Company, Inc.

1200 N SANTA FE AVE

Year	Uses	Source
2014	THOMPSON MARY	Cole Information Services
2009	DEMETRIUS CLAYTON	Cole Information Services

FINDINGS

Year	Uses	Source
2004	JAMEL DUNN	Cole Information Services
2001	CARTER Booker	Haines & Company, Inc.
1999	OCCUPANT UNKNOWN	Cole Information Services
	DEMETRIUS CLAYTON	Cole Information Services
1995	RICHARDS NEIL P & MARILYN	Pacific Bell
1951	Hitchcock V W	Pacific Directory Co.

1203 N SANTA FE AVE

Year	Uses	Source
2014	ANTOINE PHILLIPS	Cole Information Services
2004	LINDA HOLBERT	Cole Information Services
2001	BUTLER Annie	Haines & Company, Inc.
1999	OCCUPANT UNKNOWN	Cole Information Services
1951	Harin W L	Pacific Directory Co.

1204 N SANTA FE AVE

Year	Uses	Source
2014	CRISTINA ORDUNA	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2004	ARTIE BOWEN	Cole Information Services
2001	HUNTJoyc I	Haines & Company, Inc.
1976	Hunt Chas Jr	Pacific Telephone

1206 N SANTA FE AVE

Year	Uses	Source
1951	Rainey L	Pacific Directory Co.

1207 N SANTA FE AVE

Year	Uses	Source
2014	CIPRIANO HERNANDEZ	Cole Information Services
2009	ENEDINA SANDOVAL	Cole Information Services
2004	ENEDINA SANDOVAL	Cole Information Services
2001	HERNANDEZLeodegaero	Haines & Company, Inc.
1999	ENEDINA SANDOVAL	Cole Information Services
1995	Sandoval Enedina	Pacific Bell

1208 N SANTA FE AVE

Year	Uses	Source
2014	SOCORRO DELGADO	Cole Information Services
2009	BRENDA MONTES	Cole Information Services

FINDINGS

Year	Uses	Source
2004	SERGIO RUAN	Cole Information Services
2001	ORTIZRosa Mana	Haines & Company, Inc.
1999	BRENDA MONTES	Cole Information Services

1210 N SANTA FE AVE

Year	Uses	Source
1951	AHatch LJ	Pacific Directory Co.
1947	Hatch L J	Pacific Directory Co.
	HATCH L J	Los Angeles Directory Co.

1211 N SANTA FE AVE

Year	Uses	Source
2014	ALVENA JEFFRIES	Cole Information Services
2009	ALVENA JEFFRIES	Cole Information Services
2004	ALVENA JEFFRIES	Cole Information Services
2001	JEFFRt ESWm H	Haines & Company, Inc.
1999	ALVENA JEFFRIES	Cole Information Services
1995	Jeffries Wm H	Pacific Bell
1994	JEFFRIES, WILLIAM H	Cole Information Services
1951	Frank RJ	Pacific Directory Co.
1947	FRANK R J	Los Angeles Directory Co.
	Frank R J	Pacific Directory Co.

1212 N SANTA FE AVE

Year	Uses	Source
2014	YESENIA FLORES	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2004	MARIO IBARRA	Cole Information Services
	REFUGIO RUAN	Cole Information Services
	SILVINA ZUNIGA	Cole Information Services
2001	RUANRel Egio	Haines & Company, Inc.
1995	Flores Jose Luis	Pacific Bell
1994	DELGADO, JUAN	Cole Information Services
	FLORES, JOSE L	Cole Information Services

1214 N SANTA FE AVE

Year	Uses	Source
1951	Mc Morry Terry R9	Pacific Directory Co.
1947	Mc Morry Terry	Pacific Directory Co.
	MCMORRY TERRY	Los Angeles Directory Co.

FINDINGS

1215 N SANTA FE AVE

Year	Uses	Source
2014	CHERITY DAVIS	Cole Information Services
2009	NATONYA CANTLOPE	Cole Information Services
2004	NATONYA CANTLOPE	Cole Information Services
	TWO CHEEZE MOBILE DETAILING	Cole Information Services
2001	BRACKINSLaeiha	Haines & Company, Inc.
1999	NATONYA CANTLOPE	Cole Information Services
	THIRD AVENUE	Cole Information Services
1995	Strickland Gene	Pacific Bell
1986	KENDRICK C J COMPTON	Pacific Bell
1951	AShira H I Rev	Pacific Directory Co.
1947	Bennett W B Rev	Pacific Directory Co.
	BENNETT W B REV	Los Angeles Directory Co.

1216 N SANTA FE AVE

Year	Uses	Source
2014	MIGUEL JIMENEZ	Cole Information Services
2009	SYDNEY ANDERSON	Cole Information Services
2004	SAM ANDERSON	Cole Information Services
2001	ANOERSONS	Haines & Company, Inc.
1999	SYDNEY ANDERSON	Cole Information Services
1995	Anderson S	Pacific Bell
1994	ANDERSON, S	Cole Information Services
1976	Konigar Earline	Pacific Telephone

1218 N SANTA FE AVE

Year	Uses	Source
1951	Pierce H L R9	Pacific Directory Co.
1947	Pierce H L	Pacific Directory Co.
	PIERCE H L	Los Angeles Directory Co.

1219 N SANTA FE AVE

Year	Uses	Source
2014	JOSE GALVAN	Cole Information Services
2009	EVA DELVILLAR	Cole Information Services
2004	OTIS STITT	Cole Information Services
1999	EVA DELVILLAR	Cole Information Services
1951	Allison S M	Pacific Directory Co.
1947	Hartwell 0 E Mrs	Pacific Directory Co.

FINDINGS

Year	Uses	Source
1947	HARTWELL 0 E MRS	Los Angeles Directory Co.

1250 N SANTA FE AVE

Year	Uses	Source
1995	GREGORY ERIC	Pacific Bell
	GREGORY COMMUNICATIONS	Pacific Bell

1303 N SANTA FE AVE

Year	Uses	Source
2014	GEORGE BAYNORI	Cole Information Services
2009	EFRIN DEMARA	Cole Information Services
2004	GEORGE BAYNORI	Cole Information Services
2001	BAYNORIGWorge	Haines & Company, Inc.
1999	EFRIN DEMARA	Cole Information Services
1995	Murrieta Guadalupe	Pacific Bell
1994	MURRIETA, G	Cole Information Services
1951	AStroup J E	Pacific Directory Co.
1947	Stroup J E	Pacific Directory Co.
1940	AManning H B Mrs	Los Angeles Directory Co.

1304 N SANTA FE AVE

Year	Uses	Source
1951	Wotzel Wm	Pacific Directory Co.
1947	Plechas N P	Pacific Directory Co.
	King J V	Pacific Directory Co.

1305 N SANTA FE AVE

Year	Uses	Source
2014	CENOBIO HUERTA	Cole Information Services
2009	GLORIA VEGA	Cole Information Services
2004	EDWIN CASTRO	Cole Information Services
2001	LOPEZJOSR	Haines & Company, Inc.
1999	GLORIA VEGA	Cole Information Services
1981	JACKSON ANNIE L COMPTON	Pacific Telephone
1951	Thompson L P	Pacific Directory Co.

1306 N SANTA FE AVE

Year	Uses	Source
1951	Strem C E S	Pacific Directory Co.
1947	Strem C E S	Pacific Directory Co.

FINDINGS

1310 N SANTA FE AVE

Year	Uses	Source
1951	Shanahan F M R9	Pacific Directory Co.
1947	Shanahan F M	Pacific Directory Co.

1320 N SANTA FE AVE

Year	Uses	Source
2014	SYLVIA SEIVERSON	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2004	LATHERSTER WILSON	Cole Information Services
2001	WILSONLa Rhersler	Haines & Company, Inc.

N VAN NESS AVE

803 N VAN NESS AVE

Year	Uses	Source
2014	RICHARD PARKER	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
2009	RICHARD PARKER	Cole Information Services
	GREGORY HOPKINS	Cole Information Services
2004	VIVIAN PARKER	Cole Information Services
1999	RICHARD PARKER	Cole Information Services
	GREGORY HOPKINS	Cole Information Services
1964	HAMILTON VIRGIL O	Pacific Telephone
1960	HAMILTON VIRGIL O	Pacific Telephone
1951	Baker H J	Pacific Directory Co.
	Ault Mason	Pacific Directory Co.
1947	Ault Mason	Pacific Directory Co.
1940	Vacant	Los Angeles Directory Co.
1931	Albt Mason	Los Angeles Directory Co.

807 N VAN NESS AVE

Year	Uses	Source
2014	SUYAPA GONZALEZ	Cole Information Services
	JOANA AVILES	Cole Information Services
	LETICIA RODRIGUEZ	Cole Information Services
2009	RAY NASH	Cole Information Services
	C WISEMAN	Cole Information Services
	MARVIN DIMAS	Cole Information Services
2004	MIGUEL GOMEZ	Cole Information Services

FINDINGS

Year	Uses	Source
2004	RAY NASH	Cole Information Services
	MANUEL ORTIZ	Cole Information Services
1999	MARVIN DIMAS	Cole Information Services
	C WISEMAN	Cole Information Services
	RAY NASH	Cole Information Services
1964	JENSEN BETTY LOU	Pacific Telephone
1960	JENSEN BETTY LOU	Pacific Telephone
1957	JENSEN C A	Pacific Telephone
1954	JEMSON C A	R. L. Polk & Co.
1951	c Haviland Wm	Pacific Directory Co.
	b Kopnor Frances Mrs	Pacific Directory Co.
	a Lompe J E	Pacific Directory Co.
	Dennis L E c	Pacific Directory Co.
1947	c Porter Gladys	Pacific Directory Co.
	b Buttress J F	Pacific Directory Co.
	a Dameron Lillis Mrs	Pacific Directory Co.
	Booth V J	Pacific Directory Co.
	Dennis L E	Pacific Directory Co.
1940	Mayes C T	Los Angeles Directory Co.
1931	Wilson Henrietta Mrs	Los Angeles Directory Co.

813 N VAN NESS AVE

Year	Uses	Source
2014	OLLIE RICE	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2004	OLLIE RICE	Cole Information Services
1994	RICE, JOSEPH M	Cole Information Services
1951	Davidson Jas	Pacific Directory Co.
1947	Iversen A C	Pacific Directory Co.
1940	Rossier R L	Los Angeles Directory Co.
1931	Peterson L C	Los Angeles Directory Co.

817 N VAN NESS AVE

Year	Uses	Source
2014	WHITNEY MCTHIRSTY	Cole Information Services
2009	KISHA MCTHIRSTY	Cole Information Services
2004	PEDRO ARRIAGA	Cole Information Services
1999	KISHA MCTHIRSTY	Cole Information Services
1964	BOURASSA GEO A	Pacific Telephone

FINDINGS

Year	Uses	Source
1951	Caraway E G Mrs	Pacific Directory Co.
1947	Caraway J C	Pacific Directory Co.
1940	Caraway J C	Los Angeles Directory Co.
1931	Caraway J C	Los Angeles Directory Co.

900 N VAN NESS AVE

Year	Uses	Source
1957	DANTONIO RUSSELL	Pacific Telephone

901 N VAN NESS AVE

Year	Uses	Source
1957	PADERSEN FRED C	Pacific Telephone

903 N VAN NESS AVE

Year	Uses	Source
2014	XAVIER WESTBROOKS	Cole Information Services
2009	JOYCE MARTIN	Cole Information Services
2004	CLARENCE WESTBROOKS	Cole Information Services
1999	JOYCE MARTIN	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1951	OConnell D P	Pacific Directory Co.
1947	Dowd Edw	Pacific Directory Co.

904 N VAN NESS AVE

Year	Uses	Source
1957	OLSON KATHERINE	Pacific Telephone

905 N VAN NESS AVE

Year	Uses	Source
2014	EULA LOCKETT	Cole Information Services
2009	EULA LOCKETT	Cole Information Services
2004	EULA LOCKETT	Cole Information Services
1999	EULA LOCKETT	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1994	LOCKETT, WALTER T	Cole Information Services
1951	Theodoroff T J	Pacific Directory Co.
1947	Muir M L Mrs	Pacific Directory Co.

FINDINGS

907 N VAN NESS AVE

Year	Uses	Source
1954	BEALL WALTER G	R. L. Polk & Co.

908 N VAN NESS AVE

Year	Uses	Source
1957	LESSJERALDS	Pacific Telephone
1954	NESS JERALD S	R. L. Polk & Co.

909 N VAN NESS AVE

Year	Uses	Source
2014	DAVID HOLBERT	Cole Information Services
2009	GERARD DAVIS	Cole Information Services
2004	DAVID HOLBERT	Cole Information Services
1999	GERARD DAVIS	Cole Information Services
1951	Jaeger A U Mrs	Pacific Directory Co.
1947	Jaeger A U Mrs	Pacific Directory Co.

911 N VAN NESS AVE

Year	Uses	Source
2014	ROLANDO IXTLILCO	Cole Information Services
2009	ROLANDO IXTLILCO	Cole Information Services
2004	ANGELICA RODRIGUEZ	Cole Information Services
1999	ROLANDO IXTLILCO	Cole Information Services
1951	Kirby D H	Pacific Directory Co.
1950	KIRBY DEAN H R	Pacific Telephone
1947	Ulbrich H G	Pacific Directory Co.

917 N VAN NESS AVE

Year	Uses	Source
2014	SANTOS ALONSO	Cole Information Services
2009	SANTOS ALONSO	Cole Information Services
2004	MANUEL CRUZ	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
	SANTOS ALONSO	Cole Information Services
1960	WEIR ALICE E	Pacific Telephone
	PENDRY MAVIN	Pacific Telephone
1951	Needham H Mrs	Pacific Directory Co.
1947	Williamson C J	Pacific Directory Co.
1940	Mallonee L C	Los Angeles Directory Co.
1931	Flink F A	Los Angeles Directory Co.

FINDINGS

918 N VAN NESS AVE

Year	Uses	Source
1954	NEAL ROBT	R. L. Polk & Co.

919 N VAN NESS AVE

Year	Uses	Source
2014	GREGORIO VAZQUEZ	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
2009	GREGORIO VAZQUEZ	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
	MARIO VENTURA	Cole Information Services
	BLANCA AVILAALVARADO	Cole Information Services
	RAFAEL MALDONADO	Cole Information Services
1999	GREGORIO VAZQUEZ	Cole Information Services
1994	MALDONADO, RAFAEL	Cole Information Services
	HERNANDEZ, JUAN C	Cole Information Services
	MENDOZA, JOSE D	Cole Information Services
1951	Mallonee W L	Pacific Directory Co.
1950	MALLONE WALTER L R	Pacific Telephone
1947	Mallonee W L	Pacific Directory Co.
1940	Caplin G B	Los Angeles Directory Co.
1931	Joneely B B	Los Angeles Directory Co.

1001 N VAN NESS AVE

Year	Uses	Source
2014	VALENTIN PADILLA	Cole Information Services
2009	LILIANA DURAN	Cole Information Services
2004	MARIA ZAMARRIPA	Cole Information Services
1999	LILIANA DURAN	Cole Information Services
1964	STARR M Q	Pacific Telephone
1960	STARR M Q	Pacific Telephone
1957	STARR M Q	Pacific Telephone
1954	STARR M Q R	R. L. Polk & Co.
1951	Starr M	Pacific Directory Co.
1950	STARR M Q R	Pacific Telephone
1947	Starr M E Mrs	Pacific Directory Co.
1940	King J N	Los Angeles Directory Co.
1931	Slyder J D	Los Angeles Directory Co.

FINDINGS

1007 N VAN NESS AVE

Year	Uses	Source
2014	MONTRELLA GALBRETH	Cole Information Services
2009	MONTRELLA GALBRETH	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	MONTRELLA GALBRETH	Cole Information Services
1951	Oakland MMR	Pacific Directory Co.
1947	Oakland M M	Pacific Directory Co.
1940	Minell John	Los Angeles Directory Co.
1931	Harstad C N	Los Angeles Directory Co.

1110 N VAN NESS AVE

Year	Uses	Source
2014	CHARLIE LANE	Cole Information Services
2009	CHARLIE LANE	Cole Information Services
2004	CHARLIE LANE	Cole Information Services
1999	CHARLIE LANE	Cole Information Services
1994	LANE, CHARLIE	Cole Information Services
1960	RASH ORIA	Pacific Telephone
1951	Jacobs Garrett	Pacific Directory Co.
1947	Julian R	Pacific Directory Co.

1113 N VAN NESS AVE

Year	Uses	Source
2014	KEYLA STRAUGHTER	Cole Information Services
2009	DON TISBY	Cole Information Services
2004	TAMISHA JOHNSON	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
	DON TISBY	Cole Information Services
1964	GOUZE JAS L	Pacific Telephone
1960	GOUZE JAS L	Pacific Telephone
1957	GOUZE JAS L	Pacific Telephone
1954	GOUZE JAS L	R. L. Polk & Co.
1951	Tyson WO	Pacific Directory Co.
1950	TYSON WMR	Pacific Telephone
1947	Tyson WO	Pacific Directory Co.

1116 N VAN NESS AVE

Year	Uses	Source
2014	ROBERTO HERNANDEZ	Cole Information Services

FINDINGS

Year	Uses	Source
2014	GREGORIO ALVAREZ	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2004	ARACELI MONTES	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
1951	Kissam C W	Pacific Directory Co.
1947	Ford G C	Pacific Directory Co.
1940	Ford G C	Los Angeles Directory Co.

1117 N VAN NESS AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	JESSIE FLOYD	Cole Information Services
2004	JESSIE FLOYD	Cole Information Services
1999	JESSIE FLOYD	Cole Information Services
1994	FLOYD, WILMA L	Cole Information Services
1964	GERSTMAR PAULA J	Pacific Telephone
1960	GERSTMAR PAULA J	Pacific Telephone
1957	GERSTMAR PAULA J	Pacific Telephone
1954	LEONBARDT EVERETT R R	R. L. Polk & Co.
1951	Leonhardt E R Co	Pacific Directory Co.
1950	LEONHARDT EVERETT R R	Pacific Telephone
1947	Leonhardt E R	Pacific Directory Co.
1940	Leonhardt B R	Los Angeles Directory Co.

1200 N VAN NESS AVE

Year	Uses	Source
2014	SERGIO CANO	Cole Information Services
2009	KENA WESNER	Cole Information Services
2004	KENA WESNER	Cole Information Services
1999	KENA WESNER	Cole Information Services
1994	MARTINEZ, BERTHA	Cole Information Services
1951	Fairbanks F E	Pacific Directory Co.
1947	Fairbanks F E	Pacific Directory Co.
1940	Crain C R	Los Angeles Directory Co.

1203 N VAN NESS AVE

Year	Uses	Source
2014	O LETICIA	Cole Information Services
2009	JUAN MARTINEZ	Cole Information Services

FINDINGS

Year	Uses	Source
2004	FLORENTINO DOMINGUEZ	Cole Information Services
1999	JUAN MARTINEZ	Cole Information Services
1964	SLOAN W O	Pacific Telephone
1960	SLOAN W O	Pacific Telephone
1957	SLOAN W	Pacific Telephone
1954	SLOAN W O R	R. L. Polk & Co.
1951	Sloan W O	Pacific Directory Co.
1950	SLOAN W0R	Pacific Telephone
1947	Sloan W	Pacific Directory Co.
1940	Sloan W O	Los Angeles Directory Co.

1206 N VAN NESS AVE

Year	Uses	Source
2014	FERNANDO SIORDIA	Cole Information Services
2009	J NANCY	Cole Information Services
2004	VIRGINIA RENTY	Cole Information Services
1999	J NANCY	Cole Information Services
1951	Mc Cormick J R	Pacific Directory Co.
1947	Mc Cormick J R	Pacific Directory Co.

1208 N VAN NESS AVE

Year	Uses	Source
1940	Mc Cormick J R	Los Angeles Directory Co.

1209 N VAN NESS AVE

Year	Uses	Source
2014	CAROL TAYLOR	Cole Information Services
2009	CAROL TAYLOR	Cole Information Services
2004	CAROL TAYLOR	Cole Information Services
1999	CAROL TAYLOR	Cole Information Services
1954	STOCKWELL W J R	R. L. Polk & Co.
1951	Lake A L	Pacific Directory Co.
	Stockwell W J	Pacific Directory Co.
1950	STOCKWERL W JR	Pacific Telephone
1947	Stockwell W J	Pacific Directory Co.
1940	AStockwell W J	Los Angeles Directory Co.

1210 N VAN NESS AVE

Year	Uses	Source
2014	JOSE CERVANTES	Cole Information Services

FINDINGS

Year	Uses	Source
2009	OCCUPANT UNKNOWN	Cole Information Services
1964	LAKE D LOREN	Pacific Telephone
	LAKE A L	Pacific Telephone
1960	LAKE D LOREN	Pacific Telephone
	LAKE A L	Pacific Telephone
1957	LAKE 0LOREN -NEWMRK 1-5949	Pacific Telephone
	LAKE A L	Pacific Telephone
1954	LAKED LOREN	R. L. Polk & Co.
	LAKEA L M R	R. L. Polk & Co.
1950	LAKE A L R	Pacific Telephone
1947	Lake A L	Pacific Directory Co.
1940	Lake A L	Los Angeles Directory Co.

1301 N VAN NESS AVE

Year	Uses	Source
2014	ADAM SANCHEZ	Cole Information Services
2009	LINA SAUCEDO	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
	LINA SAUCEDO	Cole Information Services
1985	IVERSEN ALFRED C	Pacific Bell
1980	IVERSEN ALFRED C	Pacific Telephone
1975	IVERSEN ALFRED C	Pacific Telephone
1964	IVERSEN ALFRED C	Pacific Telephone
1960	IVERSEN ALFRED C	Pacific Telephone
1957	IVERSEN ALFRED C	Pacific Telephone
1954	IVERSEN ALFRED C R	R. L. Polk & Co.
1950	IVERSEN ALFRED C R	Pacific Telephone

1304 N VAN NESS AVE

Year	Uses	Source
2014	GUILLERMO CORTES	Cole Information Services
2009	SHONNA HARVEY	Cole Information Services
2004	HAROLD PRICE	Cole Information Services
1999	SHONNA HARVEY	Cole Information Services
1964	DUNHAM MABEL I	Pacific Telephone
1960	DUNHAM MABEL I	Pacific Telephone
1951	Vick A E	Pacific Directory Co.
1950	MAXSON DARWIN R	Pacific Telephone
1947	Maxson D B	Pacific Directory Co.

FINDINGS

1307 N VAN NESS AVE

Year	Uses	Source
2014	IGNACIO RODRIGUEZ	Cole Information Services
2009	VIDAL RODRIGUEZ	Cole Information Services
2004	OLGA RODRIGUEZ	Cole Information Services
1999	IGNACIO RODRIQUEZ	Cole Information Services
	VIDAL RODRIGUEZ	Cole Information Services
1960	HEROLD JEAN	Pacific Telephone
1957	RAIDJEAN	Pacific Telephone
1954	HEROLD JEAN	R. L. Polk & Co.
1951	Herold J J	Pacific Directory Co.
1950	SELF ERNIE R	Pacific Telephone
1947	Voight Werner	Pacific Directory Co.
1940	Churness BE B	Los Angeles Directory Co.

1310 N VAN NESS AVE

Year	Uses	Source
2014	SHEILA HAMMONDS	Cole Information Services
2009	MAE HAMMONDS	Cole Information Services
2004	MAE HAMMONDS	Cole Information Services
1999	MAE HAMMONDS	Cole Information Services
1951	Windham R E	Pacific Directory Co.
1947	Harvey V A	Pacific Directory Co.
1940	Parsons H G	Los Angeles Directory Co.
1931	Eveler A C	Los Angeles Directory Co.

1311 N VAN NESS AVE

Year	Uses	Source
2014	MOISES GONZALEZ	Cole Information Services
2009	MOISES GONZALEZ	Cole Information Services
2004	MARGIE STATEN	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1999	MOISES GONZALEZ	Cole Information Services
1994	STATEN, MARGIE	Cole Information Services
1964	DEINES S H	Pacific Telephone
1960	DEINES S H	Pacific Telephone
1957	EEINES S H	Pacific Telephone
1954	WHITEHEAD R C R	R. L. Polk & Co.
1951	Whitehead R C contr	Pacific Directory Co.
1950	WHITEHEAD R C R	Pacific Telephone

FINDINGS

Year	Uses	Source
1947	Whitehead R C	Pacific Directory Co.

1314 N VAN NESS AVE

Year	Uses	Source
2014	MARK STUCKEY	Cole Information Services
2009	MARK STUCKEY	Cole Information Services
2004	OSCAR STUCKEY	Cole Information Services
1999	MARK STUCKEY	Cole Information Services
1951	Sinclair J J	Pacific Directory Co.
1947	Sinclair J J	Pacific Directory Co.

1315 N VAN NESS AVE

Year	Uses	Source
2014	VELMA DAVIS	Cole Information Services
2009	EVERETTE HAYES	Cole Information Services
2004	EVERETTE HAYES	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
	EVERETTE HAYES	Cole Information Services
1951	Hastings B W	Pacific Directory Co.
1947	Cohea R J	Pacific Directory Co.
1940	Schleieaum W J	Los Angeles Directory Co.

1318 N VAN NESS AVE

Year	Uses	Source
2014	RODNEY POLK	Cole Information Services
2009	RODNEY POLK	Cole Information Services
2004	RODNEY POLK	Cole Information Services
1999	RODNEY POLK	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1951	Byran J M Mrs Rm	Pacific Directory Co.
1950	BRYAN ELIZABETH J R	Pacific Telephone
1947	Bryan J M Mrs	Pacific Directory Co.
1940	ABryan EUz J	Los Angeles Directory Co.
	Bryan Jessie Mrs	Los Angeles Directory Co.
1931	Vacant	Los Angeles Directory Co.

1319 N VAN NESS AVE

Year	Uses	Source
2014	SHEILA KILGORE	Cole Information Services
2009	ALBERT KILGORE	Cole Information Services

Year	Uses	Source
2004	ALBERT KILGORE	Cole Information Services
1999	ALBERT KILGORE	Cole Information Services
1994	KILGORE, ALBERT	Cole Information Services
1960	CONVERSE A R	Pacific Telephone
1957	COPS L A	Pacific Telephone
1954	COPS L A R	R. L. Polk & Co.
1951	Cops L A	Pacific Directory Co.
1950	COPS L A R	Pacific Telephone
1947	Cops L A	Pacific Directory Co.

PEARL AVE N

802 PEARL AVE N

Year	Uses	Source
1940	Al Yisher Sarah Mrs	Los Angeles Directory Co.

803 PEARL AVE N

Year	Uses	Source
1940	Smith Wm	Los Angeles Directory Co.

806 PEARL AVE N

Year	Uses	Source
1940	Goode C T	Los Angeles Directory Co.

807 PEARL AVE N

Year	Uses	Source
1940	AAllen C C	Los Angeles Directory Co.

811 PEARL AVE N

Year	Uses	Source
1940	Ilercer P H	Los Angeles Directory Co.

812 PEARL AVE N

Year	Uses	Source
1940	Gates F M Mrs	Los Angeles Directory Co.

815 PEARL AVE N

Year	Uses	Source
1940	Silvis H C	Los Angeles Directory Co.

FINDINGS

818 PEARL AVE N

Year	Uses	Source
1940	ACalongg e E J	Los Angeles Directory Co.

900 PEARL AVE N

Year	Uses	Source
1940	Dowd Edw	Los Angeles Directory Co.

903 PEARL AVE N

Year	Uses	Source
1940	Workman Fred	Los Angeles Directory Co.

907 PEARL AVE N

Year	Uses	Source
1940	Dreischmeyer IH D	Los Angeles Directory Co.

909 PEARL AVE N

Year	Uses	Source
1940	Burris Marvin	Los Angeles Directory Co.

915 PEARL AVE N

Year	Uses	Source
1940	Mc Govney R W	Los Angeles Directory Co.

919 PEARL AVE N

Year	Uses	Source
1940	AGoldsmith G W	Los Angeles Directory Co.

922 PEARL AVE N

Year	Uses	Source
1940	ABarton A K	Los Angeles Directory Co.

923 PEARL AVE N

Year	Uses	Source
1940	Vacant	Los Angeles Directory Co.

925 PEARL AVE N

Year	Uses	Source
1940	ADe Hetre Wm	Los Angeles Directory Co.

926 PEARL AVE N

Year	Uses	Source
1940	Clark C P	Los Angeles Directory Co.

FINDINGS

1002 PEARL AVE N

Year	Uses	Source
1940	Shepard B M	Los Angeles Directory Co.

1006 PEARL AVE N

Year	Uses	Source
1940	Tuttle W N	Los Angeles Directory Co.

1009 PEARL AVE N

Year	Uses	Source
1940	Kelley B J	Los Angeles Directory Co.

1111 PEARL AVE N

Year	Uses	Source
1940	Vacant	Los Angeles Directory Co.

1113 PEARL AVE N

Year	Uses	Source
1940	Garton W EH	Los Angeles Directory Co.

1117 PEARL AVE N

Year	Uses	Source
1940	Hamblbfn G H	Los Angeles Directory Co.

1118 PEARL AVE N

Year	Uses	Source
1940	Dickerson L B	Los Angeles Directory Co.

1201 PEARL AVE N

Year	Uses	Source
1940	Starr W T	Los Angeles Directory Co.

1202 PEARL AVE N

Year	Uses	Source
1940	Warden H L	Los Angeles Directory Co.

1206 PEARL AVE N

Year	Uses	Source
1940	Breen A J	Los Angeles Directory Co.

1210 PEARL AVE N

Year	Uses	Source
1940	ONeal B B	Los Angeles Directory Co.

FINDINGS

1300 PEARL AVE N

Year	Uses	Source
1940	Lowe D E	Los Angeles Directory Co.

1306 PEARL AVE N

Year	Uses	Source
1940	Ramer D B	Los Angeles Directory Co.

1307 PEARL AVE N

Year	Uses	Source
1940	Grant F L	Los Angeles Directory Co.

1311 PEARL AVE N

Year	Uses	Source
1940	Bremmer R A	Los Angeles Directory Co.

1314 PEARL AVE N

Year	Uses	Source
1940	Winston Leah C	Los Angeles Directory Co.

ROSECRANS AVE

720 ROSECRANS AVE

Year	Uses	Source
1976	Polk Will	Pacific Telephone

809 ROSECRANS AVE

Year	Uses	Source
1976	Intra Drugs Medical Pharmacy	Pacific Telephone

911 ROSECRANS AVE

Year	Uses	Source
1976	Metropolitan Gazette	Pacific Telephone

914 ROSECRANS AVE

Year	Uses	Source
1976	Dalmar Glass Co	Pacific Telephone

1004 ROSECRANS AVE

Year	Uses	Source
1976	Grimes Ingrid	Pacific Telephone

FINDINGS

1005 ROSECRANS AVE

Year	Uses	Source
1976	Smittys Liquor & Deli	Pacific Telephone

VAN NESS AVE

1200 VAN NESS AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1964	ROBINSON JACK DUTCH	Pacific Telephone
1957	SUMMERS EARLE J	Pacific Telephone
1954	FAIRBANKS F E R	R. L. Polk & Co.
1950	FAIRBANKS F E R	Pacific Telephone

1206 VAN NESS AVE

Year	Uses	Source
2001	RENTYSVrginia N	Haines & Company, Inc.
1985	BLAKE ALBERT K	Pacific Bell
1980	BLAKE ALBERT K	Pacific Telephone
1975	BLAKE ALBERT K	Pacific Telephone
1964	BLAKE ALBERT K	Pacific Telephone
1960	MCCORMICK JOHN R	Pacific Telephone
1957	MCCORMICK JOHN R	Pacific Telephone
1954	MCCORMICK JOHN R R	R. L. Polk & Co.
1950	MCCORMICK JOHN R R	Pacific Telephone

1310 VAN NESS AVE

Year	Uses	Source
2001	HAMMONDSMae	Haines & Company, Inc.
1954	WINDHAM ROY E R	R. L. Polk & Co.
1950	WINDHAM ROY E R	Pacific Telephone

1314 VAN NESS AVE

Year	Uses	Source
1957	SINCLAIR JOHN J	Pacific Telephone
1954	SINCLAIR JOHN J R	R. L. Polk & Co.
1950	SINCLAIR JOHN J R	Pacific Telephone

1315 VAN NESS AVE

Year	Uses	Source
2001	OHAYES Everette	Haines & Company, Inc.

FINDINGS

Year	Uses	Source
1960	HANLON LEWIS T	Pacific Telephone
1957	DGWD ED SR	Pacific Telephone
1954	DOWD ED SR	R. L. Polk & Co.
1950	COHEA RALPH R	Pacific Telephone

FINDINGS

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
1000 E ROSECRANS AVE	2009, 2006, 2004, 2003, 2001, 2000, 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
1000 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 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
1000 MAYO AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1000 N MAYO AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1000 N MAYO AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1001 E ROSECRANS AVE	2006, 2003, 2001, 2000, 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
1001 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 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
1001 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1001 N CHESTER AVE	2006, 2003, 2001, 2000, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
1001 N VAN NESS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1001 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1002 E KAY ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1002 E KAY ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1002 KAY	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 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
1002 KAY ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 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
1002 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1002 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1002 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1002 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 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
1003 KAY ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 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
1003 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1003 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1003 N SANTA FE AVE	2006, 2003, 2001, 2000, 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
1004 E ROSECRANS AVE	2006, 2003, 2001, 2000, 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
1004 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 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
1004 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1004 ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
1005 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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
1005 N CHESTER 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

FINDINGS

Address Researched	Address Not Identified in Research Source
1005 ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
1006 KAY ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 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
1006 MAYO AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1006 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1006 N MAYO AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1006 N MAYO AVE	2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
1006 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1006 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1006 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1007 KAY ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 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
1007 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1007 N SANTA FE AVE	2006, 2003, 2001, 2000, 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
1007 N VAN NESS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1007 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1008 N CHESTER AVE	2014, 2009, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
1009 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1009 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1009 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
1009 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
1009 N SANTA FE AVE	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
1009 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1010 MAYO AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1010 N MAYO AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1010 N MAYO AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1011 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 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
1012 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 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
1013 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1013 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1014 E ROSECRANS AVE	2014, 2009, 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
1014 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 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
1016 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 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
1016 E ROSECRANS AVE	2006, 2004, 2003, 2001, 2000, 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
1021 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
1052 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 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
1096 N MAYO AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
1105 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 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
1107 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1110 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1110 N CHESTER AVE	2006, 2003, 2001, 2000, 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
1110 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 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
1110 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1110 N VAN NESS AVE	2006, 2003, 2001, 2000, 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
1111 N PEARL AVE	2006, 2003, 2001, 2000, 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
1111 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1111 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1112 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1112 N SANTA FE AVE	2014, 2009, 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
1113 1/2 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1113 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1113 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
1113 N SANTA FE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1113 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
1113 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1113 N VAN NESS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1113 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1116 N SANTA FE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1116 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
1116 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 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
1116 N VAN NESS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1117 N CHESTER AVE	2006, 2003, 2001, 2000, 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
1117 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1117 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1117 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1117 N SANTA FE AVE	2006, 2003, 2001, 2000, 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
1117 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1117 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1117 N VAN NESS AVE	2006, 2003, 2001, 2000, 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
1117 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 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
1118 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1118 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1120 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 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
1130 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
1145 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
1200 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1200 N CHESTER AVE	2009, 2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1200 N SANTA FE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1200 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
1200 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1200 N VAN NESS AVE	2006, 2003, 2001, 2000, 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
1200 VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 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
1201 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1201 N PEARL AVE	2006, 2003, 2001, 2000, 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
1201 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1980, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 N PEARL AVE	2006, 2003, 2001, 2000, 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
1202 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1203 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1203 N CHESTER AVE	2006, 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
1203 N SANTA FE AVE	2009, 2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1203 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
1203 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1203 N VAN NESS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1204 N SANTA FE AVE	2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
1204 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
1205 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1205 N PEARL AVE	2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
1206 N CHESTER AVE	2006, 2003, 2001, 2000, 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
1206 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
1206 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 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
1206 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1206 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
1206 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1206 N VAN NESS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1206 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1206 VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 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
1207 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1207 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1207 N SANTA FE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
1207 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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
1208 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
1208 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1208 N SANTA FE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
908 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 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
908 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
908 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 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
909 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
909 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
909 N PEARL AVE	2006, 2003, 2001, 2000, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
909 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 N SANTA FE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
909 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
909 N VAN NESS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
909 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 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
910 MAYO AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
910 N MAYO AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
910 N MAYO AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 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
910 N PEARL AVE	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
910 N SANTA FE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
910 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
911 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 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
911 E ROSECRANS AVE	2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
911 N CHESTER AVE	2006, 2003, 2001, 2000, 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
911 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
911 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
911 N VAN NESS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
911 ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
912 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 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
912 E ROSECRANS AVE	2006, 2003, 2001, 2000, 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
912 N PEARL AVE	2006, 2004, 2003, 2001, 2000, 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
912 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
914 MAYO AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
914 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
914 N CHESTER AVE	2014, 2006, 2003, 2001, 2000, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
914 N MAYO AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
914 N MAYO AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
914 ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
915 MAYO AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
915 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
915 N CHESTER AVE	2006, 2003, 2001, 2000, 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
915 N MAYO AVE	2006, 2004, 2003, 2001, 2000, 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
915 N MAYO AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
915 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
915 N PEARL AVE	2009, 2006, 2003, 2001, 2000, 1996, 1995, 1994, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
915 N SANTA FE AVE	2006, 2003, 2001, 2000, 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
915 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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
915 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
916 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
916 N SANTA FE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
917 N VAN NESS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
917 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
918 MAYO AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
918 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
918 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
918 N MAYO AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
918 N MAYO AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1952, 1951, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
918 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
918 N PEARL AVE	2006, 2003, 2001, 2000, 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
918 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 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
918A N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 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
919 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
919 N CHESTER AVE	2006, 2003, 2001, 2000, 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
919 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
919 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
919 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
919 N SANTA FE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
919 N VAN NESS AVE	2006, 2003, 2001, 2000, 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
919 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
919 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
920 E KAY ST	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
920 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
922 MAYO AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
922 N CHESTER AVE	2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
922 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
922 N MAYO AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
922 N MAYO AVE	2009, 2006, 2004, 2003, 2001, 2000, 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
922 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
922 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
922 N SANTA FE AVE	2006, 2003, 2001, 2000, 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
922 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
922 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
923 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
923 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
923 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
923 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
923 N SANTA FE AVE	2006, 2003, 2001, 2000, 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
923 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
923 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 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
925 E KAY ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
925 E KAY ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 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
925 E ROSECRANS AVE	2009, 2006, 2003, 2001, 2000, 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
925 KAY ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 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
925 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
925 N PEARL AVE	2006, 2003, 2001, 2000, 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
925 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
926 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
926 N CHESTER AVE	2006, 2003, 2001, 2000, 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
926 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
926 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
926 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 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
927 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
928 E KAY ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
928 E KAY ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
928 KAY ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 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
929 E KAY ST	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
929 E KAY ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
929 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 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
929 KAY ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 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
931 E KAY ST	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 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
931 E KAY ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
931 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 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
931 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 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
931 KAY ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 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
932 N CHESTER AVE	2014, 2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
933 E ROSECRANS AVE	2014, 2006, 2003, 2001, 2000, 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
935 E ROSECRANS AVE	2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
935 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
937 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
937 E ROSECRANS AVE	2014, 2009, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
939 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 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
1208 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
1208 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1209 N CHESTER AVE	2014, 2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1209 N VAN NESS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1209 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1210 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
1210 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1210 N PEARL AVE	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
1210 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 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
1210 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1210 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1210 N VAN NESS AVE	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
1210 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1211 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1211 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1211 N PEARL AVE	2006, 2003, 2001, 2000, 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
1211 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1211 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1211 N SANTA FE AVE	2006, 2003, 2001, 2000, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
1212 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1212 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
1212 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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
1212 N SANTA FE AVE	2006, 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
1214 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
1214 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1215 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1215 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1215 N SANTA FE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1215 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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, 1950, 1949, 1948, 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
1216 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
1216 N SANTA FE AVE	2006, 2003, 2001, 2000, 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
1216 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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
1217 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
1218 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1219 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1219 N SANTA FE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1220 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
1250 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 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
1300 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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, 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
1300 N CHESTER AVE	2006, 2003, 2001, 2000, 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
1300 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1300 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1300 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1301 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1301 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1301 N VAN NESS AVE	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
1301 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 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
1303 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1303 N CHESTER AVE	2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
1303 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1303 N SANTA FE AVE	2006, 2003, 2001, 2000, 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
1304 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
1304 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1304 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1304 N VAN NESS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1305 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
1305 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 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
1305 N SANTA FE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1306 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 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
1306 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1306 N PEARL AVE	2006, 2003, 2001, 2000, 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
1306 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1306 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1306 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1307 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
1307 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1307 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1307 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1307 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 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
1307 N VAN NESS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1307 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1308 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 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
1308 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1310 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1310 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1310 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1310 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1310 N VAN NESS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1310 VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1952, 1951, 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
1311 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1311 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1311 N PEARL AVE	2006, 2003, 2001, 2000, 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
1311 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1311 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1311 N VAN NESS AVE	2006, 2003, 2001, 2000, 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
1311 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1314 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1314 N CHESTER AVE	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
1314 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 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
1314 N PEARL AVE	2006, 2003, 2001, 2000, 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
1314 N VAN NESS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1314 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1314 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1314 VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 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
1315 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1315 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1315 N VAN NESS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1315 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1315 VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 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
1317 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1317 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1318 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1318 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1318 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1318 N VAN NESS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
1319 N VAN NESS AVE	2006, 2003, 2001, 2000, 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
1319 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1320 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
1320 N SANTA FE AVE	2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
1400 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1403 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2917 W. Rosecrans	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
681 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
700 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 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
700 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 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
701 E ROSECRANS AVE	2006, 2003, 2001, 2000, 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
701 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 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
704 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
707 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 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
709 1/2 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 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
709 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1956, 1955, 1952, 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
710 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 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
711 1/2 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 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
711 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
711 E ROSECRANS AVE	2006, 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
712 E ROSECRANS AVE	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
715 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 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
716 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
719 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 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
720 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
720 E ROSECRANS AVE	2009, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
720 ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
722 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
722 E ROSECRANS AVE	2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
728 E ROSECRANS AVE	2014, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
771 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1926, 1925, 1924, 1923, 1921, 1920
801 CHESTER AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
801 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 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
801 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 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
801 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
801 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
802 CHESTER AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
802 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
802 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
802 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
802 N PEARL AVE	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
802 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
803 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 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
803 E ROSECRANS AVE	2006, 2004, 2003, 2001, 2000, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
803 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
803 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
803 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
803 N VAN NESS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
803 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
804 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
804 E ROSECRANS AVE	2006, 2003, 2001, 2000, 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
804 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
804 N SANTA FE AVE	2014, 2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
805 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 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
806 CHESTER AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
806 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
806 N CHESTER AVE	2006, 2003, 2001, 2000, 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
806 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
806 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
806 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
806 N SANTA FE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
806 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
807 CHESTER AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
807 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 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
807 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
807 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
807 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
807 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
807 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
807 N VAN NESS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
807 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
808 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
808 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
808 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
809 E ROSECRANS AVE	2006, 2003, 2001, 2000, 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
809 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 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
809 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
809 ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
810 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
810 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 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
810 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
810 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
810 N SANTA FE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
811 CHESTER AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 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
811 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
811 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
811 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
811 N PEARL AVE	2006, 2003, 2001, 2000, 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
811 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
811 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
812 1/2 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
812 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
812 E ROSECRANS AVE	2006, 2003, 2001, 2000, 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
812 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
812 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
812 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
812 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
813 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
813 N VAN NESS AVE	2006, 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
813 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
814 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
814 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
814 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
815 CHESTER AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 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
815 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 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
815 E. Rosecrans	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 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
815 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
815 N CHESTER AVE	2014, 2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
815 N PEARL AVE	2006, 2003, 2001, 2000, 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
815 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
815 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
816 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
816 N SANTA FE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
817 N VAN NESS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
817 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
818 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
818 N PEARL AVE	2006, 2003, 2001, 2000, 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
818 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
818 N SANTA FE AVE	2006, 2003, 2001, 2000, 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
818 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
820 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
825 E KAY ST	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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
828 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 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
828 E ROSECRANS AVE	2006, 2004, 2003, 2001, 2000, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
900 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
900 N MAYO AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
900 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
900 N PEARL AVE	2006, 2003, 2001, 2000, 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
900 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 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
900 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 E ROSECRANS AVE	2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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
901 N MAYO AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
901 N MAYO AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
901 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
901 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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
901 N SANTA FE AVE	2006, 2003, 2001, 2000, 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
901 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 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
902 MAYO AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
902 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
902 N CHESTER AVE	2006, 2003, 2001, 2000, 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
902 N MAYO AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
902 N MAYO AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
902 N SANTA FE AVE	2014, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
903 N CHESTER AVE	2006, 2003, 2001, 2000, 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
903 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
903 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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
903 N SANTA FE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
903 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 N VAN NESS AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
903 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
904 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 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
904 E ROSECRANS AVE	2006, 2003, 2001, 2000, 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
904 MAYO AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
904 N MAYO AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
904 N MAYO AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
904 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
904 N SANTA FE AVE	2006, 2003, 2001, 2000, 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
904 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 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
904 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 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
905 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
905 N SANTA FE AVE	2006, 2004, 2003, 2001, 2000, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
905 N VAN NESS AVE	2006, 2003, 2001, 2000, 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
905 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
906 1/2 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 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
906 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 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
906 E ROSECRANS AVE	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
906 N CHESTER AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
906 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
906 N SANTA FE AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
906 N SANTA FE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
907 N CHESTER AVE	2006, 2003, 2001, 2000, 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

FINDINGS

Address Researched	Address Not Identified in Research Source
907 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
907 N PEARL AVE	2014, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1949, 1948, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1927, 1926, 1925, 1924, 1923, 1921, 1920
907 N PEARL AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 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
907 N SANTA FE AVE	2006, 2003, 2001, 2000, 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
907 N VAN NESS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 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
907 PEARL AVE N	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 E ROSECRANS AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 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
908 E ROSECRANS AVE	2009, 2006, 2003, 2001, 2000, 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
908 N CHESTER AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 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
908 N PEARL AVE	2014, 2006, 2003, 2001, 2000, 1996, 1995, 1994, 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

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
900 Rosecrans	2009, 2006, 2003, 2001, 2000, 1996, 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

Appendix F

Interview Documentation

ALTA ENVIRONMENTAL

3777 LONG BEACH BLVD, ANNEX BLDG. LONG BEACH CA 90807 altaenviron.com o.562.495.5777 f.562.495.5877

PHASE I ESA QUESTIONNAIRE

ASTM E-1527-13 provides Landowner Liability Protections to purchasers of commercial property if All Appropriate Inquiry (AAI) is completed during property acquisition. The answers to the questions below provide information to the Environmental Professional to assist the User of the referenced Phase I ESA to comply with the User Responsibilities of AAI.

Property Description			
Property Address:	900 Rosecrans Ave., Los Angeles, CA 90059		
Current Occupant:	Church of the Reedemer		
Current Owner:	Presbytery of the Pacific	Phone:	310-537-1372
Site Contact:	Mishelle Oun	Phone:	646-580-4016
Potable Water Provider:	Golden State Water Co.		
Electricity Provider:	SCE		
Natural Gas Provider:	SoCal Gas		
Sanitary Sewer Provider:	Consolidated Sewer Maintenance-South Yard		
Solid Waste Disposal Provider:	Waste Management Inc		
Hazardous Waste Disposal:	unknown		
Reason for Performing ESA	Site due diligence for proposed development of a new construction charter school facility on site		

Are you aware of any environmental liens that have been filed or recorded under Federal State, local or tribal law? If yes provide details.
□ Yes ☒ No

Are you aware of any activity or land use limitations (AULs), engineering controls or land use limitations that have been filed or recorded under Federal, State, Local or Tribal Law? If yes, provide details.
□ Yes ☒ No

Do you have any specialized knowledge of the property or experience related to the subject property or nearby properties so that you would have knowledge of chemicals or processes used at the property? If yes, provide details.
□ Yes ☒ No

Is the acquisition price differing from the fair market value of the property?
□ Yes □ No n/a
If there is a difference, have you considered a lower price is due to contamination known or believed to be present at the property? Please provide details.
□ Yes □ No n/a

As the user of this ESA, based on your knowledge and experience with the property, are there any obvious indications of the presence or likely presence of contamination at the property? If yes, provide details.
□ Yes ☒ No

Are you aware of any information that would help the environmental professional identify conditions indicative of releases or potential releases, including past uses of the property, uses of chemicals at the property, or environmental cleanups that have taken place at the property? If yes, provide details.
□ Yes ☒ No

Do you know of any pending, past or threatened litigation or administrative proceedings related to hazardous substances or petroleum products on, in or from the property or any notices regarding possible violations of environmental laws or possible liability related to hazardous substances or petroleum products? If yes, provide details.
□ Yes ☒ No

Are there any chemical storage areas or hazardous material storage areas located at the subject property?
If yes, provide details.
□ Yes ☒ No

Are there any current or historical Aboveground Storage Tanks or Underground Storage Tanks? If yes, provide details.
□ Yes ☒ No

Are there any current or historical wastewater treatment systems, clarifier/interceptor systems, or grease trap systems associated with the subject property? If yes, provide details.
□ Yes □ No

unknown

Are you aware of the existence or location of the following documents related to the subject property, and if yes, can copies be made available for review by the Environmental Professional?

□ Previous Environmental Site Assessment reports or Investigation reports
□ Environmental Permits
□ Registrations for underground storage tanks (USTs)
□ Spill Prevention Containment and Contingency Plans (SPCC)
□ Stormwater Pollution Prevention Plans (SWPPP)
□ Risk Assessments
□ Hydrogeologic Reports related to the property or surrounding area
□ Notices of Violation from governmental agencies regarding past or current violations of environmental laws or related to environmental liens encumbering the property
□ Hazardous waste manifests or generation reports
□ Recorded land and activity use limitations
□ Geotechnical Studies

Mishelle Oun	PCSD/Senior Project Manager
(Name- Authorized User Representative)	(Company/Title)
DocuSigned by: Mishelle Oun F5CA1FB7D78340C...	8/17/20
(Signature)	(Date)

ALTA ENVIRONMENTAL

3777 Long Beach Boulevard Annex Building Long Beach California 90807
T (+1) (310) 530 5006 F (+1) (310) 530 0792 Toll-free (US only) (800) 777-0605
altaenviron.com

Record of Communication

Point of Contact	**Pastor Kelly Allison**	Alta Representative	**Eric Fraske**
Phone No	**Not Provided**	Date	**8/14/2020**
Company	**Church of the Redeemer**	Reference	**PCCD-20-9763**
		Pages	**1 of 1**
Subject	**900 E. Rosecrans**		
		Time	**10:00 AM**

Pastor Allison escorted our assessor during the site reconnaissance. Pastor Allison indicated that he is unaware of any USTs (past or present), contamination, wells, septic, storage tanks or other potential environmental concerns at the Site.

Appendix G

References

REFERENCES

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E 1527-13.

American Society for Testing and Materials, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions, ASTM Designation: E 2600-15

Environmental Data Resources, Inc., Milford, Connecticut, The EDR Aerial Photo Decade Package, Inquiry No. 6132121.11, July 2020.

Environmental Data Resources, Inc., Milford, Connecticut, Certified Sanborn Map Report, Inquiry No. 6132121.3 July 2020.

Environmental Data Resources, Inc., Milford, Connecticut, The EDR Historical Topographic Map Report, Inquiry No. 6132121.4, July 2020.

Environmental Data Resources, Inc., Milford, Connecticut, The EDR Radius Map with Geocheck Report, Inquiry No. 6132121_2, July 2020.

Environmental Data Resources, Inc., Milford, Connecticut, The EDR Environmental Lien and AUL Search, Inquiry No. 6132121, July 2020.

Environmental Data Resources, Inc., Milford, Connecticut, The EDR City Directory Image Report, Inquiry No. 6132121, July 2020.

State Water Resources Control Board, GeoTracker Online Database, Retrieved from http://geotracker.swrcb.ca.gov/, August 2020.

HYDROLOGY / LID REPORT

for

Animo Compton Charter School
900 E. Rosecrans Avenue
Los Angeles, CA 90059

RPPL2021007647
ESTU2022000320

Prepared For:

Green Dot Public schools™

1149 South Hill Street
Suite 600
Los Angeles, CA 90015
323.565.1600

Prepared By:

CCE
DESIGN ASSOCIATES

CCE Design Associates Inc
771 E. Daily Drive
Suite 120
Camarillo, CA 93010
805.738.5434

HYDROLOGY / LID REPORT

for

900 E. Rosecrans Avenue
Los Angeles, CA 90059

RPPL2021007647
ESTU2022000320

Date:	August 15, 2022
Project Manager:	Randy Chapman, P.E. RCE No. 69614
Project Engineer:	Ben Bourne
CCE Job Number:	C20.0195

Prepared By: _____

Randy Chapman, P.E. Date
CCE Design Associates, Inc

1. Table of Contents

2. Introduction

INTRODUCTION AND PROJECT DESCRIPTION

The purpose of this report is to validate the grading and drainage design for the project located at 900 E Rosecrans Ave Los Angeles, CA and the hydrology study is associated with the conditional use permit (RPPL2021007647). The site consists of a grassed lot that once developed will house a Charter School. The development is designed in a manner to comply with applicable zoning and grading requirements without need for any variance.

SITE LOCATION

The project is located on corner of E Rosecrans Ave and Cahita Ave in Compton, California, within the limits of Los Angeles County. Located within the Los Angeles County Flood Control District, this project is subject to the drainage design and LID requirements that have been published by the County.

The project includes the following addresses and APNs:

Address	APN
900 E ROSECRANS AVE	6137-017-001
	6137-032-033

SCOPE OF WORK

The site is approximately 3.33 acres and is currently developed consisting of existing structures, parking area, and a grassed lot. The proposed developments include the construction of a new two-story building for a Charter public school on approximately 1.33 acres of the project site. The new Charter School will provide a campus including multi-purpose rooms, 30 classrooms, outdoor patios, and a shade structure. Also, the remodel of an existing 5,646 sq-ft one-story structure to incorporate a multi-purpose room and administrative offices to support the Charter School is proposed.

3. Objectives

The objective of this report is to determine proposed stormwater flow rates for this project based on existing topography and infrastructure, the changes resulting from the development of this project, and implement LID BMPs to meet local stormwater requirements. This report will address the following items:

- **Drainage Concept** – This report will discuss the proposed drainage concept for the site in further detail and will demonstrate compliance with criteria pursuant to the County of Los Angeles criteria).
- **LID** – This project will be designed in a manner to meet LID criteria. Specifically, LID provides mitigation of increased peak flow and volume generated by site improvements and also provides water quality treatment to address pollutants generated by the site use and identified in downstream receiving waters.
- **Flood Control** – This project will be designed in a manner to meet flood control protection from the 50-year capital storm as well as the FEMA 100-year storm event.

4. Methodology

This hydrology study was prepared using the design criteria and methodology developed by the Los Angeles County Department of Public Works and is in accordance with the 2006 Hydrology Manual. Calculations presented within this study were determined using the LA County Hydrocalc program to determine time of concentration (TC) and onsite flows. The 50-year, 24-hour rainfall depth for the site is approximately 5.95 inches. The site consists of soil ID number 013. Due to this project existing in an urban area, burning, and bulking calculations will not apply for pervious areas.

Per the Los Angeles County LID Manual, the project is considered "Designated" and is required to capture and treat the 85th percentile storm (or the ¾" runoff, whichever is greater). The 85th percentile rainfall depth for this site is 0.90 inch, which is the input value for the LID calculations. The calculations that demonstrate compliance with this requirement are included as an attachment to this report and are discussed herein.

Additionally, the project does not meet the threshold for a hillside project as the natural slopes do not exceed 25%.

This project will meet LID criteria utilizing underground infiltration. Per the site geotechnical report, the soils area able to percolate adequately, and the site provides adequate room to do so without impacting site structural elements and/or property line setbacks.

5. Drainage Concept

The proposed drainage concept is generally matching the existing drainage patterns with some improvements based on added hardscape to improve drainage characteristics. Stormwater will drain from the roof and site areas into area drains which are connected via an underground storm drain system that will convey flows into the proposed underground infiltration system. Pretreatment will be provided in the form of a hydrodynamic separation device prior to flow entering the underground infiltration system. A high flow bypass will be provided for high flow storm events. There is no storm drain system within Cahita Ave or anywhere reasonably close to the property, so all flow will overflow to the street.

With the site grading concept, underground infiltration systems provide the best approach to addressing stormwater concerns. The site intends to utilize an underground infiltration system within the proposed driveway entrance between the proposed Charter school and existing structure. The following points make this the best option for placement of the stormwater treatment system (infiltration system):

- The system is located an adequate distance from existing and proposed structures, as well as setbacks from property lines and public right-of-way;
- The overall grading scheme allows flow to be captured and drained back toward the infiltration system; and,
- The open area allows for easier maintenance and/or replacement if ever required.

Formal BMP calculation to mitigate the 85th percentile storm are included as an attachment to this report, with site-specific detail included for construction. Specific infiltration tests have been provided and adequate factors of safety have been applied to ensure that the system functions as intended.

Note that this system has been designed to overflow to Cahita Avenue before impacting building areas. For this particular site, the existing building is raised approximately 4' from the grades located in Cahita avenue where high flow storm events will disperse. As a result, the likelihood of any flooding impacting the existing and proposed building is near zero, with ponding being a temporary nuisance in substantial storm events. Additionally, the design of the site does allow for easy connection to any future storm drain systems which would solve temporary flooding concerns down the road.

6. Hydrology

Site hydrology was calculated using the hydrologic calculator (HydroCalc) which utilizes MODRAT. MODRAT is based on the Rational Method for hydrologic calculations but uses a time of concentration and a design storm to determine intensities throughout the storm period. Soil type and rainfall depths (isohyet) were taken from the LACDPW Hydrology Manual, and time of concentration inputs, travel distance and slope, were based on proposed grading of the site.

Per County of Los Angeles Isohyetal Map 1-H1.8 map from Appendix B of the Hydrology Manual, the site has a soil classification of 013 and a 50-year, 24-hour rainfall depth of 5.95 inches. Map 1-H1.8 is included within this report as Attachment 1.

Based on the proposed site improvements, most of the site will be left undisturbed (2.00 acres of the overall 3.33-acre site) and the drainage courses for those areas will also be left unchanged. Since none of the undisturbed property area drains through the project site that area was a included in the project tributary area calculations.

As it relates to hydrology, the site was analyzed as one tributary area. Routing through roof drains and downspouts was not included within travel time calculations. The longest flow path was assumed to 129 feet at 0.5-percent for hydrologic calculations.

The following summarizes the hydrologic results for the existing site area. A full table with all input values as well as output files from HydroCalc are included as part of Attachment 2.

Tributary Area ID	Tributary Area		Q10		Q25		Q50	
	Area (sf)	Area (ac)	Rainfall Depth (in.)	Q(clear) (cfs)	Rainfall Depth (in.)	Q(clear) (cfs)	Rainfall Depth (in.)	Q(clear) (cfs)
Existing	58,026	1.33	4.25	3.02	5.22	3.73	5.95	4.25

The following summarizes the hydrologic results for the proposed project. A full table with all input values as well as output files from HydroCalc are included as part of Attachment 2.

Tributary Area ID	Tributary Area		Q10		Q25		Q50	
	Area (sf)	Area (ac)	Rainfall Depth (in.)	Q(clear) (cfs)	Rainfall Depth (in.)	Q(clear) (cfs)	Rainfall Depth (in.)	Q(clear) (cfs)
A	21,717	0.50	4.25	1.14	5.22	1.40	5.95	1.60
B	14,080	0.32	4.25	0.58	5.22	0.77	5.95	0.87
C	16,939	0.39	4.25	0.75	5.22	1.00	5.95	1.25
Remaining Area 1	4,020	0.09	-	-	-	-	-	-
Remaining Area 2	1,270	0.03	-	-	-	-	-	-
Total	58,026	1.33		2.47		3.17		3.72

Note:

1. Remaining Area 1 is landscaped area along the perimeter of E Rosecrans and Cahita Ave. This landscaped area will be self-treating.
2. Remaining Area 2 is an asphalt pavement transition on the west side of the project site. The existing drainage patter will be maintained and drain to the existing concrete valley gutter located in the drive isle.

As the proposed improvements associated with the disturbed area of this project are almost entirely impervious, there are no areas that require burned and bulk flow calculations. Burned and bulked flows only apply to undisturbed-natural areas.

Additionally, the project does not sit within a floodplain and all proposed structures will be protected from the 100-year storm event.

This site is located in an area without adjacent underground storm drain and therefore must surface drain. This is accomplished through the use of an underground storm drain system that discharges into an underground infiltration system that percolates into the soil. This system has been sized in a manner to meet the LID Volume requirements.

7. Stormwater Treatment / LID Plan

PROJECT BACKGROUND

Per Section 2.1 of the LID Manual, as the site is a new development that disturbs over one acre and adds more than 10,000 square feet of impervious surface area, the project is defined as a Designated Project and is required to implement post-construction stormwater management control measure. All Designated Projects must retain 100 percent of the Stormwater Quality Design Volume (SWQDV) on-site through infiltration, evapotranspiration, stormwater runoff harvest and use, or a combination of the three.

Site Assessment

- Project Area Size: 3.33 acres
- Drainage Area (Disturbed) 1.33 acres
- Location of stormwater discharge: Project drains to the curb face along Cahita Ave
- Land Use: R-1 (RESIDENTIAL)
- Activities expected on-site: Charter School

TECHNICAL FEASIBILITY SCREENING

A site-specific soils investigation has been performed for the site by LK Geotechnical Engineering, Inc. on May 28, 2021. Groundwater was not encountered within the exploratory boring to a maximum depth of 41.5 feet below existing grade. Additionally, the potential for liquefaction at the site was deemed low during seismic shaking.

A percolation test using the Los Angeles County method was performed and the measured percolation rate was determined to be 3.46 in/hr. As an infiltration rate of 0.3 in/hr is listed as the minimum percolation rate acceptable for infiltration BMPs, infiltration is deemed feasible for this project.

SITE DESIGN PRINCIPLES AND TECHNIQUES

Site design principles and techniques have been applied to this project to reduce the hydrologic and water quality impacts typically associated with new development. The following is a list of site design features incorporated into this project and a brief explanation of how they are implemented.

- Site planning – The site has been laid out in a manner to minimize disturbing natural areas on site. In addition, retention-based stormwater quality measures have been included as part of the site.
- Minimize land disturbance – To be implemented during construction activities.
- Minimized impervious cover – landscape areas, especially in the form of planters are included through the site where practical. Also, where appropriate landscape areas are provided between the hardscape (front of proposed school, around trash enclosure, etc.)

SOURCE CONTROL MEASURES

The following source control measures have been applied to this project to prevent pollutants from contracting stormwater runoff:

- (S-1) Storm Drain Message and Signage- To be added to all new storm drain inlets per Fact Sheet S-1 within Appendix D of the LID Manual.
- (S-3) Outdoor Trash Storage / Waste Handling Area – Outdoor trash enclosures to be designed in accordance with Fact Sheet S-3 and Table D-3 within Appendix D of the LID Manual.
- (S-8) Landscape Irrigation Practices – To be implemented during the design per Fact Sheet S-8 within Appendix D of the LID Manual.
- (S-9) Building Materials – To be implemented during construction per Fact Sheet S-9 within Appendix D of the LID Manual.

CALCULATE STORMWATER QUALITY DESIGN VOLUME (SWQDV)

As a Designated Project, this project is required to treat the SWQDV. As previously mentioned, the design storm for which the SWQDV is calculated is defined as the greater of; the 0.75-inch, 24-hour rain event, or the 85th percentile, 24-hour rain event determined from the LA County isohyetal map. As the 85th percentile rainfall depth for the project location was determined to be 0.90 inches, the 85th percentile rain event was used for calculation of the SWQDV.

Similar to the hydrologic calculations performed for the larger storm event in the Hydrology section of this report, HydroCalc was utilized to calculate the runoff and volume associated with the stormwater treatment event. Subareas, soil types, and reach lengths and slopes were all the same used for the storm event previously analyzed. (10 – 100-year storm events) with the only input parameter changed being the rainfall depth.

Calculations for the SWQDV are contained within Attachment 3 of this report and are summarized below.

SWQDF = 0.30 cfs
SWQDV = 3,241 cu-ft

STORMWATER QUALITY CONTROL MEASURES

Based on the requirements set forth in the LID Manual, the project is required to retain the SWQDV on-site using retention-based stormwater quality control measures.

This project proposed to implement Propriety Treatment (T-6) in the form of an underground infiltration system (Contech perforated 96-inch CMP or similar) to retain the SWQDV. The infiltration system will include pre-treatment upstream in the form of a hydrodynamic separator (BioClean SCX-04 or similar) to remove trash and sediment prior to runoff entering the infiltration system. Preliminary sizing of the underground infiltration system is included with Attachment 3 of this report.

HYDROMODIFICATION

Per section 8 of the LID Manual, since this project will install new underground storm drain systems what will discharge directly to the curb face in Cahita Ave which ultimately outfalls into a receiving water that is not susceptible to hydromodification impacts, this project is exempt to hydromodification requirements.

8. Summary and Conclusions

The proposed project at 900 E Rosecran in Compton, California intends to construct a new school with associated hardscape and landscape areas. The project's Assessor's ID number is 6179-011-002 & 003. The project site is approximately 3.33 acres and intends to disturb 1.33, with most the disturbed area being new impervious area.

Calculations included within Attachment 2 of this report provides the expected runoff values associated with the 10-, 25-, 50-, and 100-year, 24-hour storm events associated with the development of the site as proposed. As the existing condition of the site is partially developed church building and a grassed lot, no burned and bulk calculations are required.

Additionally, this project meets the requirements outlined within the LACDPW LID Manual through the inclusion of a proposed underground infiltration system with pre-treatment resulting in mitigation of stormwater runoff from entering the gutter in Cahita Ave and ultimately the downstream stormdrain system.

The grading design and underground drainage system are designed in a manner to convey stormwater flows away from structures in a manner to provide protection from flooding pursuant to County of Los Angeles and FEMA requirements.

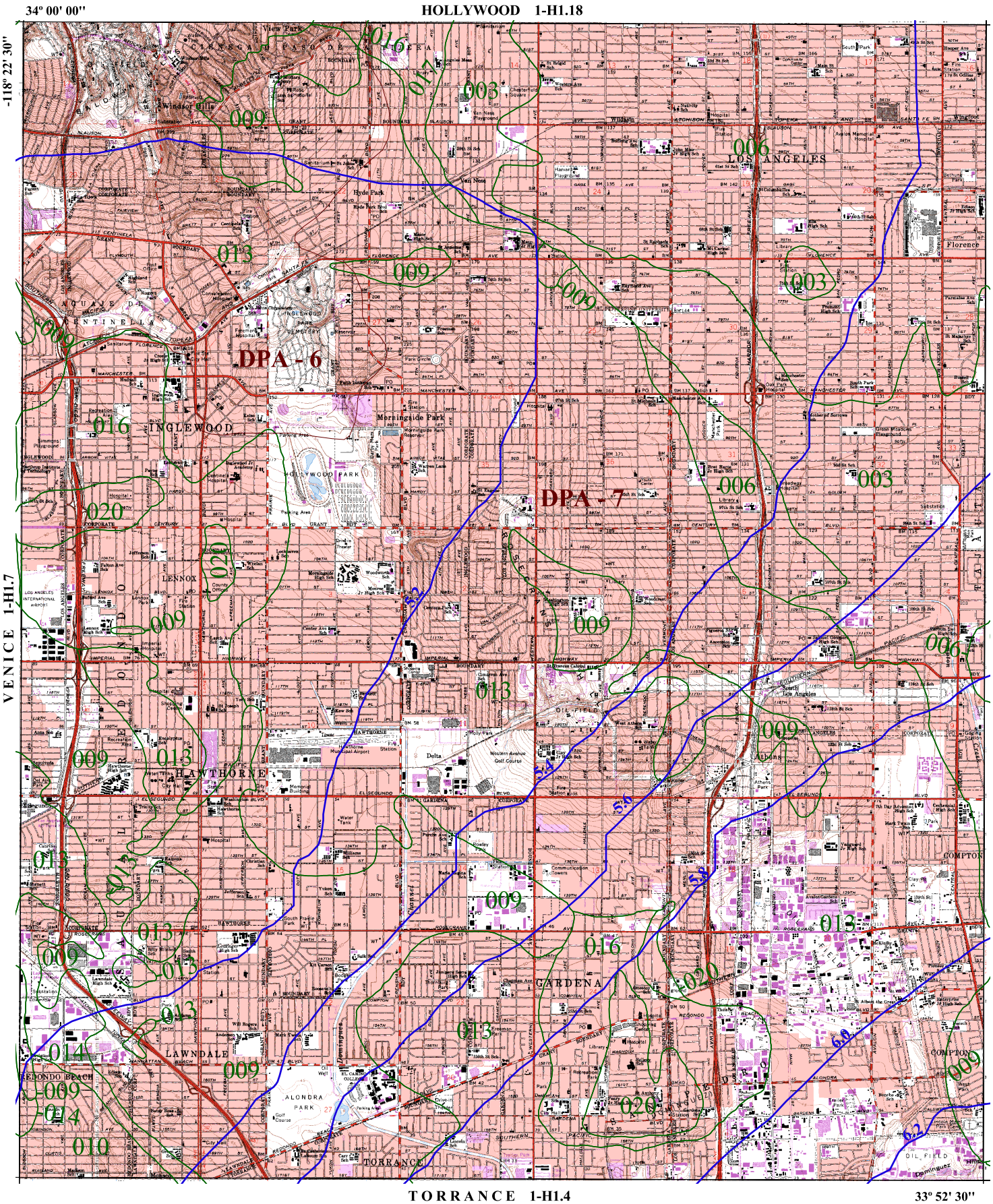
9. Attachments

Attachment 1	Pertinent Section of the LACDPW Hydrology Manual
Attachment 2	Hydrology Calculations (HydroCalc Input/Results)
Attachment 3	Stormwater Treatment Calculations & Details
Attachment 4	Existing & Proposed Drainage Maps

CCE
DESIGN ASSOCIATES

Attachment 1

Pertinent Section of LACDPW Hydrology Manual



016 SOIL CLASSIFICATION AREA

7.2 INCHES OF RAINFALL

DPA - 6 DEBRIS POTENTIAL AREA

1 0 1 2 Miles

25-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.878
10-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.714

INGLEWOOD
50-YEAR 24-HOUR ISOHYET

1-H1.8

LOS ANGELES COUNTY PUBLIC WORKS
Public Service That Works

CCE
DESIGN ASSOCIATES

Attachment 2

Hydrology Calculations (HydroCalc Input/Results)

Existing Condition

Hydrologic Design Data Summary

Tributary Area ID	Tributary Area		Soil Type	Burn Factor	DPA Zone	% Impervious	Length (ft)	Slope (ft/ft)	Q10		Q25		Q50	
	Area (sf)	Area (ac)							Rainfall Depth (in.)	Q(clear) (cfs)	Rainfall Depth (in.)	Q(clear) (cfs)	Rainfall Depth (in.)	Q(clear) (cfs)
Existing	58,026	1.33	13	0.00	7	0.34	183	0.006	4.25	3.02	5.22	3.73	5.95	4.25

Peak Flow Hydrologic Analysis

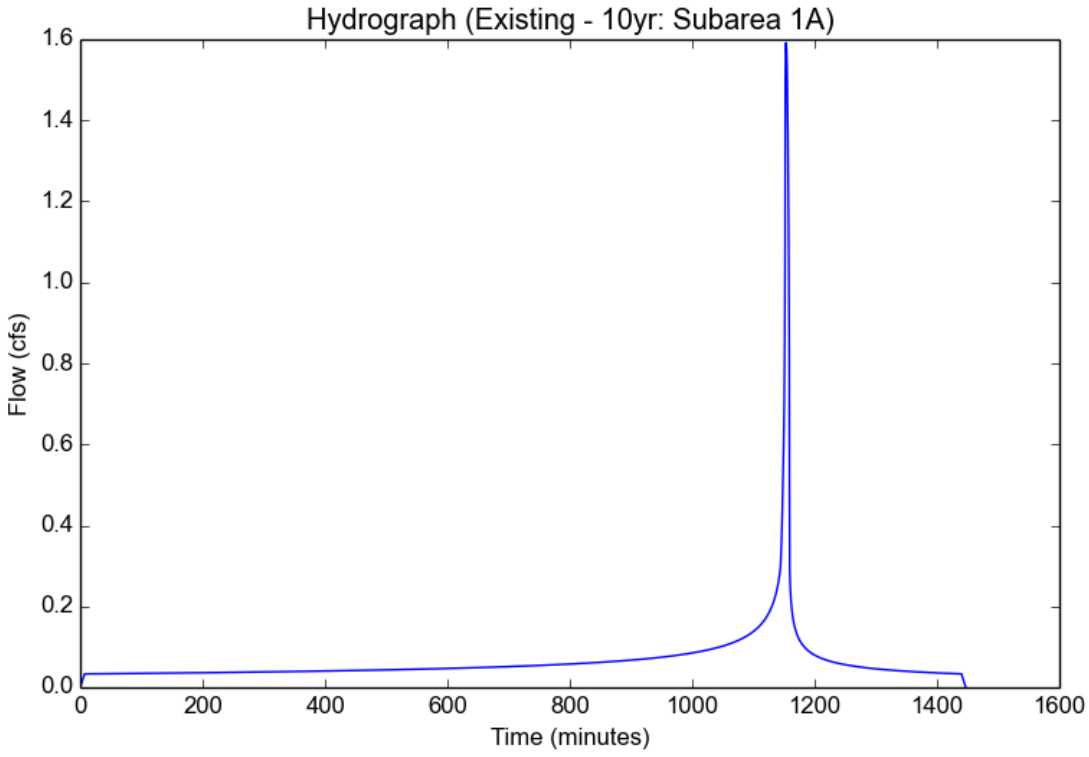
File location: S:/1.Projects/C20.0195 Animo Compton Charter School/02.Documents/01.Reports-Studies/01.Drainage/04.H-H Reports/Attachments/Attac
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Existing - 10yr
Subarea ID	Subarea 1A
Area (ac)	1.33
Flow Path Length (ft)	183.0
Flow Path Slope (vft/hft)	0.006
50-yr Rainfall Depth (in)	4.25
Percent Impervious	0.34
Soil Type	13
Design Storm Frequency	10-yr
Fire Factor	0
LID	False

Output Results

Modeled (10-yr) Rainfall Depth (in)	3.0345
Peak Intensity (in/hr)	1.5456
Undeveloped Runoff Coefficient (Cu)	0.7096
Developed Runoff Coefficient (Cd)	0.7743
Time of Concentration (min)	7.0
Clear Peak Flow Rate (cfs)	1.5918
Burned Peak Flow Rate (cfs)	1.5918
24-Hr Clear Runoff Volume (ac-ft)	0.1322
24-Hr Clear Runoff Volume (cu-ft)	5759.5162



Peak Flow Hydrologic Analysis

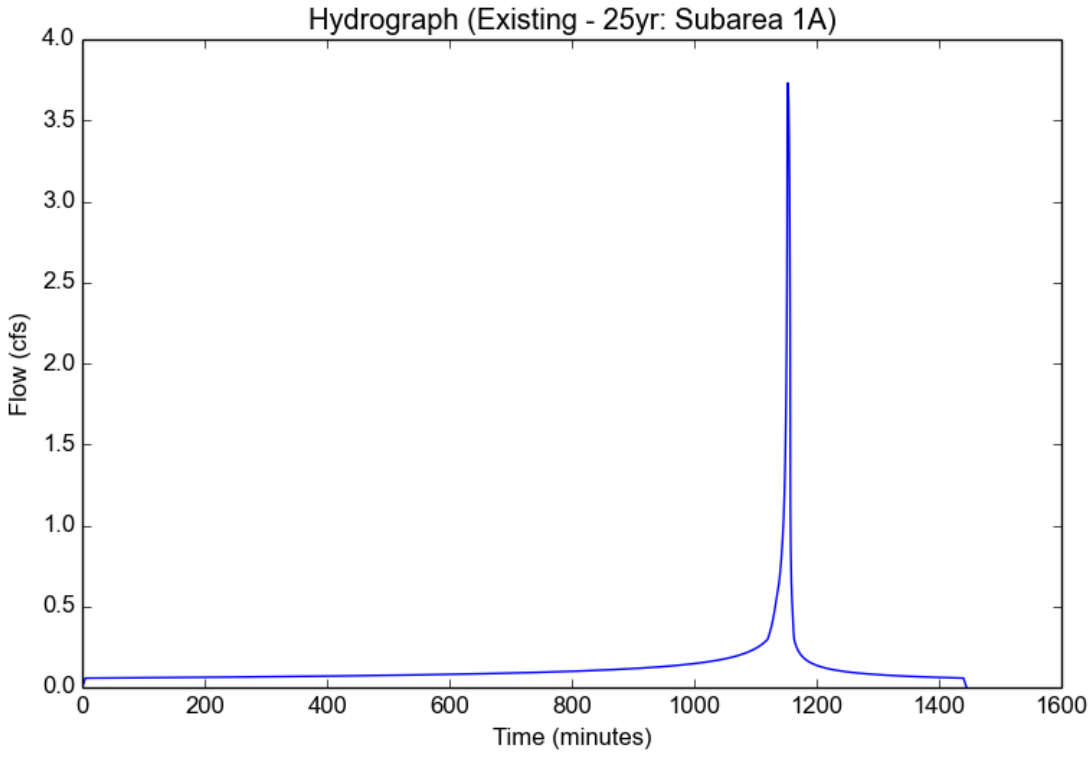
File location: S:/1.Projects/C20.0195 Animo Compton Charter School/02.Documents/01.Reports-Studies/01.Drainage/04.H-H Reports/Attachments/Attac
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Existing - 25yr
Subarea ID	Subarea 1A
Area (ac)	1.33
Flow Path Length (ft)	183.0
Flow Path Slope (vft/hft)	0.006
50-yr Rainfall Depth (in)	5.95
Percent Impervious	0.34
Soil Type	13
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	5.2241
Peak Intensity (in/hr)	3.1168
Undeveloped Runoff Coefficient (Cu)	0.9
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	3.7309
Burned Peak Flow Rate (cfs)	3.7309
24-Hr Clear Runoff Volume (ac-ft)	0.2409
24-Hr Clear Runoff Volume (cu-ft)	10493.482



Peak Flow Hydrologic Analysis

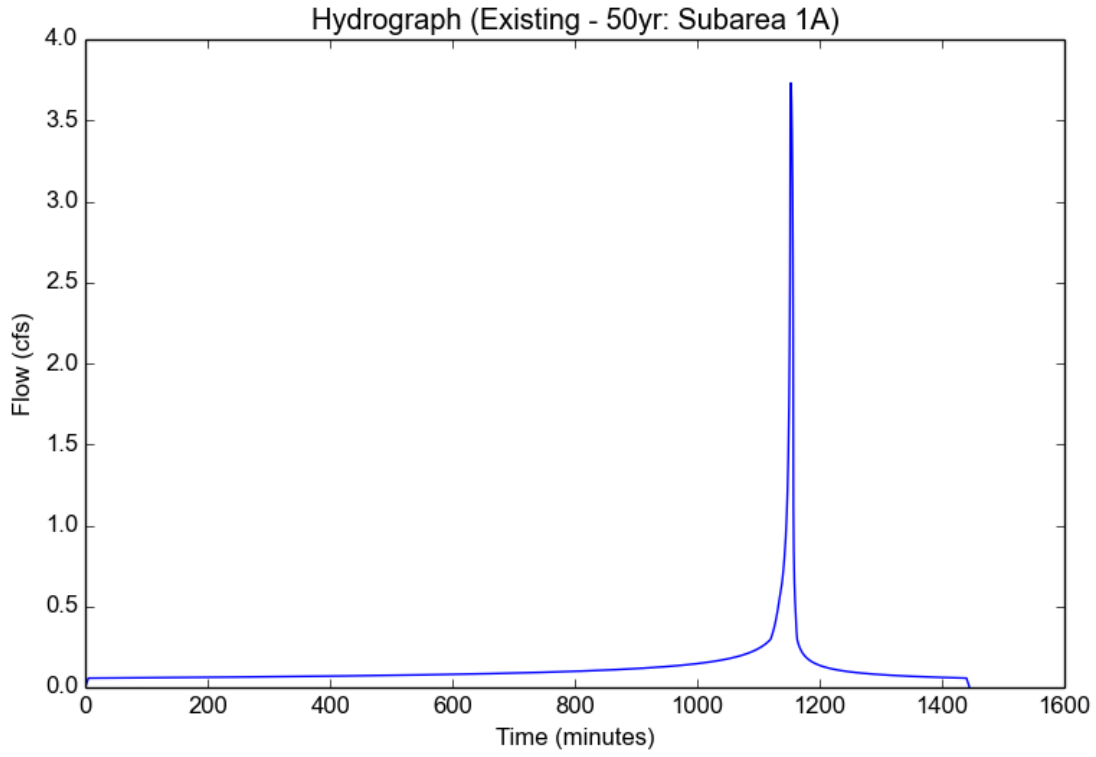
File location: S:/1.Projects/C20.0195 Animo Compton Charter School/02.Documents/01.Reports-Studies/01.Drainage/04.H-H Reports/Attachments/Attac
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Existing - 50yr
Subarea ID	Subarea 1A
Area (ac)	1.33
Flow Path Length (ft)	183.0
Flow Path Slope (vft/hft)	0.006
50-yr Rainfall Depth (in)	5.95
Percent Impervious	0.34
Soil Type	13
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	5.2241
Peak Intensity (in/hr)	3.1168
Undeveloped Runoff Coefficient (Cu)	0.9
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	3.7309
Burned Peak Flow Rate (cfs)	3.7309
24-Hr Clear Runoff Volume (ac-ft)	0.2409
24-Hr Clear Runoff Volume (cu-ft)	10493.482



Proposed Condition
Hydrologic Design Data Summary

Tributary Area ID	Tributary Area		Soil Type	Burn Factor	DPA Zone	% Impervious	Length (ft)	Slope (ft/ft)	Q10		Q25		Q50	
	Area (sf)	Area (ac)							Rainfall Depth (in.)	Q(clear) (cfs)	Rainfall Depth (in.)	Q(clear) (cfs)	Rainfall Depth (in.)	Q(clear) (cfs)
A	21,717	0.50	13	0	7	0.89	129	0.005	4.25	1.14	5.22	1.40	5.95	1.60
B	14,080	0.32	13	0	7	0.96	391	0.005	4.25	0.58	5.22	0.77	5.95	0.87
C	16,939	0.39	13	0	7	0.89	269	0.005	4.25	0.75	5.22	1.00	5.95	1.25
Remaining Area 1	4,020	0.09	13	0	7	-	-	-	-	-	-	-	-	-
Remaining Area 2	1,270	0.03	13	0	7	-	-	-	-	-	-	-	-	-
Total	58,026	1.33								2.47		3.17		3.72

10-Year Storm Event

Peak Flow Hydrologic Analysis

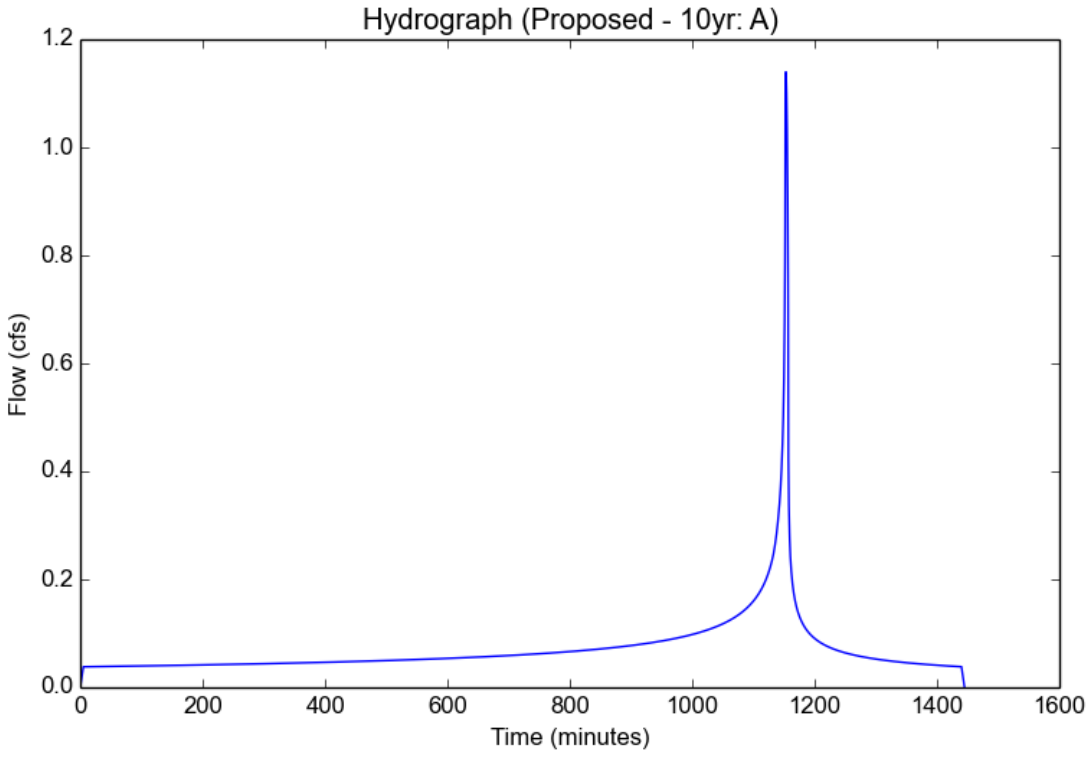
File location: S:/1.Projects/C20.0195 Animo Compton Charter School/02.Documents/01.Reports-Studies/01.Drainage/04.H-H Reports/Attachments/Attac
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Proposed - 10yr
Subarea ID	A
Area (ac)	0.5
Flow Path Length (ft)	129.0
Flow Path Slope (vft/hft)	0.005
50-yr Rainfall Depth (in)	5.95
Percent Impervious	0.89
Soil Type	13
Design Storm Frequency	10-yr
Fire Factor	0
LID	False

Output Results

Modeled (10-yr) Rainfall Depth (in)	4.2483
Peak Intensity (in/hr)	2.5347
Undeveloped Runoff Coefficient (Cu)	0.8934
Developed Runoff Coefficient (Cd)	0.8993
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.1397
Burned Peak Flow Rate (cfs)	1.1397
24-Hr Clear Runoff Volume (ac-ft)	0.1437
24-Hr Clear Runoff Volume (cu-ft)	6257.9263



Peak Flow Hydrologic Analysis

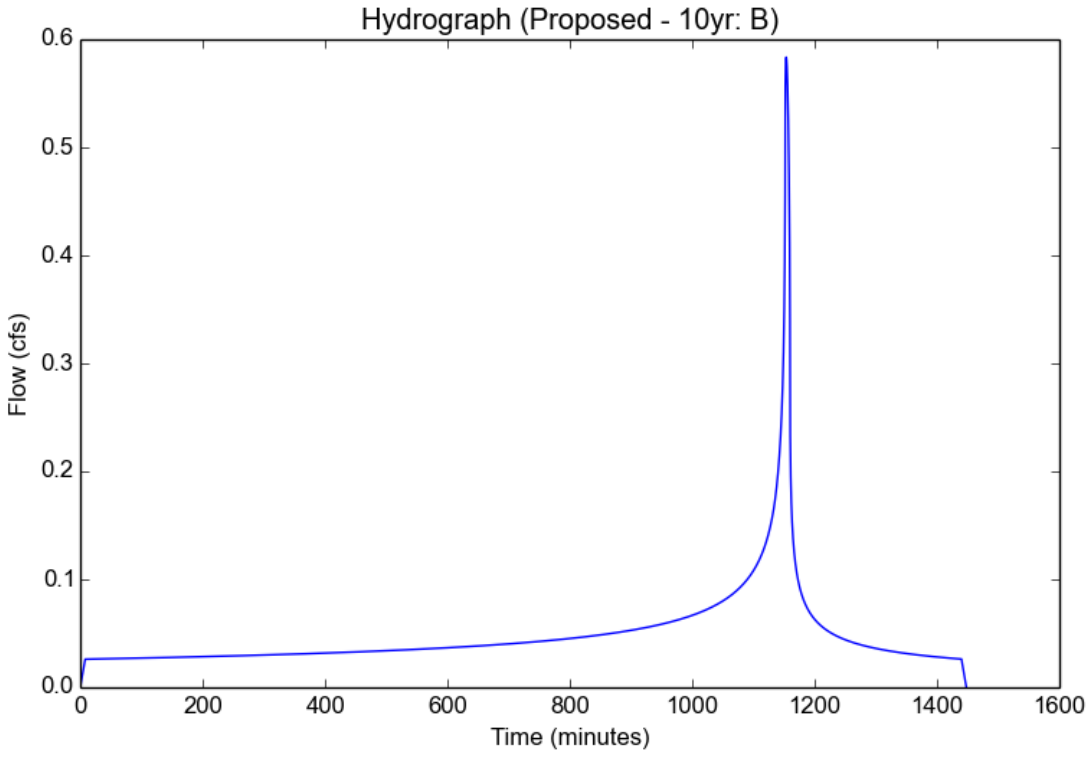
File location: S:/1.Projects/C20.0195 Animo Compton Charter School/02.Documents/01.Reports-Studies/01.Drainage/04.H-H Reports/Attachments/Attac
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Proposed - 10yr
Subarea ID	B
Area (ac)	0.32
Flow Path Length (ft)	391.0
Flow Path Slope (vft/hft)	0.005
50-yr Rainfall Depth (in)	5.95
Percent Impervious	0.96
Soil Type	13
Design Storm Frequency	10-yr
Fire Factor	0
LID	False

Output Results

Modeled (10-yr) Rainfall Depth (in)	4.2483
Peak Intensity (in/hr)	2.0323
Undeveloped Runoff Coefficient (Cu)	0.8295
Developed Runoff Coefficient (Cd)	0.8972
Time of Concentration (min)	8.0
Clear Peak Flow Rate (cfs)	0.5835
Burned Peak Flow Rate (cfs)	0.5835
24-Hr Clear Runoff Volume (ac-ft)	0.0978
24-Hr Clear Runoff Volume (cu-ft)	4259.2126



Peak Flow Hydrologic Analysis

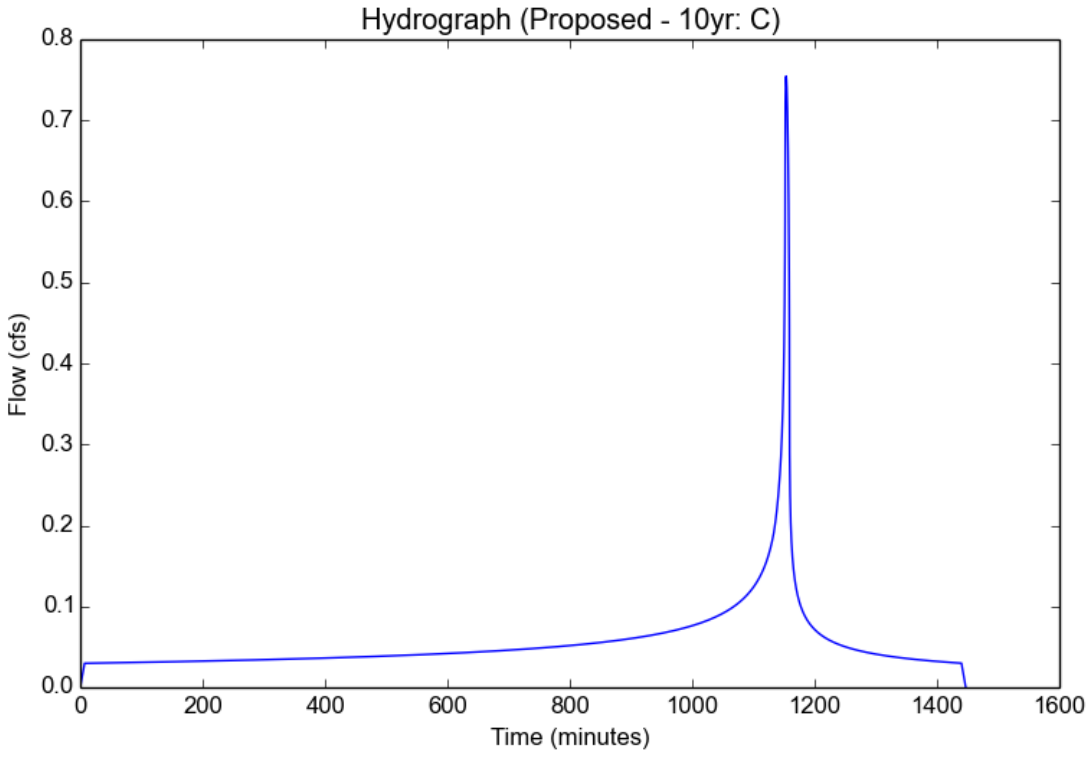
File location: S:/1.Projects/C20.0195 Animo Compton Charter School/02.Documents/01.Reports-Studies/01.Drainage/04.H-H Reports/Attachments/Attac
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Proposed - 10yr
Subarea ID	C
Area (ac)	0.39
Flow Path Length (ft)	269.0
Flow Path Slope (vft/hft)	0.005
50-yr Rainfall Depth (in)	5.95
Percent Impervious	0.89
Soil Type	13
Design Storm Frequency	10-yr
Fire Factor	0
LID	False

Output Results

Modeled (10-yr) Rainfall Depth (in)	4.2483
Peak Intensity (in/hr)	2.1639
Undeveloped Runoff Coefficient (Cu)	0.8468
Developed Runoff Coefficient (Cd)	0.8941
Time of Concentration (min)	7.0
Clear Peak Flow Rate (cfs)	0.7546
Burned Peak Flow Rate (cfs)	0.7546
24-Hr Clear Runoff Volume (ac-ft)	0.1121
24-Hr Clear Runoff Volume (cu-ft)	4880.9236



25-Year Storm Event

Peak Flow Hydrologic Analysis

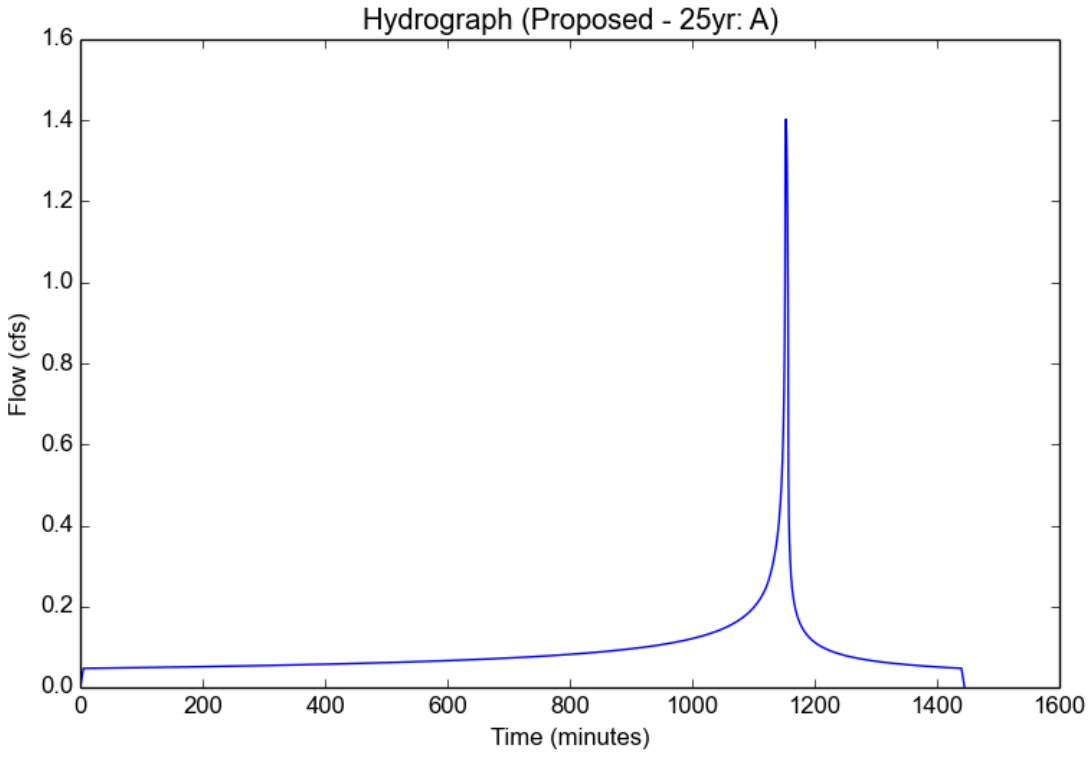
File location: S:/1.Projects/C20.0195 Animo Compton Charter School/02.Documents/01.Reports-Studies/01.Drainage/04.H-H Reports/Attachments/Attac
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Proposed - 25yr
Subarea ID	A
Area (ac)	0.5
Flow Path Length (ft)	129.0
Flow Path Slope (vft/hft)	0.005
50-yr Rainfall Depth (in)	5.95
Percent Impervious	0.89
Soil Type	13
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	5.2241
Peak Intensity (in/hr)	3.1168
Undeveloped Runoff Coefficient (Cu)	0.9
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.4026
Burned Peak Flow Rate (cfs)	1.4026
24-Hr Clear Runoff Volume (ac-ft)	0.177
24-Hr Clear Runoff Volume (cu-ft)	7710.0235



Peak Flow Hydrologic Analysis

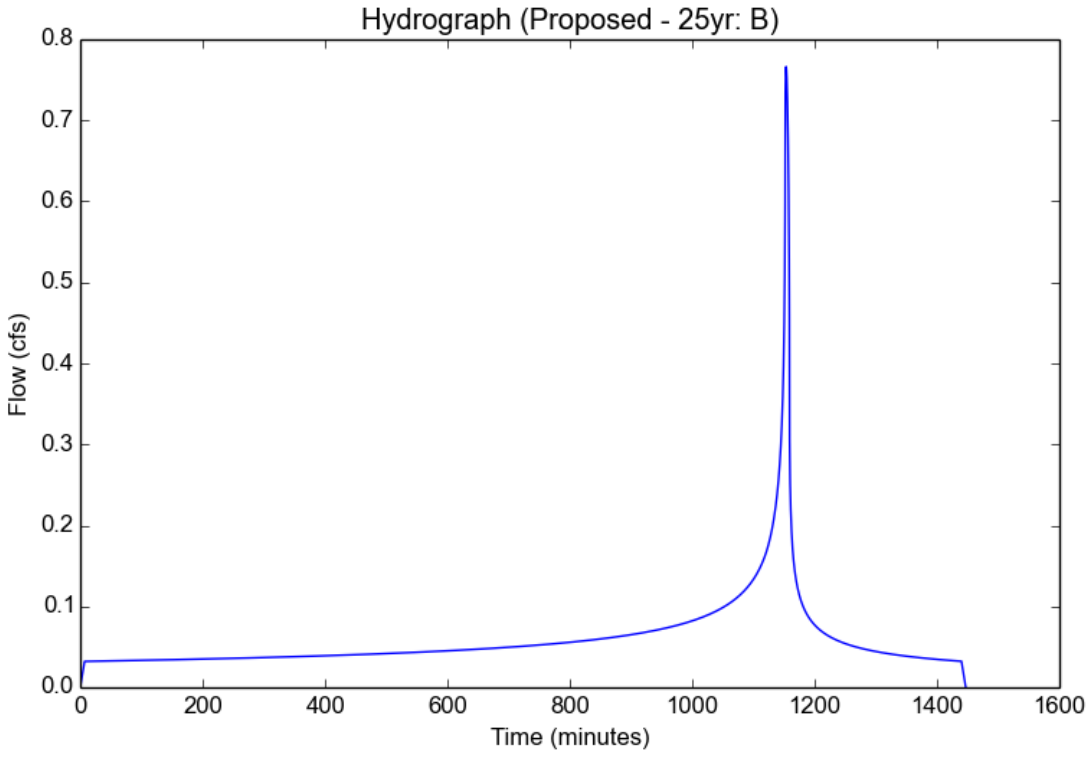
File location: S:/1.Projects/C20.0195 Animo Compton Charter School/02.Documents/01.Reports-Studies/01.Drainage/04.H-H Reports/Attachments/Attac
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Proposed - 25yr
Subarea ID	B
Area (ac)	0.32
Flow Path Length (ft)	391.0
Flow Path Slope (vft/hft)	0.005
50-yr Rainfall Depth (in)	5.95
Percent Impervious	0.96
Soil Type	13
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	5.2241
Peak Intensity (in/hr)	2.6609
Undeveloped Runoff Coefficient (Cu)	0.9
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	7.0
Clear Peak Flow Rate (cfs)	0.7663
Burned Peak Flow Rate (cfs)	0.7663
24-Hr Clear Runoff Volume (ac-ft)	0.1203
24-Hr Clear Runoff Volume (cu-ft)	5241.3296



Peak Flow Hydrologic Analysis

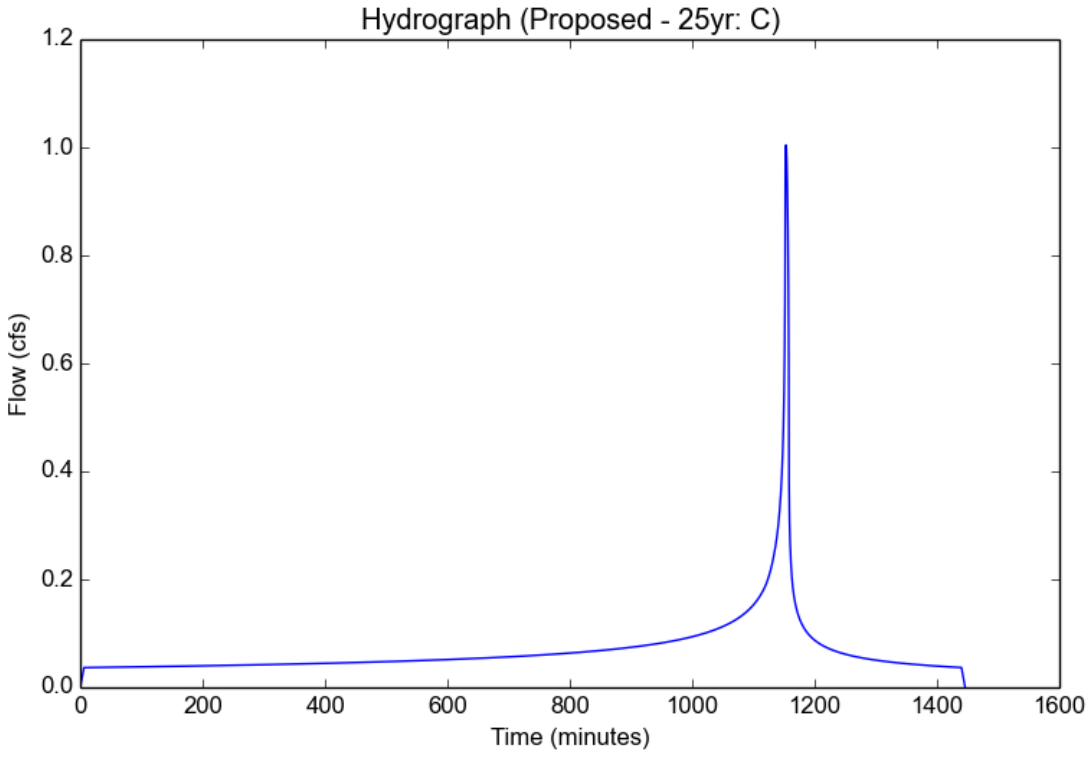
File location: S:/1.Projects/C20.0195 Animo Compton Charter School/02.Documents/01.Reports-Studies/01.Drainage/04.H-H Reports/Attachments/Attac
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Proposed - 25yr
Subarea ID	C
Area (ac)	0.39
Flow Path Length (ft)	269.0
Flow Path Slope (vft/hft)	0.005
50-yr Rainfall Depth (in)	5.95
Percent Impervious	0.89
Soil Type	13
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	5.2241
Peak Intensity (in/hr)	2.8609
Undeveloped Runoff Coefficient (Cu)	0.9
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	6.0
Clear Peak Flow Rate (cfs)	1.0042
Burned Peak Flow Rate (cfs)	1.0042
24-Hr Clear Runoff Volume (ac-ft)	0.1381
24-Hr Clear Runoff Volume (cu-ft)	6014.2724



50-Year Storm Event

Peak Flow Hydrologic Analysis

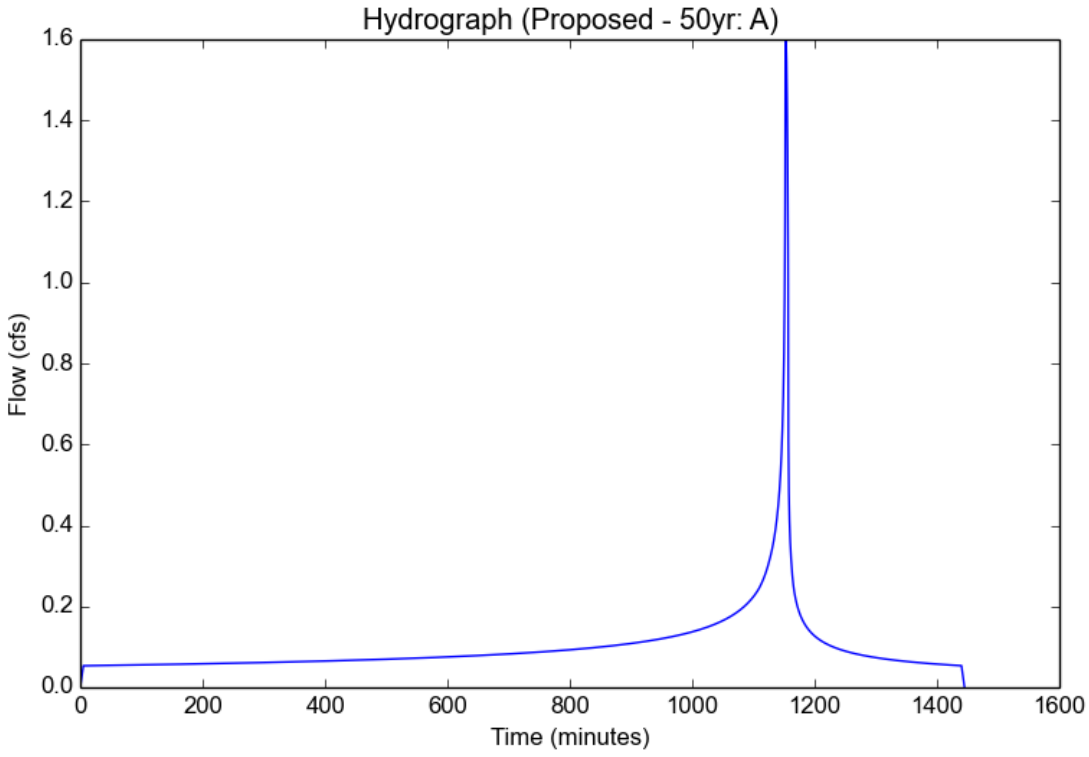
File location: S:/1.Projects/C20.0195 Animo Compton Charter School/02.Documents/01.Reports-Studies/01.Drainage/04.H-H Reports/Attachments/Attac
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Proposed - 50yr
Subarea ID	A
Area (ac)	0.5
Flow Path Length (ft)	129.0
Flow Path Slope (vft/hft)	0.005
50-yr Rainfall Depth (in)	5.95
Percent Impervious	0.89
Soil Type	13
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	5.95
Peak Intensity (in/hr)	3.5499
Undeveloped Runoff Coefficient (Cu)	0.9
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.5975
Burned Peak Flow Rate (cfs)	1.5975
24-Hr Clear Runoff Volume (ac-ft)	0.2019
24-Hr Clear Runoff Volume (cu-ft)	8793.6874



Peak Flow Hydrologic Analysis

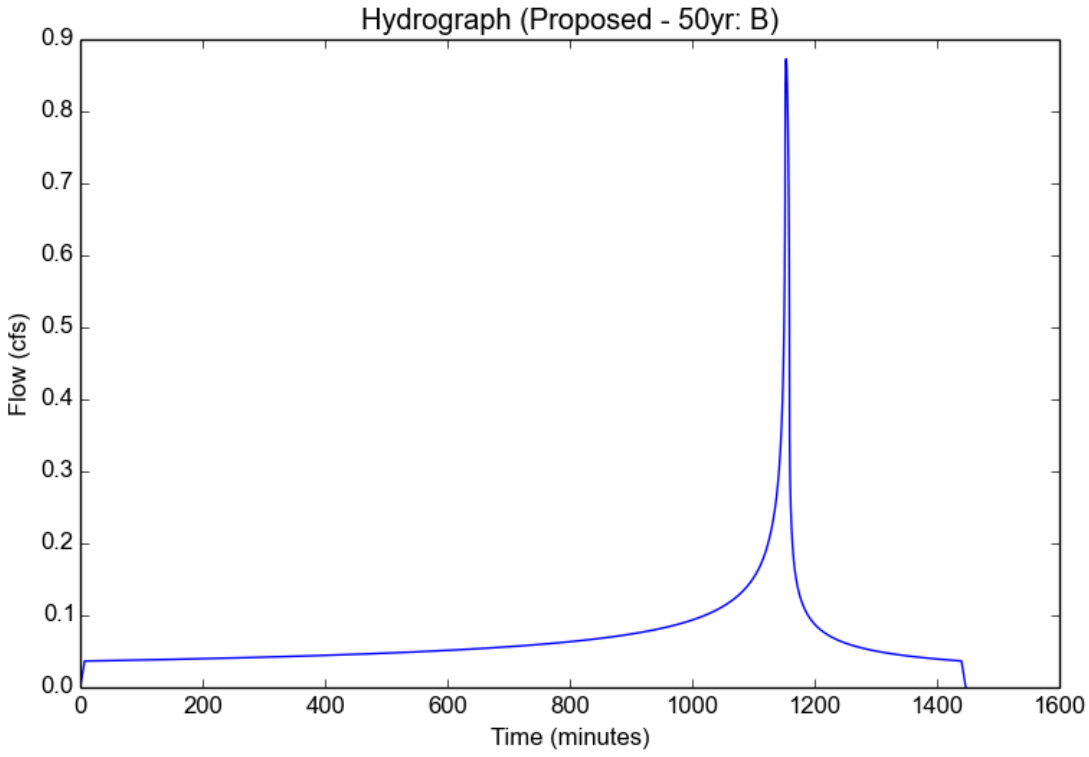
File location: S:/1.Projects/C20.0195 Animo Compton Charter School/02.Documents/01.Reports-Studies/01.Drainage/04.H-H Reports/Attachments/Attac
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Proposed - 50yr
Subarea ID	B
Area (ac)	0.32
Flow Path Length (ft)	391.0
Flow Path Slope (vft/hft)	0.005
50-yr Rainfall Depth (in)	5.95
Percent Impervious	0.96
Soil Type	13
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	5.95
Peak Intensity (in/hr)	3.0307
Undeveloped Runoff Coefficient (Cu)	0.9
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	7.0
Clear Peak Flow Rate (cfs)	0.8728
Burned Peak Flow Rate (cfs)	0.8728
24-Hr Clear Runoff Volume (ac-ft)	0.1371
24-Hr Clear Runoff Volume (cu-ft)	5972.5421



Peak Flow Hydrologic Analysis

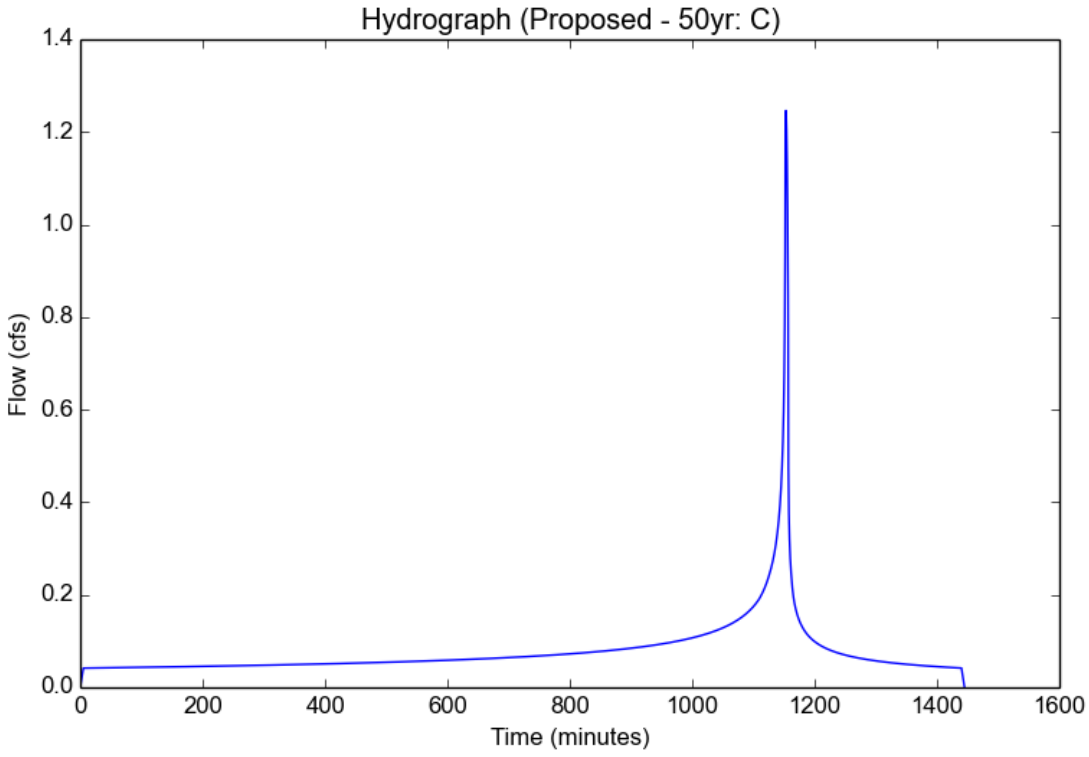
File location: S:/1.Projects/C20.0195 Animo Compton Charter School/02.Documents/01.Reports-Studies/01.Drainage/04.H-H Reports/Attachments/Attac
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Proposed - 50yr
Subarea ID	C
Area (ac)	0.39
Flow Path Length (ft)	269.0
Flow Path Slope (vft/hft)	0.005
50-yr Rainfall Depth (in)	5.95
Percent Impervious	0.89
Soil Type	13
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	5.95
Peak Intensity (in/hr)	3.5499
Undeveloped Runoff Coefficient (Cu)	0.9
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.246
Burned Peak Flow Rate (cfs)	1.246
24-Hr Clear Runoff Volume (ac-ft)	0.1575
24-Hr Clear Runoff Volume (cu-ft)	6859.0762



CCE
DESIGN ASSOCIATES

Attachment 3

Stormwater Treatment Calculations & Details

Stormwater Treatment Calculations Summary

Tributary Area ID	Tributary Area		% Impervious	Length (ft)	Slope (ft/ft)	Q(85th)		
	Area (sf)	Area (ac)				Rainfall Depth (in.)	Q(PM) (cfs)	SWQDV (cf)
A	21,717	0.50	0.89	129	0.005	0.90	0.14	1,315
B	14,080	0.32	0.96	391	0.005	0.90	0.07	900
C	16,939	0.39	0.89	269	0.005	0.90	0.09	1,026
Remaining Area 1	4,020	0.09	-	-	-	-	-	-
Remaining Area 2	1,270	0.03	-	-	-	-	-	-
Total	58,026	1.33	-	-	-	-	0.30	3,241

Note:

1. Remaining Area 1 is landscaped area along the permiter of the site (intersection of E Rosecrans & Cahita Ave). This landscaped area will be self-treating and is not included in the Stormwater Treatment calculations.
2. Remaining Area 2 is the asphalt pavement transition on the west side of the site. The existing drainage pattern will be maintained and drain to the existing concrete valley gutter located in the drive isle. This area is matching the existing condition and not included in the Stormwater Treatment Calculations.

Peak Flow Hydrologic Analysis

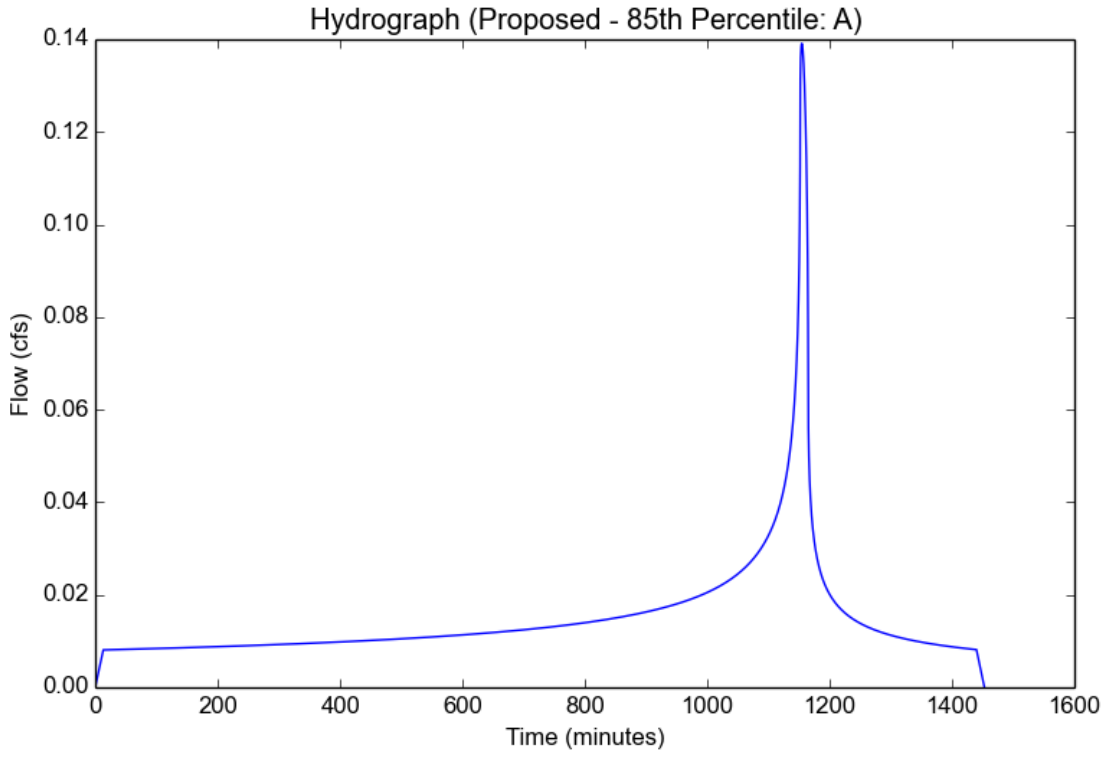
File location: S:/1.Projects/C20.0195 Animo Compton Charter School/02.Documents/01.Reports-Studies/01.Drainage/04.H-H Reports/Attachments/Attac
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Proposed - 85th Percentile
Subarea ID	A
Area (ac)	0.5
Flow Path Length (ft)	129.0
Flow Path Slope (vft/hft)	0.005
85th Percentile Rainfall Depth (in)	0.9
Percent Impervious	0.89
Soil Type	13
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	0.9
Peak Intensity (in/hr)	0.3427
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.812
Time of Concentration (min)	13.0
Clear Peak Flow Rate (cfs)	0.1391
Burned Peak Flow Rate (cfs)	0.1391
24-Hr Clear Runoff Volume (ac-ft)	0.0302
24-Hr Clear Runoff Volume (cu-ft)	1315.4428



Peak Flow Hydrologic Analysis

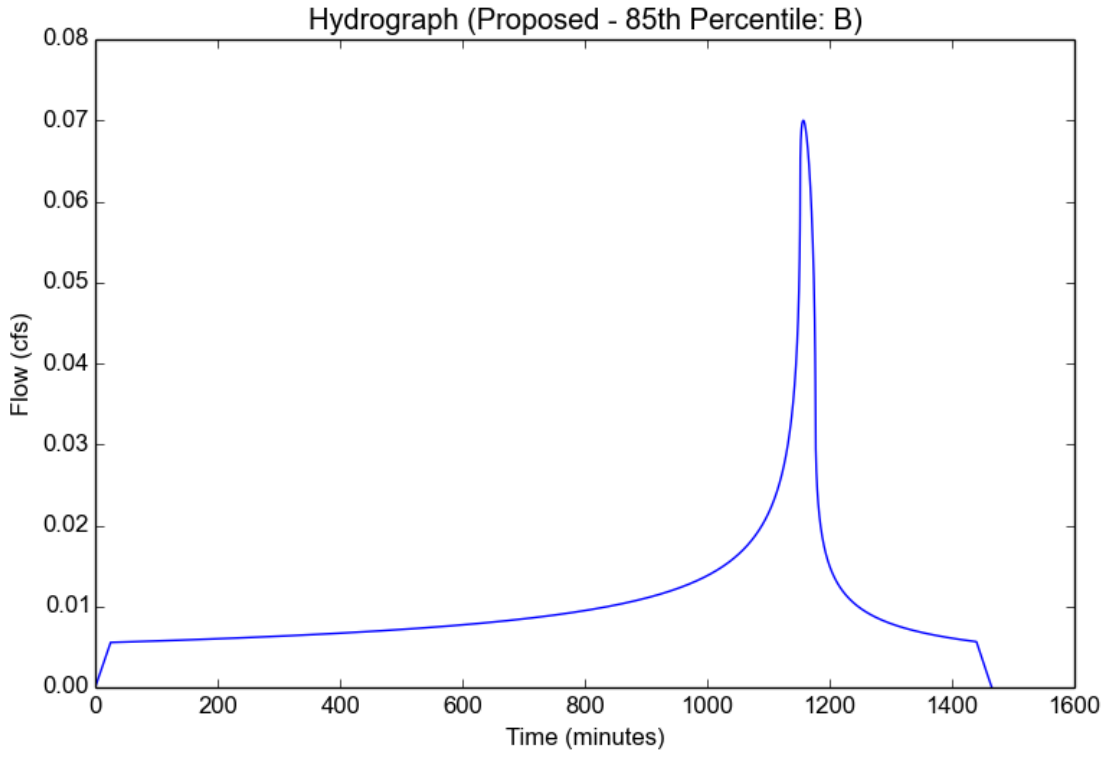
File location: S:/1.Projects/C20.0195 Animo Compton Charter School/02.Documents/01.Reports-Studies/01.Drainage/04.H-H Reports/Attachments/Attac
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Proposed - 85th Percentile
Subarea ID	B
Area (ac)	0.32
Flow Path Length (ft)	391.0
Flow Path Slope (vft/hft)	0.005
85th Percentile Rainfall Depth (in)	0.9
Percent Impervious	0.96
Soil Type	13
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	0.9
Peak Intensity (in/hr)	0.252
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.868
Time of Concentration (min)	25.0
Clear Peak Flow Rate (cfs)	0.07
Burned Peak Flow Rate (cfs)	0.07
24-Hr Clear Runoff Volume (ac-ft)	0.0207
24-Hr Clear Runoff Volume (cu-ft)	899.9496



Peak Flow Hydrologic Analysis

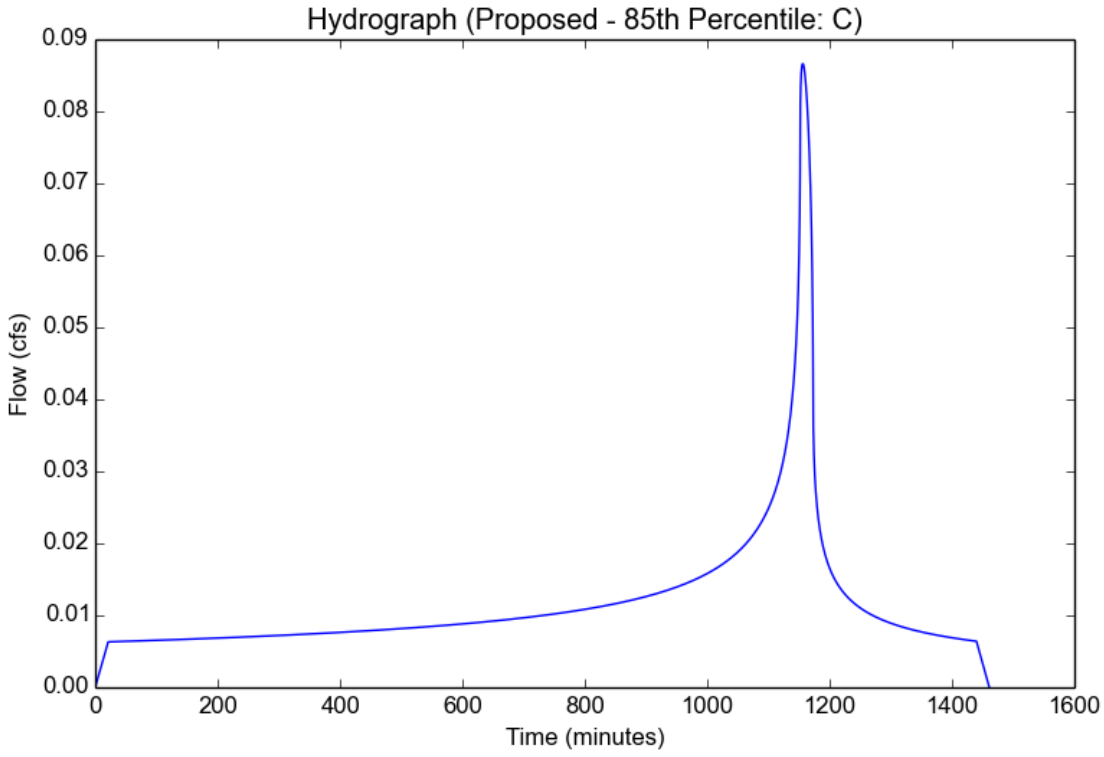
File location: S:/1.Projects/C20.0195 Animo Compton Charter School/02.Documents/01.Reports-Studies/01.Drainage/04.H-H Reports/Attachments/Attac
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Proposed - 85th Percentile
Subarea ID	C
Area (ac)	0.39
Flow Path Length (ft)	269.0
Flow Path Slope (vft/hft)	0.005
85th Percentile Rainfall Depth (in)	0.9
Percent Impervious	0.89
Soil Type	13
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	0.9
Peak Intensity (in/hr)	0.2735
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.812
Time of Concentration (min)	21.0
Clear Peak Flow Rate (cfs)	0.0866
Burned Peak Flow Rate (cfs)	0.0866
24-Hr Clear Runoff Volume (ac-ft)	0.0236
24-Hr Clear Runoff Volume (cu-ft)	1026.0489

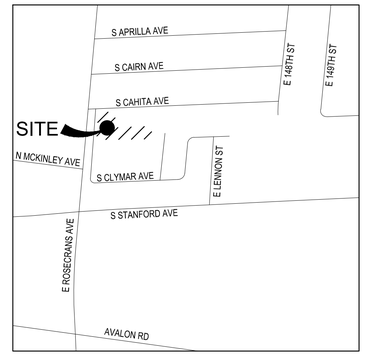


CCE
DESIGN ASSOCIATES

Attachment 4

Existing and Proposed Drainage Maps

LOCATION MAP



LEGEND

- TRIBUTARY BOUNDARY
- DIRECTION OF SURFACE FLOW
- DIRECTION OF PIPE FLOW
- DRAINAGE CHANNEL
- EXISTING CONTOUR
- PROPOSED CONTOUR

NOTES

1. PROJECT LIMITS ARE NOT WITHIN FEMA FLOOD ZONE "A"
2. PROJECT LIMITS ARE NOT WITHIN COUNTY ADOPTED FLOODWAY.

HYDROLOGIC DESIGN DATA SUMMARY

Tributary Area ID	Tributary Area (sf)	Tributary Area (ac)	Soil Type	Burn Factor	DPA Zone	% Impervious	Length (ft)	Slope (ft/ft)	Q10 Rainfall Depth (in.)	Q10 Q(clear) (cfs)	Q25 Rainfall Depth (in.)	Q25 Q(clear) (cfs)	Q50 Rainfall Depth (in.)	Q50 Q(clear) (cfs)
Existing	58,026	1.33	13.00	0.00	7	0.34	183	0.006	4.25	3.02	5.22	3.73	5.95	4.25

Know what's below. Call before you dig.

0 10 20 40 60

Scale 1" = 20 ft

NOTICE TO CONTRACTORS

CONTRACTOR TO NOTIFY USA (UNDERGROUND SERVICE ALERT) AT 811 A MINIMUM OF 48 HOURS BEFORE BEGINNING UNDERGROUND WORK FOR VERIFICATION OF THE LOCATION OF UNDERGROUND UTILITIES

CUP NO. RPPL2021007647
PLAN CASE NO. ESTU 2022000320

NO.	REVISION	BY	NO.	REVISION	BY
1			1		
2			2		
3			3		
4			4		
5			5		

PLAN DATE	AUG 2022
PLOTTED	~~8/4/2022~~
SCALE	~~1"=20'~~
DESIGNER	RC
JOB NO	C20.0195

CCE DESIGN ASSOCIATES

CCE DESIGN ASSOCIATES, INC.
CAMARILLO: 711 E. Daily Drive, Suite 107; Camarillo, CA 93010
LOS ANGELES: 445 S. Figueroa Street, Suite 3100; Los Angeles, CA 90071
P:805.738.5434
www.ccedesignassociates.com

RANDY CHAPMAN, P.E.

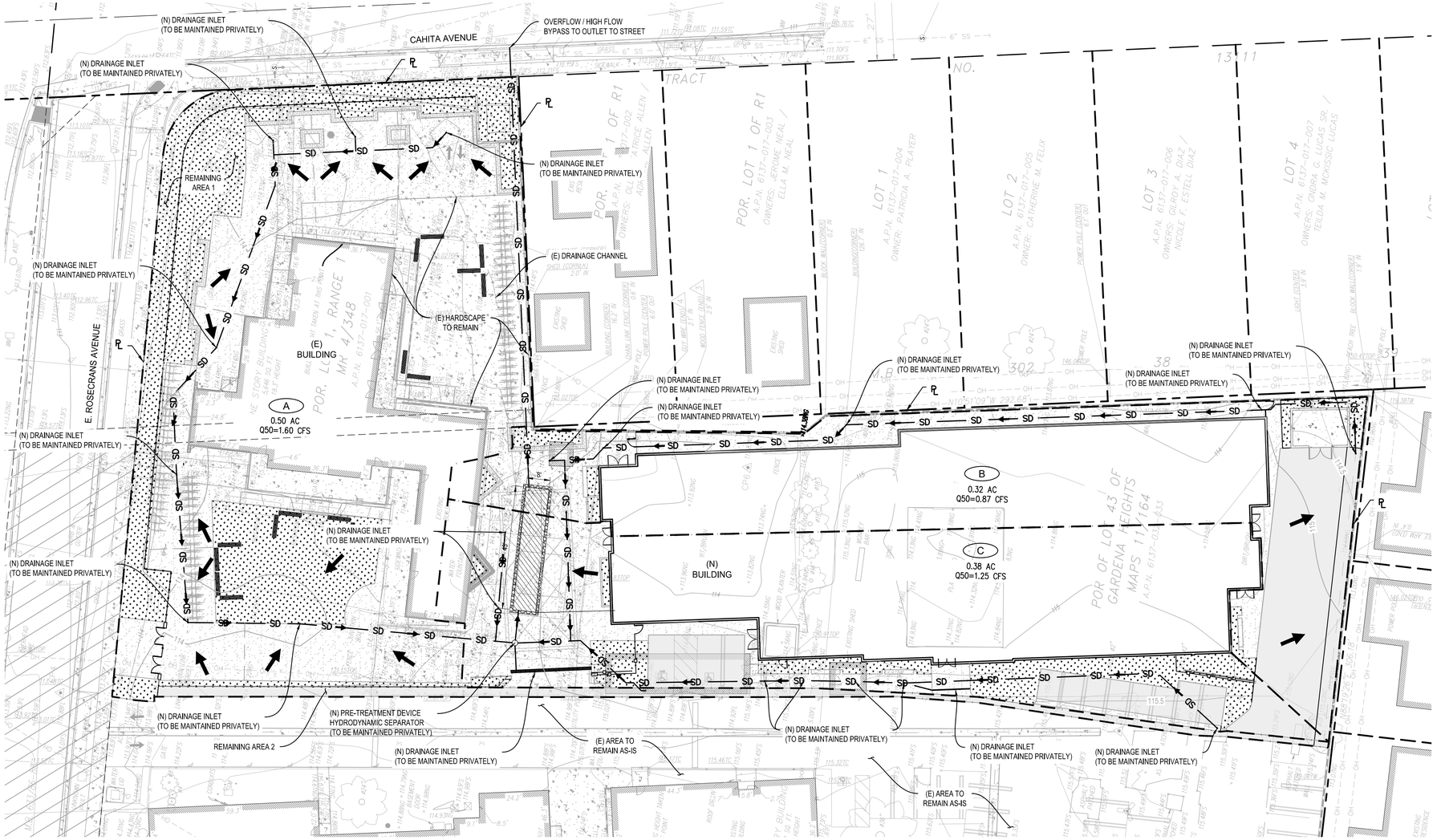
REGISTERED PROFESSIONAL ENGINEER
RANDY CHAPMAN
No. 69614
EXP. 6/30/22
CIVIL
STATE OF CALIFORNIA

ANIMO COMPTON CHARTER SCHOOL
HYDROLOGY STUDY
EXISTING CONDITIONS

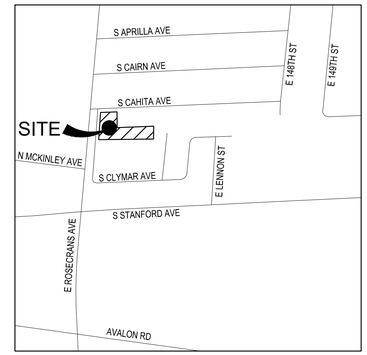
900 E ROSECRANS AVENUE
LOS ANGELES, CA 90059

SHEET
EX-1
OF 1 SHEETS

S:\1.Projects\C20.0195 Animo Compton Charter School\03.CAD\Exhibits\C20.0195_Hydro Exhibit.dwg, 8/4/2022 5:02:44 PM, SeanJami



LOCATION MAP



LEGEND

- TRIBUTARY BOUNDARY
- DIRECTION OF SURFACE FLOW
- DIRECTION OF PIPE FLOW
- DRAINAGE CHANNEL
- EXISTING CONTOUR
- PROPOSED CONTOUR

NOTES

1. PROJECT LIMITS ARE NOT WITHIN FEMA FLOOD ZONE "A"
2. PROJECT LIMITS ARE NOT WITHIN COUNTY ADOPTED FLOODWAY.

HYDROLOGIC DESIGN DATA SUMMARY

Tributary Area ID	Tributary Area		Soil Type	Burn Factor	DPA Zone	% Impervious	Length (ft)	Slope (ft/ft)	Q10		Q25		Q50	
	Area (sf)	Area (ac)							Rainfall Depth (in.)	Q(clear) (cfs)	Rainfall Depth (in.)	Q(clear) (cfs)	Rainfall Depth (in.)	Q(clear) (cfs)
A	21,717	0.50	13	0	7	0.89	129	0.005	4.25	1.14	5.22	1.40	5.95	1.60
B	14,080	0.32	13	0	7	0.96	391	0.005	4.25	0.58	5.22	0.77	5.95	0.87
C	16,939	0.39	13	0	7	0.89	269.42	0.005	4.25	0.75	5.22	1.00	5.95	1.25
Remaining Area 1	4,020	0.09	13	0	7	-	-	-	-	-	-	-	-	-
Remaining Area 2	1,270	0.03	13	0	7	-	-	-	-	-	-	-	-	-
Total	58,026	1.33								2.47		3.17		3.72

Note:
1. Remaining Area 1 is landscaped area along the permiter of the site (intersection of E Rosecrans & Cahita Ave). This landscaped area will be self-treating.
2. Remaining Area 2 is the asphalt pavement transition on the west side of the site. The existing drainage pattern will be maintained and drain to the existing concrete valley

Know what's below.
Call before you dig.

0 10 20 40 60
Scale 1" = 20 ft

NOTICE TO CONTRACTORS

CONTRACTOR TO NOTIFY USA (UNDERGROUND SERVICE ALERT) AT 811 A MINIMUM OF 48 HOURS BEFORE BEGINNING UNDERGROUND WORK FOR VERIFICATION OF THE LOCATION OF UNDERGROUND UTILITIES

CUP NO. RPPL2021007647
PLAN CASE NO. ESTU 2022000320

NO.	REVISION	BY
1		
2		
3		
4		
5		

NO.	REVISION	BY
1		
2		
3		
4		
5		

PLAN DATE	AUG 2022
PLOTTED	~~8/5/2022~~
SCALE	~~1" = 20'~~
DESIGNER	RC
JOB NO	C20.0195

CCE DESIGN ASSOCIATES

CCE DESIGN ASSOCIATES, INC.
CAMARILLO: 711 E. Daily Drive, Suite 107; Camarillo, CA 93010
LOS ANGELES: 445 S. Figueroa Street, Suite 3100; Los Angeles, CA 90071
P:805.738.5434
www.ccedesignassociates.com

RANDY CHAPMAN, P.E.

REGISTERED PROFESSIONAL ENGINEER
RANDY CHAPMAN
No. 69614
EXP. 6/30/22
CIVIL
STATE OF CALIFORNIA

ANIMO COMPTON CHARTER SCHOOL
HYDROLOGY STUDY
PROPOSED CONDITIONS

900 E ROSECRANS AVENUE
LOS ANGELES, CA 90059

SHEET
PR-1
OF 1 SHEETS

S:\1.Projects\C20.0195 Animo Compton Charter School\03.CAD\Exhibits\C20.0195_Hydro Exhibit.dwg, 8/5/2022 4:45:31 PM, SeanJami

SITE SPECIFIC DATA*

PROJECT NUMBER	.		
PROJECT NAME	.		
PROJECT LOCATION	.		
STRUCTURE ID	SCX-04		
WATER QUALITY FLOW RATE (CFS)		1.82	
PEAK FLOW RATE (CFS)		.	
PEAK STORM DURATION (YEARS)		.	
PIPE DATA	I.E.	MATERIAL	DIAMETER
INFLOW PIPE 1	.	.	.
OUTFLOW PIPE 1	.	.	.
RIM ELEVATION	.		
SUMP ELEVATION	####		
SURFACE LOADING REQUIREMENT			HS20
FRAME AND COVER		(1) ø30"	
SKIMMER WALL HEIGHT			STANDARD
KNOWN GROUNDWATER ELEVATION			NA

NOTES: CONCEPT ONLY. NOT FOR CONSTRUCTION.

*PER ENGINEER OF RECORD

PERFORMANCE DATA

TREATMENT FLOW RATE (CFS)	----
TSS REMOVAL EFFICIENCY	----

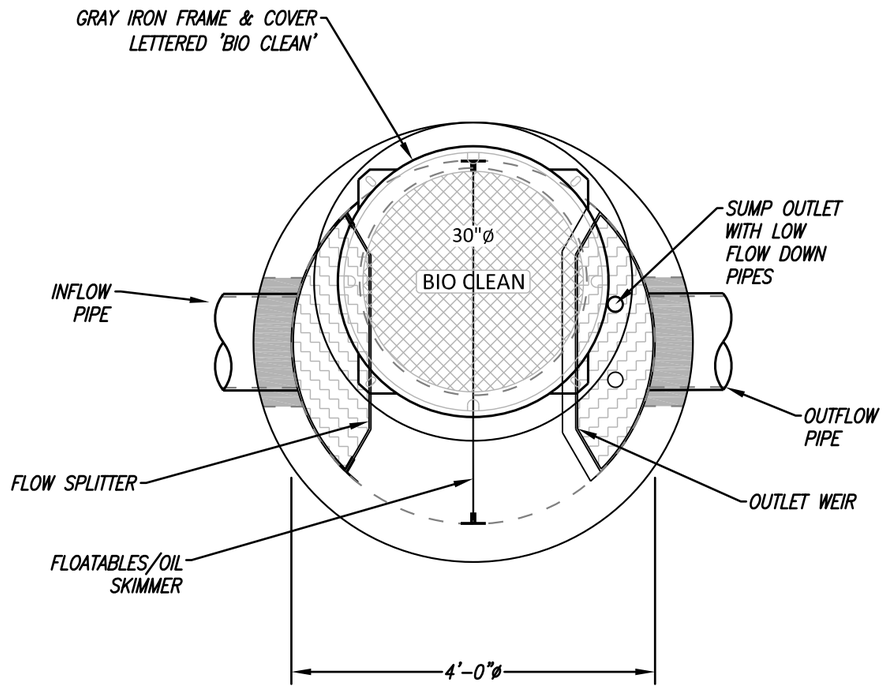
SUMP CHAMBER CAPACITY

DIAMETER (FT)	AREA (SF)	HEIGHT (FT)	TOTAL (CF)
4	12.56	4.75	59.7

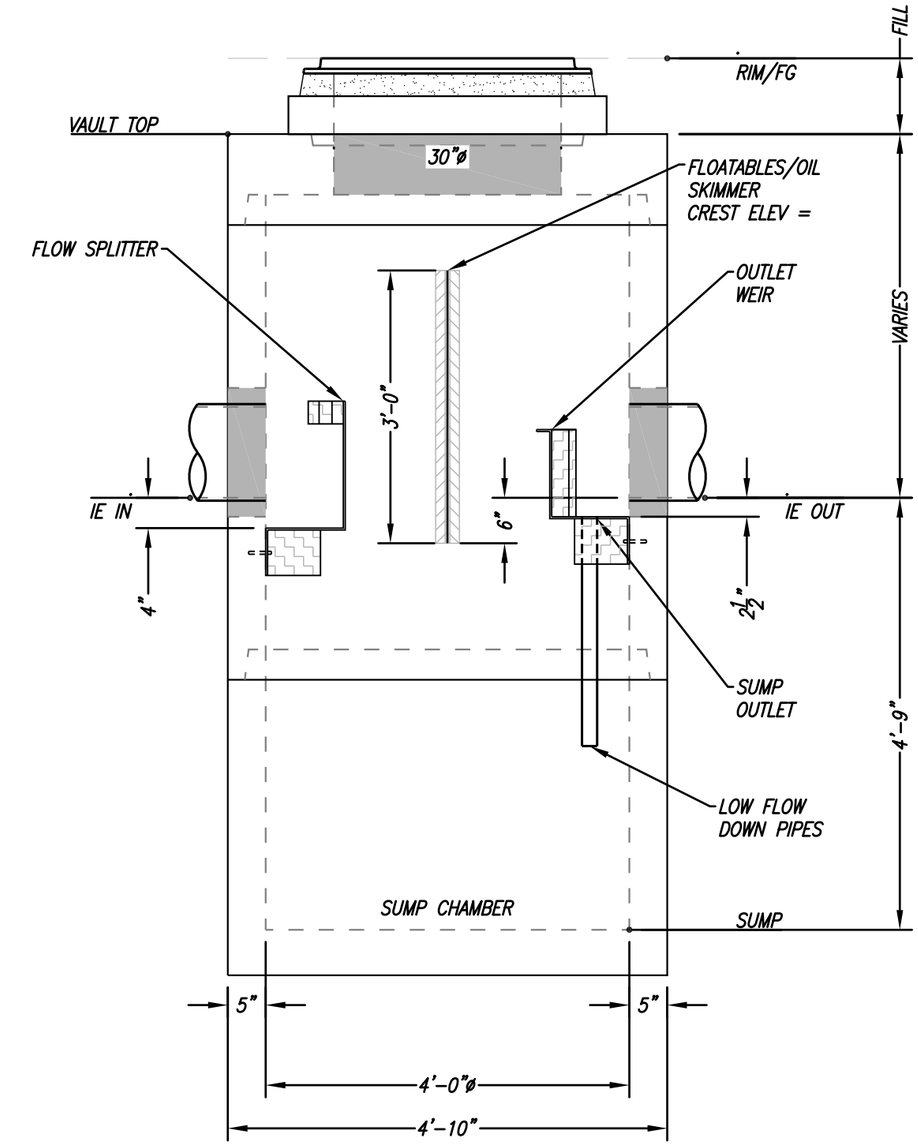
INSTALLATION NOTES

1. CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SCICLONEX UNIT AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURER'S SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURER'S CONTRACT.
2. MANUFACTURER RECOMMENDS A 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE FOR VERIFYING PROJECT ENGINEER'S RECOMMENDED BASE SPECIFICATIONS.
3. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE (PIPES CANNOT INTRUDE BEYOND FLUSH).
4. ALL GAPS AROUND PIPES SHALL BE SEALED WATERTIGHT WITH A NON-SHRINK GROUT PER MANUFACTURER'S STANDARD CONNECTION DETAIL AND SHALL MEET OR EXCEED REGIONAL PIPE CONNECTION STANDARDS.
5. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS AND MANHOLES. ALL COVERS SHALL BE SHIPPED LOOSE. CONTRACTOR TO USE GROUT AND/OR BRICKS TO MATCH COVERS WITH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.

1:20 SCALE



PLAN VIEW



ELEVATION VIEW

GENERAL NOTES

1. BIO CLEAN TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS, AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS, AND ACCESSORIES PLEASE CONTACT BIO CLEAN.

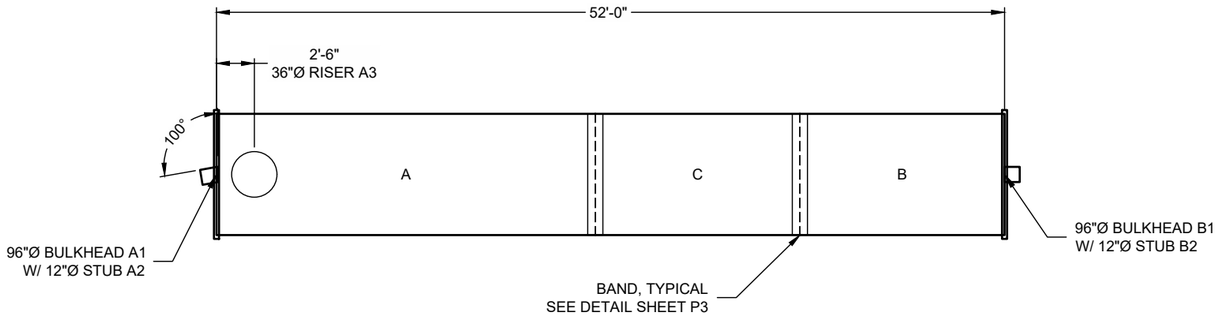
Bio Clean
A Forterra Company

SCICLONE SCX-04
HYDRODYNAMIC SEPARATOR
STANDARD DETAIL

1/17/22MBILLINGS

STUB INFORMATION		
PIECE	STUB INVERT	SYSTEM INVERT
12"Ø STUB A2	108.30	101.30
12"Ø STUB B2	108.30	101.30

RISER INFORMATION		
PIECE	RIM ELEV.	SYSTEM INVERT
36"Ø RISER A3	114.93	101.30



THE UNDERSIGNED HEREBY APPROVES THE ATTACHED (P5) PAGES INCLUDING THE FOLLOWING:

- **PIPE STORAGE = 2,614 CF**
- **MAINLINE PIPE GAGE = 16**
- **WALL TYPE = PERFORATED**
- **DIAMETER = 96"**
- **FINISH = PLYGV**
- **CORRUGATION = 5x1**

CUSTOMER _____ DATE _____

ASSEMBLY

SCALE: 1" = 10'
PIPE STORAGE: 2,614 CF
STRUCTURAL BACKFILL STORAGE: 682 CF
TOTAL STORAGE PROVIDED: 3,296 CF
LOADING: H20
PIPE INV. = 101.30'±

NOTES

- THE PIPE SHOULD BE FULLY PERFORATED IN ACCORDANCE WITH AASHTO M 36, SECTION 8.3.2.2, AND USING CLASS 2 PERFORATIONS. THE TOTAL OPEN AREA OF THE PERFORATIONS WILL BE A MINIMUM OF 2.3% OF THE PIPE SURFACE AREA.
- BULKHEADS SHALL BE 12-GAGE OR HEAVIER STEEL AND THE COATING WILL MATCH THE SPECIFIED CMP COATING. BULKHEAD PLATES SHALL BE FULLY WELDED ONTO THE CMP WITH STEEL REINFORCEMENT AS REQUIRED. THE STEEL REINFORCEMENT SHALL BE POST COATED WITH ZINC RICH PAINT PER AASHTO M 36. BULKHEAD DESIGNS SHALL SATISFY THE REQUIREMENTS SHOWN IN CHAPTER 8 OF THE NCSPA CSP DESIGN MANUAL AND CALCULATIONS SHALL BE PROVIDED TO THE ENGINEER OF RECORD (EOR) FOR APPROVAL UPON REQUEST.
- ALL FITTINGS SHALL BE STRUCTURALLY CHECKED FOR REINFORCEMENTS PER ASTM A998 AND PROVIDED TO THE EOR FOR APPROVAL UPON REQUEST.
- CONNECTING BANDS FOR INFILTRATION SYSTEMS SHALL BE ANY TYPE, BUT MUST BE AT LEAST 12" WIDE. BANDS SHALL MATCH THE SPECIFIED CMP COATING AND MEET THE REQUIREMENTS OF AASHTO M 36.
- ALL METALLIC COATINGS AFFECTED BY MANUFACTURING FABRICATION SHALL BE REPAIRED PER AASHTO M 36 SECTION 11 REQUIREMENTS (E.G. ZINC-RICH PAINT ON ALL WELDS). IF POLYMER COATINGS ARE USED THE REPAIR OF DAMAGED COATINGS WILL BE IN CONFORMANCE WITH AASHTO M 245 SECTION 11 REQUIREMENTS.
- ACCESS LADDERS SHALL BE ATTACHED BY THE MANUFACTURER PRIOR TO DELIVERY, NOT INSTALLED ON THE JOBSITE.

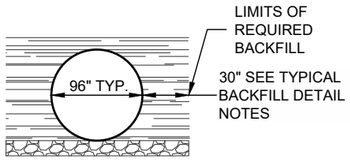
MARK	DATE	REVISION DESCRIPTION	BY

CONTECH ENGINEERED SOLUTIONS LLC
www.ContechES.com
9100 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CONTECH CMP DETENTION SYSTEMS
CONTECH **PROPOSAL** DRAWING

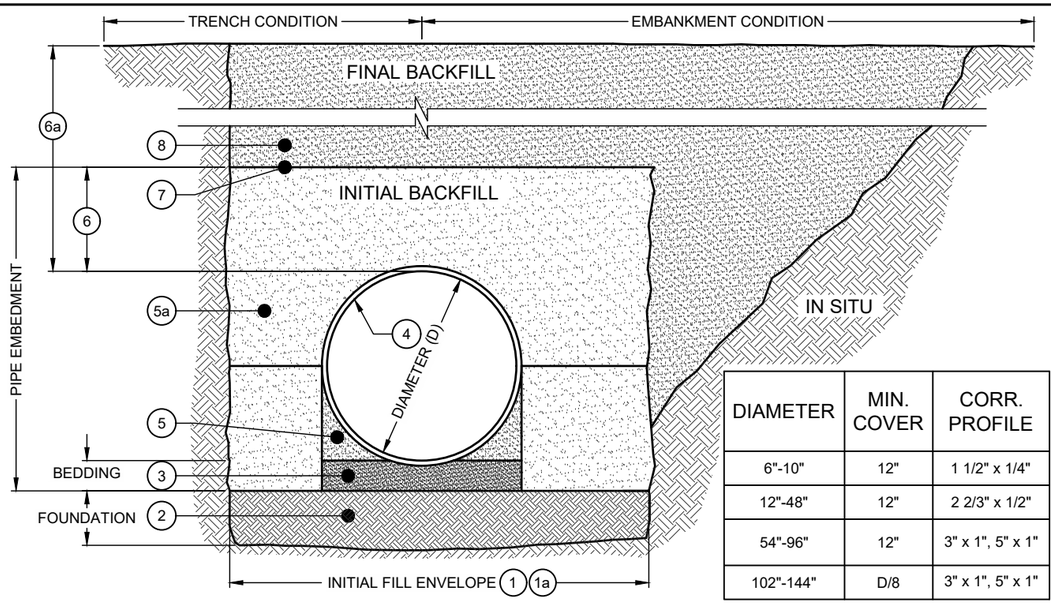
96"Ø PERFORATED UNDERGROUND RETENTION SYSTEM - 671302-20
ANIMO COMPTON CHARTER SCHOOL
LOS ANGELES, CA
SITE DESIGNATION:

PROJECT No.:	SEQ. No.:	DATE:
671302	20	08/08/22
DESIGNED: DWH	DRAWN: DWH	
CHECKED:	APPROVED:	
SHEET NO.: P1 OF P4		



TYPICAL SECTION VIEW

NOT TO SCALE



DIAMETER	MIN. COVER	CORR. PROFILE
6"-10"	12"	1 1/2" x 1/4"
12"-48"	12"	2 2/3" x 1/2"
54"-96"	12"	3" x 1", 5" x 1"
102"-144"	D/8	3" x 1", 5" x 1"

BACKFILL REQUIREMENTS FOLLOW THE GUIDELINES OF AASHTO LRFD BRIDGE DESIGN (SEC 12) AND CONSTRUCTION (SEC 26)

1 MINIMUM TRENCH WIDTH MUST ALLOW ROOM FOR PROPER COMPACTION OF HAUNCH MATERIALS UNDER THE PIPE.
THE MINIMUM TRENCH WIDTH (12.6.6.1):
PIPE ≤ 12": D + 16"
PIPE > 12": 1.5D + 12"

1a MINIMUM EMBANKMENT WIDTH (IN FEET) FOR INITIAL FILL ENVELOPE (12.6.6.2):
PIPE < 24": 3.0D
PIPE 24" - 144": D + 4'0"
PIPE > 144": D + 10'0"

2 THE FOUNDATION UNDER THE PIPE AND SIDE BACKFILL SHALL BE ADEQUATE TO SUPPORT THE LOADS ACTING UPON IT (26.5.2).

3 BEDDING MATERIAL SHALL BE A RELATIVELY LOOSE GRANULAR MATERIAL THAT IS ROUGHLY SHAPED TO FIT THE BOTTOM OF THE PIPE, AND A MINIMUM OF TWICE THE CORRUGATION DEPTH IN THICKNESS, WITH THE MAXIMUM PARTICLE SIZE OF ONE-HALF OF THE CORRUGATION DEPTH (26.3.8.1, 26.5.3).

4 PERFORATED CORRUGATED STEEL PIPE (CSP / HEL-COR).

5 HAUNCH ZONE MATERIAL SHALL BE HAND SHOVELED OR SHOVEL SLICED INTO PLACE TO ALLOW FOR PROPER COMPACTION (26.5.4).

5a BACKFILL MATERIAL SHALL BE A CLEAN, CRUSHED STONE MEETING SIZE NO. 3 OR 4, PER AASHTO M 43. IT IS RECOMMENDED THAT LIFTS NOT EXCEED AN 8" UNCOMPACTED LIFT HEIGHT TO PREVENT UNEVEN LOADING, AND THE LESSER OF 1/3 THE DIAMETER OR 24" AS THE MAXIMUM DIFFERENTIAL SIDE-TO-SIDE. COMPACTION OF ALL PLACED FILL MATERIAL IS NECESSARY AND SHALL BE CONSIDERED ADEQUATE WHEN NO FURTHER YIELDING OF THE MATERIAL IS OBSERVED UNDER THE COMPACTOR, OR UNDER FOOT, AND THE PROJECT ENGINEER, OR THEIR REPRESENTATIVE, IS SATISFIED WITH THE LEVEL OF COMPACTION (26.5.4).

6 INITIAL BACKFILL ABOVE PIPE MAY INCLUDE ROAD BASE MATERIAL (AND RIGID PAVEMENT IF APPLICABLE). SEE TABLE ABOVE.

6a TOTAL HEIGHT OF COMPACTED COVER FOR CONVENTIONAL HIGHWAY LOADS IS MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TOP OF RIGID PAVEMENT (12.6.6.3).

7 GEOTEXTILE SHALL BE USED TO WRAP TRENCH SIDES AND TOP ONLY TO PREVENT SOIL MIGRATION INTO VARYING SOIL TYPES (PROJECT ENGINEER).

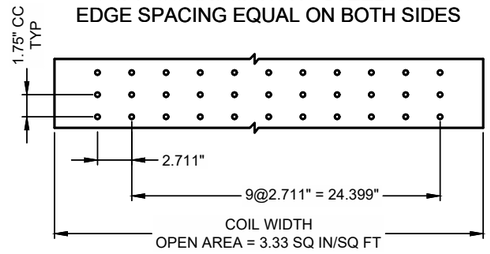
8 FINAL BACKFILL MATERIAL SELECTION AND COMPACTION REQUIREMENTS SHALL FOLLOW THE PROJECT PLANS AND SPECIFICATIONS PER THE ENGINEER OF RECORD (26.5.4.1).

NOTES:
- FOR MULTIPLE BARREL INSTALLATIONS THE RECOMMENDED STANDARD SPACING BETWEEN PARALLEL PIPE RUNS SHALL BE PIPE DIA./2 BUT NO LESS THAN 12", OR 36" FOR PIPE DIAMETERS 72" AND LARGER. CONTACT YOUR CONTECH REPRESENTATIVE FOR NONSTANDARD SPACING (TABLE C12.6.7-1).

TYPICAL BACKFILL DETAIL

NOT TO SCALE

5" x 1" CORRUGATION - STEEL ONLY
EDGE SPACING EQUAL ON BOTH SIDES



NOTES:
1. PERFORATIONS MEET AASHTO AND ASTM SPECIFICATIONS.
2. PERFORATION OPEN AREA PER SQUARE FOOT OF PIPE IS BASED ON THE NOMINAL DIAMETER AND LENGTH OF PIPE.
3. DIMENSIONS SUBJECT TO MANUFACTURER'S TOLERANCES.
4. ALL HOLES 3/8"Ø.

EXFILTRATION AREA
STANDARD PERFORATION PATTERNS

APPROXIMATE AREA PER LINEAR FOOT OF PIPE				
PIPE	CORRUGATION PATTERN			
	2 2/3" x 1/2"	3" x 1"	5" x 1"	ULTRA FLO
96"Ø	97.7 SQ. IN.	103.2 SQ. IN.	100.4 SQ. IN.	

NOTES:
- GAGE AND COATING LIMITATIONS APPLY. 5" x 1" IS NOT AVAILABLE IN ALUMINUM.
- DIMENSIONS SUBJECT TO MANUFACTURER'S TOLERANCES.

TYPICAL PERFORATION DETAIL

NOT TO SCALE

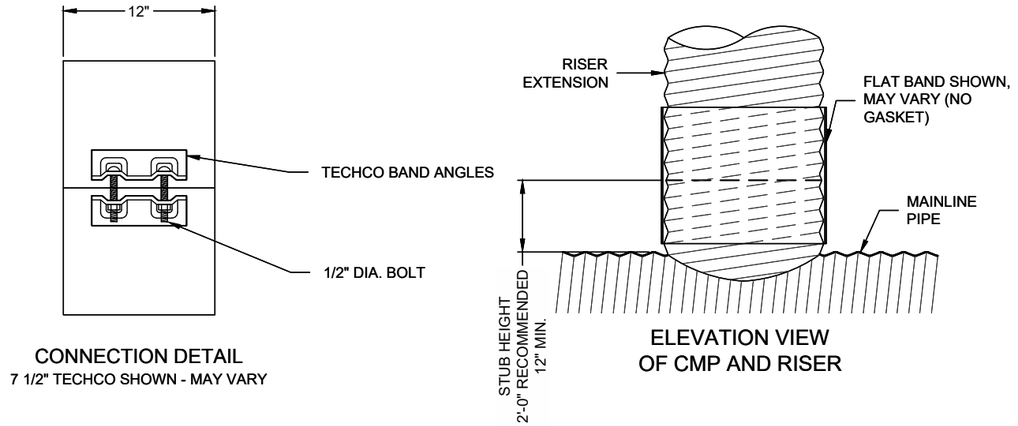
MARK	DATE	REVISION DESCRIPTION	BY

CONTECH ENGINEERED SOLUTIONS LLC
www.ContechES.com
9100 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CONTECH CMP DETENTION SYSTEMS
CONTECH **PROPOSAL** DRAWING

96"Ø PERFORATED UNDERGROUND RETENTION SYSTEM - 671302-20
ANIMO COMPTON CHARTER SCHOOL
LOS ANGELES, CA
SITE DESIGNATION:

PROJECT No.:	SEQ. No.:	DATE:
671302	20	08/08/22
DESIGNED: DWH	DRAWN: DWH	
CHECKED:	APPROVED:	
SHEET NO.: P2 OF P4		



CONNECTION DETAIL
7 1/2" TECHCO SHOWN - MAY VARY

ELEVATION VIEW OF CMP AND RISER

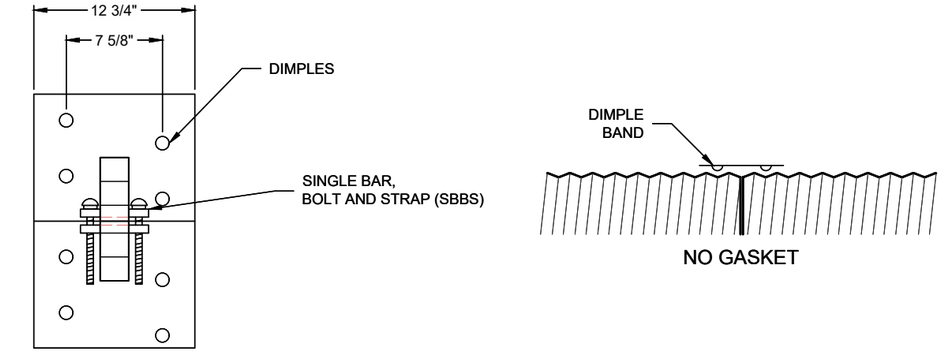
PLAIN END CMP RISER PIPE

GENERAL NOTES:

1. **DELIVERED BAND STYLE AND FASTENER TYPE MAY VARY BY FABRICATION PLANT.**
2. JOINT IS TO BE ASSEMBLED PER AASHTO BRIDGE CONSTRUCTION SPECIFICATION SEC 26.4.2.4.
3. BAND MATERIAL AND GAGE TO BE SAME AS RISER MATERIAL.
4. IF RISER HAS A HEIGHT OF COVER OF 10' OR MORE, USE A SLIP JOINT.
5. BANDS ARE NORMALLY FURNISHED AS FOLLOWS:
   - 12" THRU 48" 1-PIECE
   - 54" 2-PIECES
6. ALL RISER JOINT COMPONENTS WILL BE FIELD ASSEMBLED.
7. MANHOLE RISERS IN APPLICATIONS WHERE TRAFFIC LOADS ARE IMPOSED REQUIRE SPECIAL DESIGN CONSIDERATIONS.
8. DIMENSIONS SUBJECT TO MANUFACTURING TOLERANCES.

12" RISER BAND DETAIL

NOT TO SCALE



CONNECTION DETAIL
(SBBS)

PLAIN END CMP PIPE

GENERAL NOTES:

1. JOINT IS TO BE ASSEMBLED PER AASHTO BRIDGE CONSTRUCTION SPECIFICATION SEC 26.4.2.4.
2. BAND MATERIALS AND/OR COATING CAN VARY BY LOCATION. CONTACT YOUR CONTECH REPRESENTATIVE FOR AVAILABILITY.
3. BANDS ARE SHAPED TO MATCH THE PIPE-ARCH WHEN APPLICABLE.
4. BANDS ARE NORMALLY FURNISHED AS FOLLOWS:
   - 12" THRU 48" 1-PIECE
   - 54" THRU 96" 2-PIECES
   - 102" THRU 144" 3-PIECES
5. BAND FASTENERS ARE ATTACHED WITH SPOT WELDS, RIVETS OR HAND WELDS.
6. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
7. ORDER SHALL DESIGNATE GASKET OPTION, IF REQUIRED (SEE DETAILS ABOVE).

D-12 DIMPLE BAND DETAIL

NOT TO SCALE

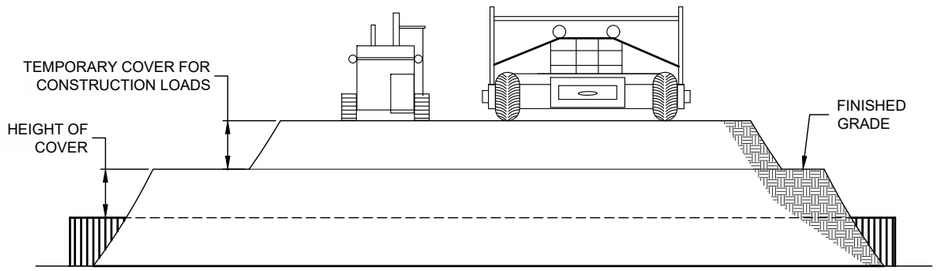
MARK	DATE	REVISION DESCRIPTION	BY

CONTECH ENGINEERED SOLUTIONS LLC
www.ContechES.com
9100 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CONTECH CMP DETENTION SYSTEMS
CONTECH **PROPOSAL** DRAWING

96"Ø PERFORATED UNDERGROUND RETENTION SYSTEM - 671302-20
ANIMO COMPTON CHARTER SCHOOL
LOS ANGELES, CA
SITE DESIGNATION:

PROJECT No.:	SEQ. No.:	DATE:
671302	20	08/08/22
DESIGNED: DWH	DRAWN: DWH	
CHECKED:	APPROVED:	
SHEET NO.: P3 OF P4		



CONSTRUCTION LOADS

FOR TEMPORARY CONSTRUCTION VEHICLE LOADS, AN EXTRA AMOUNT OF COMPACTED COVER MAY BE REQUIRED OVER THE TOP OF THE PIPE. THE HEIGHT-OF-COVER SHALL MEET THE MINIMUM REQUIREMENTS SHOWN IN THE TABLE BELOW. THE USE OF HEAVY CONSTRUCTION EQUIPMENT NECESSITATES GREATER PROTECTION FOR THE PIPE THAN FINISHED GRADE COVER MINIMUMS FOR NORMAL HIGHWAY TRAFFIC.

PIPE SPAN, INCHES	AXLE LOADS (kips)			
	18-50	50-75	75-110	110-150
	MINIMUM COVER (FT)			
12-42	2.0	2.5	3.0	3.0
48-72	3.0	3.0	3.5	4.0
78-120	3.0	3.5	4.0	4.0
126-144	3.5	4.0	4.5	4.5

*MINIMUM COVER MAY VARY, DEPENDING ON LOCAL CONDITIONS. THE CONTRACTOR MUST PROVIDE THE ADDITIONAL COVER REQUIRED TO AVOID DAMAGE TO THE PIPE. MINIMUM COVER IS MEASURED FROM THE TOP OF THE PIPE TO THE TOP OF THE MAINTAINED CONSTRUCTION ROADWAY SURFACE.

CONSTRUCTION LOADING DIAGRAM

NOT TO SCALE

SPECIFICATION FOR CORRUGATED STEEL PIPE-POLYMER COATED STEEL:

SCOPE

THIS SPECIFICATION COVERS THE MANUFACTURE AND INSTALLATION OF THE POLYMER COATED CORRUGATED STEEL PIPE (CSP) DETAILED IN THE PROJECT PLANS.

MATERIAL

THE POLYMER COATED STEEL COILS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M 246 OR ASTM A 742.

PIPE

THE CSP SHALL BE MANUFACTURED IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF AASHTO M-245 OR ASTM A 762. THE PIPE SIZES, GAGES AND CORRUGATIONS SHALL BE AS SHOWN ON THE PROJECT PLANS.

ALL FABRICATION OF THE PRODUCT SHALL OCCUR WITHIN THE UNITED STATES.

HANDLING AND ASSEMBLY

SHALL BE IN ACCORDANCE WITH NCSPAS (NATIONAL CORRUGATED STEEL PIPE ASSOCIATION) RECOMMENDATIONS.

INSTALLATION

SHALL BE IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SECTION 26, DIVISION II OR ASTM A 798 AND IN CONFORMANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. IF THERE ARE ANY INCONSISTENCIES OR CONFLICTS, THE CONTRACTOR MUST BRING THEM TO THE ATTENTION OF THE SITE ENGINEER.

IT IS RESPONSIBILITY OF THE CONTRACTORS TO FOLLOW OSHA GUIDELINES FOR SAFE PRACTICES.

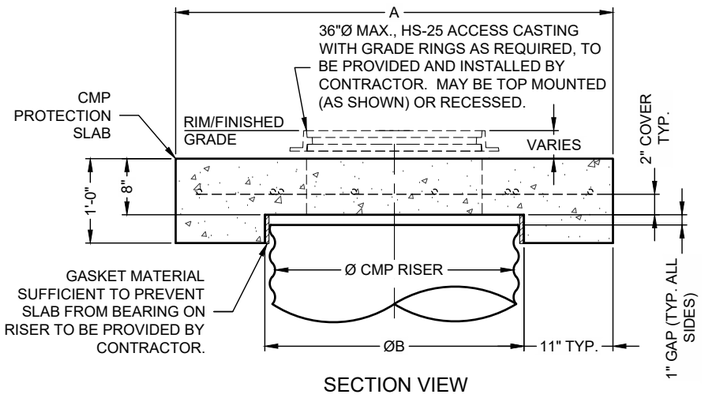
ANTI-FLOTATION PROVISIONS DUE TO HIGH GROUNDWATER OR OTHER FLOTATION CONCERNS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.

CONSTRUCTION LOADS

CONSTRUCTION LOADS MAY BE HIGHER THAN FINAL LOADS. FOLLOW THE MANUFACTURER'S OR NCSPA'S GUIDELINES.

MATERIAL SPECIFICATION

NOT TO SCALE

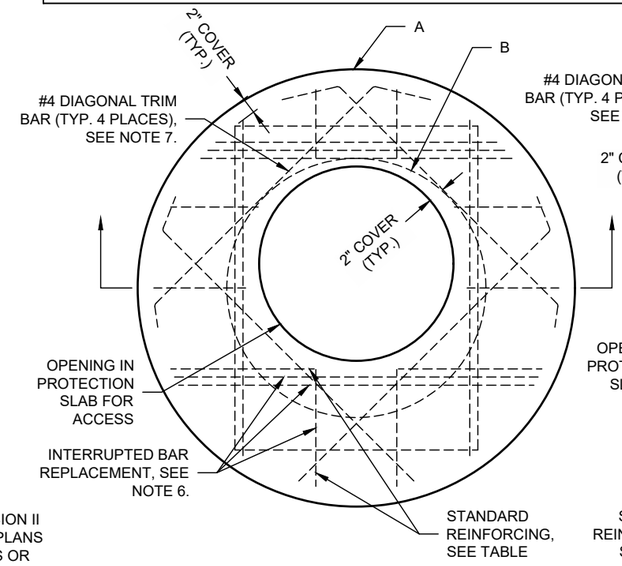


SECTION VIEW

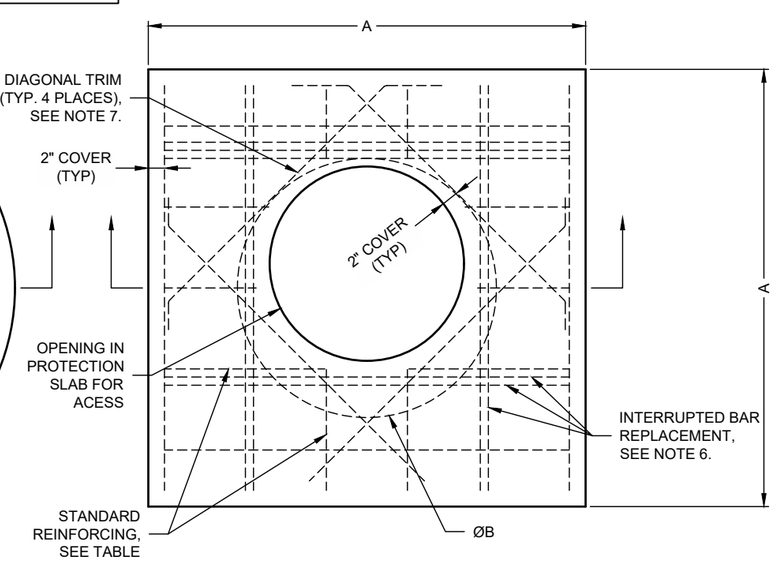
REINFORCING TABLE				
Ø CMP RISER	A	B Ø	REINFORCING	**BEARING PRESSURE (PSF)
24"	4'Ø 4'x4'	26"	#5 @ 10" OCEW #5 @ 10" OCEW	2,540 1,900
30"	4'-6"Ø 4'-6" x 4'-6"	32"	#5 @ 10" OCEW #5 @ 9" OCEW	2,260 1,670
36"	5'Ø 5' x 5'	38"	#5 @ 9" OCEW #5 @ 8" OCEW	2,060 1,500
42"	5'-6"Ø 5'-6" x 5'-6"	44"	#5 @ 8" OCEW #5 @ 8" OCEW	1,490 1,370
48"	6'Ø 6' x 6'	50"	#5 @ 7" OCEW #5 @ 7" OCEW	1,210 1,270

** ASSUMED SOIL BEARING CAPACITY

ACCESS CASTING NOT SUPPLIED BY CONTECH



ROUND OPTION PLAN VIEW



SQUARE OPTION PLAN VIEW

NOTES:

1. DESIGN IN ACCORDANCE WITH AASHTO, 17th EDITION AND ACI 350.
2. DESIGN LOAD HS25.
3. EARTH COVER = 1' MAX.
4. CONCRETE STRENGTH = 4,000 psi
5. REINFORCING STEEL = ASTM A615, GRADE 60.
6. PROVIDE ADDITIONAL REINFORCING AROUND OPENINGS EQUAL TO THE BARS INTERRUPTED, HALF EACH SIDE. ADDITIONAL BARS TO BE IN THE SAME PLANE.
7. TRIM OPENING WITH DIAGONAL #4 BARS, EXTEND BARS A MINIMUM OF 12" BEYOND OPENING, BEND BARS AS REQUIRED TO MAINTAIN BAR COVER.
8. PROTECTION SLAB AND ALL MATERIALS TO BE PROVIDED AND INSTALLED BY CONTRACTOR.
9. DETAIL DESIGN BY DELTA ENGINEERS, ARCHITECTS AND LAND SURVEYORS, ENDWELL, NY.

MANHOLE CAP DETAIL

NOT TO SCALE

MARK	DATE	REVISION DESCRIPTION	BY

CONTECH ENGINEERED SOLUTIONS LLC
www.ContechES.com
9100 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CONTECH CMP DETENTION SYSTEMS

CONTECH **PROPOSAL** DRAWING

96"Ø PERFORATED UNDERGROUND RETENTION SYSTEM - 671302-20
ANIMO COMPTON CHARTER SCHOOL
LOS ANGELES, CA
SITE DESIGNATION:

PROJECT No.:	SEQ. No.:	DATE:
671302	20	08/08/22
DESIGNED: DWH	DRAWN: DWH	
CHECKED:	APPROVED:	
SHEET NO.: P4 OF P4		

I:\MER_IN\PROJECT\ACTIVE\671300\671302\671302-20-CMP DETENTION\DRAWINGS\671302-020-CMP CONFAB.DWG 8/9/2022 8:43 AM

Green Dot - Animo Compton Project

Noise and Vibration Study

prepared for

Green Dot Public Schools California
1149 South Hill Street, Suite 600
Los Angeles, California 90015
Contact: Cristina de Jesus, Ed.D

prepared by

Rincon Consultants, Inc.
250 East 1st Street, Suite 1400
Los Angeles, California 90012

October 2022

RINCON CONSULTANTS, INC.
Environmental Scientists | Planners | Engineers
rinconconsultants.com

Table of Contents

Tables

Figures

Appendices

1 Project Description and Impact Summary

1.1 Introduction

This study analyzes the potential noise and vibration impacts of the proposed Green Dot - Animo Compton Project (herein referred to as "proposed project" or "project") located in the unincorporated West Rancho Dominguez-Victoria neighborhood in Los Angeles County, California. Rincon Consultants, Inc. (Rincon) prepared this study under contract to Green Dot Public Schools California for the County of Los Angeles in support of the environmental documentation being prepared pursuant to the California Environmental Quality Act (CEQA). The purpose of this study is to analyze the project's noise and vibration impacts related to both temporary construction activity and long-term operation of the project. The conclusions of this study are summarized in Table 1, followed by the identified mitigation measures recommended for the project.

Table 1 Summary of Impacts

Impact Threshold	Proposed Project's Level of Significance	Mitigation Measures
Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies	Less than significant impact with noise-reduction measures incorporated (construction) Less than significant impact with noise-reduction measures incorporated (operation)	Construction: N-1 (Construction Noise Reduction) Operation: N-2 (Outdoor Noise Attenuation)
Generation of excessive groundborne vibration or groundborne noise levels	Less than significant impact (construction) Less than significant impact (operation)	None
For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, expose people residing or working in the project area to excessive noise levels	No impact	None

Mitigation Measures

N-1 Construction Noise Reduction

The construction contractor shall implement noise-reduction measures during construction such that noise levels do not exceed 75 dBA L_{max} at the nearest sensitive receivers, which may include but are not limited to:

- Schedule construction activities to avoid operating several pieces of equipment simultaneously, which can cause high noise levels.
- Retrofit mobile equipment with an industrial grade silencer or silencer of similar capacity.
- Enclose stationary equipment.

- Locate all construction areas for staging and warming up as far as possible from adjacent residential buildings and sensitive receivers.
- Erect temporary noise barriers with a minimum height of 12 feet along the project boundaries. The noise barriers shall be constructed with solid material with a density of at least 1 pound per square foot with no gaps from the ground to the top of the barrier and be lined on the construction side with acoustical blanket, curtain or equivalent absorptive material rated sound transmission class (STC) 32 or higher.
- Comply with Los Angeles County Code Section 12.08.440A, which prohibits the operation of any tools or equipment used in construction, drilling, repair, alteration or demolition work between weekday hours of 7:00 p.m. and 7:00 a.m., or any time on Sundays or holidays such that the sound creates a noise disturbance across a residential or commercial property line.
- Provide a sign at the yard entrance, or other conspicuous location, that includes a 24-hour telephone number for project information, and a procedure where a field engineer/construction manager shall respond to and investigate noise complaints and take corrective action, if necessary, in a timely manner. The sign shall have a minimum dimension of 48 inches wide by 24 inches high and be placed 5 feet above ground level.
- If a noise complaint(s) is registered, the contractor shall retain a County-approved noise consultant to conduct noise measurements at the use(s) that registered the complaint. The noise measurements shall be conducted for a minimum of 1 hour and will include 1-minute intervals. The consultant shall prepare a letter report for code enforcement summarizing the measurements, calculation data used in determining impacts, and potential measures to reduce noise levels to the maximum extent feasible.

N-2 Outdoor Noise Attenuation

The project applicant shall replace the existing chain-link fence with a concrete masonry unit wall, or other wall constructed of solid material, at least six feet in height. Specifically, the wall shall cover 1) the approximately 100-foot, north-south stretch between the project site and the western property line of single-family residences located at 14317 South Cahita Avenue and 14321 South Cahita Avenue, and 2) the approximately 120-foot, east-west stretch between the site and the northern property line of the single-family residence located at 14317 South Cahita Avenue. This wall shall connect to the existing five- to six-foot wall located at the eastern property line to create one seamless solid wall between the project site and adjacent single-family residences. This feature shall be incorporated into project plans to be submitted by the applicant to the County of Los Angeles for review and approval prior to issuance of building permits.

1.2 Project Summary

Project Location and Existing Conditions

The project site is located at 900 East Rosecrans Avenue, Los Angeles, California 90059 (hereafter referred to as “project site” or “site”), at the southwest corner of East Rosecrans Avenue and South Cahita Avenue. The site is located in the unincorporated West Rancho Dominguez-Victoria neighborhood of the County of Los Angeles and is comprised of two Assessor Parcel Numbers (APNs) 6137-017-001 and 6137-032-033 with a total area of approximately 4.03 acres and a net area of approximately 3.63 acres. The site is zoned R-1 (Single-Family Residence) with a land use designation of Residential 9, which provides for single-family residences.

The site is owned and is being used by Redeemer Presbyterian Church (hereafter referred to as "Church"). The western portion of the site is developed with the Church; an annex attached to the Church that contains offices, meeting rooms, and classrooms; a standalone modular building; a standalone classroom building; and surface parking, all of which will remain on the site (hereafter referred to as "Church portion"). The eastern portion of the site is developed with paved surfaces and a one-story, 5,646-square-foot building that currently accommodates various additional uses, such as a multi-purpose room, a preschool, administrative uses, restrooms, a breakroom, and a servery. The project is proposed on this eastern portion (hereafter referred to as the "proposed School portion") totaling approximately 2.2 acres, which is discussed in further detail under *Project Description*. The rear area of the proposed School portion is comprised of vacant land with a weathered playground. See Figure 1 and Figure 2 for the location of the site in a regional and local context, respectively.

The area surrounding the site is comprised of a mixture of industrial, commercial, and residential uses. The site is bound by East Rosecrans Avenue to the north with industrial and commercial uses beyond. As shown in Figure 2, the site's southern, western, and most of the eastern property lines are not immediately bound by the surrounding roadways (i.e., East 145th Street, South Clymar Avenue, and South Cahita Avenue). Rather, a majority of the site is bound by single-family residences to the east, south, and west.

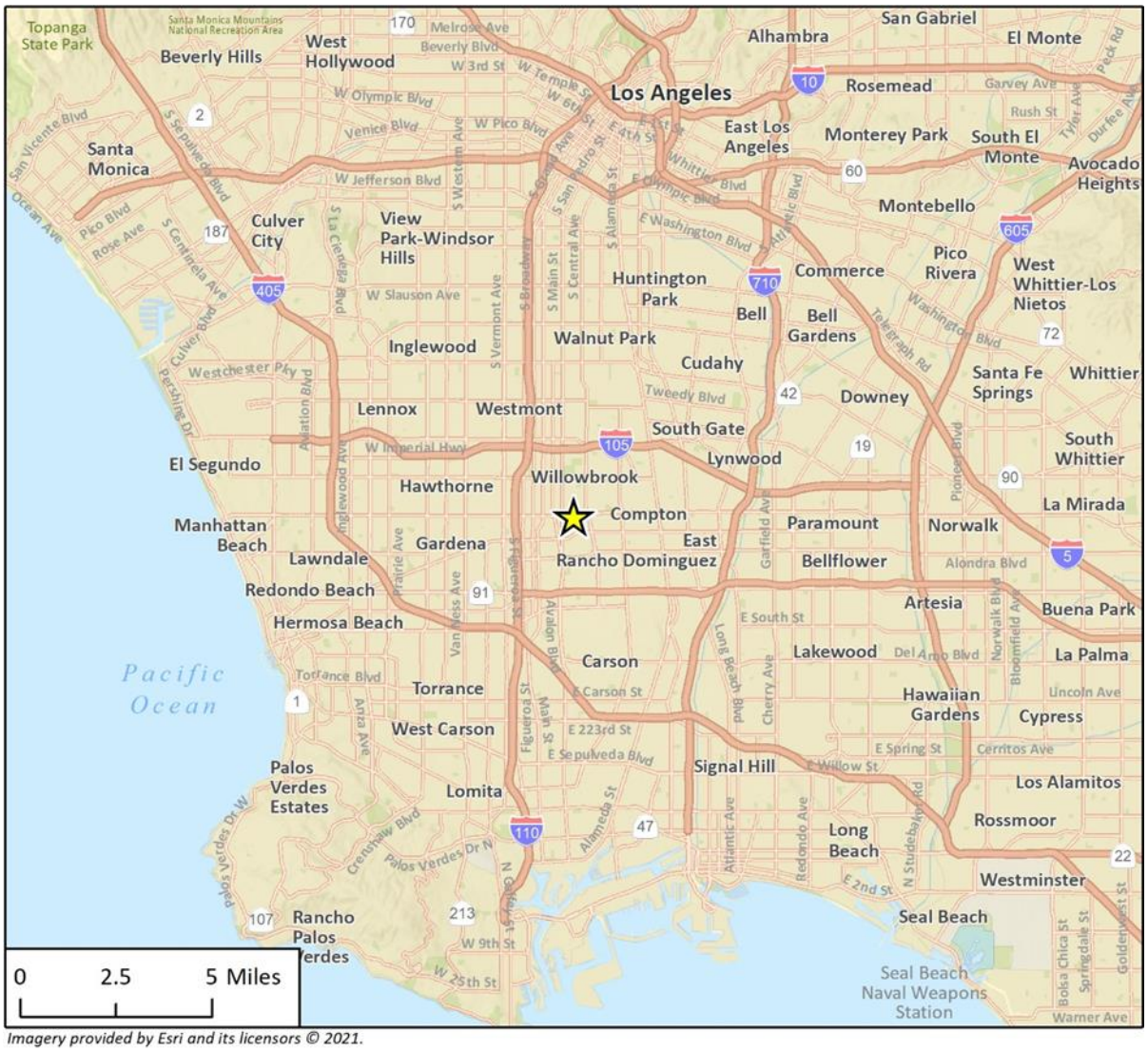
Project Description

The proposed project involves the development of a public charter school that would be a combined charter middle school and high school for grades 6 through 12. The project would be located on the proposed School portion of the site and would not result in any changes to the Church portion. The project involves the repurposing and remodeling of the existing one-story, 5,646-square-foot building to accommodate administrative offices and a 2,190-square-foot multi-purpose room. The project would also include installment of a shade structure on the eastern side of the existing building. The project would also include construction of a new two-story, 33,769-square-foot school building consisting of 26 classrooms (ranging from 728 to 750 square feet in size) and four laboratories (779 square feet each) for a total of 30 classrooms. Each floor would also have separate student and staff restrooms. Maximum enrollment of the school would be 600 students and 45 staff members, and school hours would be weekdays from 7:30 a.m. to 5:00 p.m. Parking for the project would be met by the existing surface parking lot on the site. The project would have 61 dedicated parking spaces while the Church would maintain 80 parking spaces. The project would also provide 120 short-term bicycle spaces and 3 long-term bicycle spaces. Access to the parking lot is provided off East Rosecrans Avenue. Figure 3 illustrates the proposed site plan.

Construction

Project construction is expected to commence in January 2024 and is anticipated to end in January 2025, for a total construction period of approximately 12 months. The project would require cut of 1,055 cubic yards of soil, in which 715 cubic yards of soil would be redistributed on-site and the remaining 340 cubic yards of soil would be exported off-site.

Figure 1 Regional Location



Imagery provided by Esri and its licensors © 2021.

Project Location

N

Figure 2 Project Site Location

Imagery provided by Microsoft Bing and its licensors © 2021.

Figure 3 Proposed Site Plan

2 Background

2.1 Noise

Sound is a vibratory disturbance created by a moving or vibrating source, which is capable of being detected by the hearing organs (e.g., the human ear). Noise is defined as sound that is loud, unpleasant, unexpected, or undesired and may therefore be classified as a more specific group of sounds. The effects of noise on people can include general annoyance, interference with speech communication, sleep disturbance, and, in the extreme, hearing impairment (California Department of Transportation [Caltrans] 2013).

Noise levels are commonly measured in decibels (dB) using the A-weighted sound pressure level (dBA). The A-weighting scale is an adjustment to the actual sound pressure levels so that they are consistent with the human hearing response, which is most sensitive to frequencies around 4,000 Hertz (Hz) and less sensitive to frequencies around and below 100 Hz (Kinsler, et. Al. 1999). Decibels are measured on a logarithmic scale that quantifies sound intensity in a manner similar to the Richter scale used to measure earthquake magnitudes. A doubling of the energy of a noise source, such as a doubling of traffic volume, would increase the noise level by 3 dB; similarly, dividing the energy in half would result in a decrease of 3 dB (Crocker 2007).

Human perception of noise has no simple correlation with sound energy: the perception of sound is not linear in terms of dBA or in terms of sound energy. Two sources do not "sound twice as loud" as one source. It is widely accepted that the average healthy ear can barely perceive an increase (or decrease) of up to 3 dBA in noise levels (i.e., twice [or half] the sound energy); that a change of 5 dBA is readily perceptible (8 times the sound energy); and that an increase (or decrease) of 10 dBA sounds twice (or half) as loud (10.5 times the sound energy) (Crocker 2007).

Sound changes in both level and frequency spectrum as it travels from the source to the receiver. The most obvious change is the decrease in sound level as the distance from the source increases. The manner by which noise declines with distance depends on factors such as the type of sources (e.g., point or line), the path the sound will travel, site conditions, and obstructions. Noise levels from a point source (e.g., construction, industrial machinery, ventilation units) typically attenuate, or drop off, at a rate of 6 dBA per doubling of distance. Noise from a line source (e.g., roadway, pipeline, railroad) typically attenuates at about 3 dBA per doubling of distance (Caltrans 2013). The propagation of noise is also affected by the intervening ground, known as ground absorption. A hard site, such as a parking lot or smooth body of water, receives no additional ground attenuation and the changes in noise levels with distance (drop-off rate) result simply from the geometric spreading of the source. An additional ground attenuation value of 1.5 dBA per doubling of distance applies to a soft site (e.g., soft dirt, grass, or scattered bushes and trees) (Caltrans 2013). Noise levels may also be reduced by intervening structures. The amount of attenuation provided by this "shielding" depends on the size of the object and the frequencies of the noise levels. Natural terrain features, such as hills and dense woods, and manufactured features, such as buildings and walls, can significantly alter noise levels. Generally, any large structure blocking the line of sight will provide at least a 5-dBA reduction in source noise levels at the receiver (Federal Highway Administration [FHWA] 2011). Structures can reduce occupants' exposure to noise as well. The FHWA's guidelines

indicate that modern building construction generally provides an exterior-to-interior noise level reduction of 20 to 35 dBA with closed windows.

Descriptors

The impact of noise is not a function of loudness alone. The time of day when noise occurs, its frequency, and the duration of the noise are also important. In addition, most noise that lasts for more than a few seconds is variable in its intensity. Consequently, a variety of noise descriptors have been developed.

One of the most frequently used noise metrics that considers both duration and intensity is the equivalent noise level (L_{eq}). The L_{eq} is defined as the single steady A-weighted level that is equivalent to the same amount of energy as that contained in the actual fluctuating levels over a period of time. Typically, L_{eq} is equivalent to a one-hour period, even when measured for shorter durations as the noise level of a 10- to 30-minute period would be the same as the hour if the noise source is relatively steady. L_{max} is the highest Root Mean Squared (RMS) sound pressure level within the sampling period, and L_{min} is the lowest RMS sound pressure level within the measuring period (Crocker 2007). Normal conversational levels at three feet are in the 60 to 65-dBA L_{eq} range and ambient noise levels greater than 65 dBA L_{eq} can interrupt conversations (Federal Transit Administration [FTA] 2018).

Noise that occurs at night tends to be more disturbing than that which occurs during the day. Community noise is usually measured using Day-Night Average Level (L_{dn} or DNL), which is a 24-hour average noise level with a +10 dBA penalty for noise occurring during nighttime (10:00 p.m. to 7:00 a.m.) hours, or Community Noise Equivalent Level (CNEL), which is the 24-hour average noise level with a +5 dBA penalty for noise occurring from 7:00 p.m. to 10:00 p.m. and a +10 dBA penalty for noise occurring from 10:00 p.m. to 7:00 a.m. (Caltrans 2013). Noise levels described by DNL and CNEL usually differ by about 0.5 dBA. Quiet suburban areas typically have a CNEL in the range of 40 to 50 dBA, while areas near arterial streets are typically in the 50 to 70+ CNEL range.

Propagation

Sound from a small, localized source (approximating a “point” source) radiates uniformly outward as it travels away from the source in a spherical pattern, known as geometric spreading. The sound level decreases or drops off at a rate of approximately 6 dBA for each doubling of distance.

Traffic noise is not a single, stationary point source of sound. Rather, the movement of vehicles makes the source of the sound appear to emanate from a line (line source) rather than a point. The drop-off rate for a line source is approximately 3 dBA for each doubling of distance.

2.2 Vibration

Groundborne vibration of concern in environmental analysis consists of the oscillatory waves that move from a source through the ground to adjacent structures. The number of cycles per second of oscillation makes up the vibration frequency, described in terms of hertz (Hz). The frequency of a vibrating object describes how rapidly it oscillates. **Descriptors**

Vibration amplitudes are usually expressed in peak particle velocity (PPV). The PPV is normally described in inches per second (in./sec.). PPV is defined as the maximum instantaneous positive or negative peak of a vibration signal. PPV is often used in monitoring of vibration because it is related to the stresses that are experienced by buildings (Caltrans 2020).

Response to Vibration

Caltrans has developed limits for the assessment of vibrations from transportation and construction sources. The Caltrans vibration limits are reflective of standard practice for analyzing vibration impacts on structures. The Caltrans *Transportation and Construction Vibration Guidance Manual* (2020) identifies guideline impact criteria for damage to buildings, shown in Table 2.

Table 2 Vibration Damage Potential

Structure and Condition	Maximum PPV (in./sec.)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Extremely fragile historic buildings, ruins, ancient mountains	0.12	0.08
Fragile buildings	0.20	0.10
Historic and similar old buildings	0.50	0.25
Older residential structures	0.50	0.30
New residential structures	1.00	0.50
Modern industrial/commercial buildings	2.00	0.50

Note: Transient sources create a single isolated vibration event, such as blasting or drop balls (i.e., a loose steel ball that is dropped onto structures or rock to reduce them to a manageable size). Continuous/frequent intermittent sources include impact pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment.

PPV = peak particle velocity; in./sec. = inches per second

Source: Caltrans 2020

Propagation

Vibration energy spreads out as it travels through the ground, causing the vibration level to diminish with distance away from the source. High-frequency vibrations diminish much more rapidly than low frequencies, so low frequencies tend to dominate the spectrum at large distances from the source. Variability in the soil strata can also cause diffractions or channeling effects that affect the propagation of vibration over long distances (Caltrans 2020). When a building is exposed to vibration, a ground-to-foundation coupling loss (the loss that occurs when energy is transferred from one medium to another) will usually reduce the overall vibration level. However, under rare circumstances, the ground-to-foundation coupling may amplify the vibration level due to structural resonances of the floors and walls.

2.3 Sensitive Receivers

Noise exposure goals for various types of land uses reflect the varying noise sensitivities associated with those uses. According to the Los Angeles County General Plan Noise Element, land uses that house sensitive receptors, or those at high risk of being affected by high noise levels, are considered noise-sensitive uses. Noise-sensitive uses, such as residences, hospitals, schools, childcare facilities, and places of assembly are especially vulnerable to excessive noises generated by airports, rail, freeways, primary arterials, heavy industry, and warehousing facilities (Los Angeles County 2015).

Vibration-sensitive receivers, which are similar to noise-sensitive receivers, include residences and institutional uses, such as schools, churches, and hospitals. Vibration-sensitive receivers also include buildings where vibrations may interfere with vibration-sensitive equipment that is affected by

vibration levels that may be well below those associated with human annoyance (e.g., recording studies or medical facilities with sensitive equipment).

As shown in Figure 2, the site is predominantly surrounded by residential and commercial uses. Sensitive receivers nearest to the site consist of single-family residences approximately 50 feet to the east across South Cahita Avenue; additional single-family residences immediately to the east, south, and west of the site; and the adjacent Church located to the west of the proposed School portion. In addition, the project would include buildout of a charter school, which would add new sensitive receivers to the site.

2.4 Project Noise Setting

The most common source of noise in urban areas is vehicular traffic. In the immediate project area, vehicular traffic along East Rosecrans Avenue is the primary noise source. Ambient noise levels are generally highest during the daytime and peak traffic hours unless congestion substantially slows speeds. To further characterize ambient noise levels at the site, three 15-minute noise level measurements were collected by Rincon on June 24, 2021 between 4:45 p.m. and 5:45 p.m. using an Extech (Model 407780A) ANSI Type 2 integrating sound level meter. An additional 24-hour noise level measurement was collected between June 24, 2021 and June 25, 2021. Table 3 summarizes the noise measurement results and Figure 4 shows the noise measurement locations. Short-term noise measurement (ST) 1 is located at the northern property line of the proposed School portion of the site facing East Rosecrans Avenue; ST 2 is located along South Cahita Avenue adjacent to single-family residences; and ST 3 is located within a single-family residential neighborhood along 145th Street south of the site. The long-term noise measurement (LT) 1 is located near the center of the proposed School portion. Noise levels for the 15-minute measurements are provided in L_{eq} for the measurement period; L_{min} and L_{max} are also provided. The noise level for the 24-hour measurement is provided in CNEL. Figure 5 represents the data collected throughout the 24-hour measurement in a graph format. as shown in Figure 5, noise levels are generally highest during the hours between 8 a.m. and 8 p.m. detailed sound level measurement data are included in Appendix A.

Table 3 Project Vicinity Sound Level Monitoring Results

	Measurement Location	Sample Times	Approximate Distance to Primary Noise Source	L_{eq} (dBA)	L_{min} (dBA)	L_{max} (dBA)	CNEL
ST 1	Northern property line of proposed School portion of site	4:46 p.m. – 5:01 p.m.	85 feet from centerline of E. Rosecrans Avenue	66	54	76	-
ST 2	East of proposed School portion, adjacent to residences	5:04 p.m. – 5:19 p.m.	285 feet from centerline of E. Rosecrans Avenue	57	49	72	-
ST 3	South of site, adjacent to residences	5:26 p.m. to 5:41 p.m.	15 feet from centerline of 145th Street	53	47	72	-
LT 1	Center area of proposed School portion of site	4:37 p.m. (June 24, 2021) – 4:37 p.m. (June 25, 2021)	340 feet from centerline of E. Rosecrans Avenue	-	-	-	55

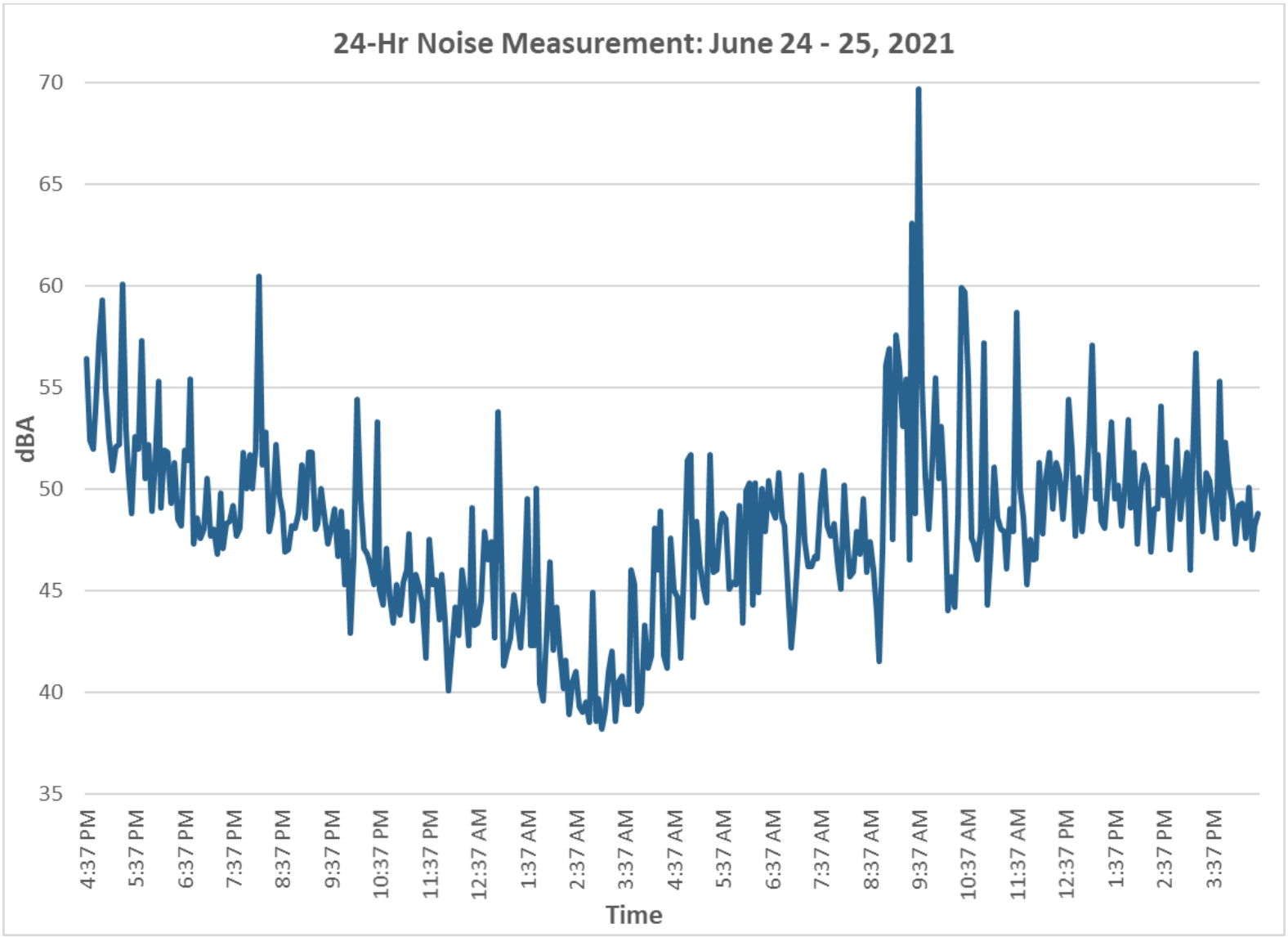
See Appendix A for noise monitoring data. Noise level measurements have been rounded to the nearest whole number.

Source: Rincon field visit between June 24, 2021 and June 25, 2021

Figure 4 Noise Measurement and Sensitive Receiver Locations

Imagery provided by Microsoft Bing and its licensors © 2021.

Figure 5 24-Hour Noise Measurement Data



2.5 Regulatory Setting

State of California

The State of California's Office of Planning and Research (OPR) *General Plan Guidelines* includes recommended noise level standards to identify and prevent the implementation of incompatible uses when compared to the existing noise environment. As shown in Table 4, this land use compatibility chart identifies 'normally acceptable,' 'conditionally acceptable,' 'normally unacceptable', and 'clearly unacceptable' noise levels for various land uses. A normally acceptable designation indicates that standard construction can occur with no special noise reduction requirements. By comparison, a conditionally acceptable designation implies new construction or development should be undertaken only after a detailed analysis of the noise reduction requirements for each land use is made and needed noise insulation features are incorporated in the design.

Table 4 Community Noise and Land Use Compatibility Matrix (CNEL)

Land Use	Normally Acceptable[1]	Conditionally Acceptable[2]	Normally Unacceptable[3]	Clearly Unacceptable[4]
Residential – Low Density, Single-Family, Duplex, Mobile Home	Up to 60	60 – 70	70 – 75	75 and above
Residential – Multiple-Family	Up to 65	65 – 70	70 – 75	75 and above
Transient Lodging – Motel, Hotel	Up to 65	65 – 70	70 – 80	80 and above
School, Library, Church, Hospital, Nursing Home	Up to 70	–	70 – 80	80 and above
Auditorium, Concert Hall, Amphitheater	–	Up to 70	–	70 and above
Sports Arena, Outdoor Spectator Sports	–	Up to 75	–	75 and above
Playground, Neighborhood Park	Up to 70	–	70 – 75	75 and above
Golf Course, Riding Stable, Water Recreation, Cemetery	Up to 75	–	–	75 and above
Office Building, Business, Commercial, Professional	Up to 70	70 – 75	75 and above	–
Industrial, Manufacturing, Utilities, Agricultural	Up to 75	75 – 80	80 and above	–

[1] Normally Acceptable: Specified land use is satisfactory based upon the assumption that any buildings involved are of normal conventional construction, without any special noise insulation requirements.

[2] Conditionally Acceptable: New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features included in the design. Conventional construction, but with close windows and fresh air supply systems or air conditioning will normally suffice.

[3] Normally Unacceptable: New construction or development should generally be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements is made and needed noise insulation features included in the design.

[4] Clearly Unacceptable: New construction or development should generally not be undertaken.

Note: Noise levels are provided in CNEL.

Source: OPR 2017

Los Angeles County General Plan

The goal and associated policies included in the Los Angeles County General Plan Noise Element focus on reducing and limiting the exposure of the general public to excessive noise levels. The following Noise Element policies are applicable to the project (Los Angeles County 2015).

Goal N 1: The reduction of excessive noise impacts.

- **Policy N 1.2:** Reduce exposure to noise impacts by promoting land use compatibility.
- **Policy N 1.3:** Minimize impacts to noise-sensitive land uses by ensuring adequate site design, acoustical construction, and use of barriers, berms, or additional engineering controls through Best Available Technologies (BAT).
- **Policy N 1.9:** Require construction of suitable noise attenuation barriers on noise sensitive uses that would be exposed to exterior noise levels of 65 CNEL and above, when unavoidable impacts are identified.
- **Policy N 1.11:** Maximize buffer distances and design and orient sensitive receptor structures (hospitals, residential, etc.) to prevent noise and vibration transfer from commercial/light industrial uses.

Los Angeles County Code

Chapter 12.08, *Noise Control*, of the Los Angeles County Code (LACC) regulates unnecessary, excessive, and annoying noise and vibration in the County. The LACC includes exterior noise standards, interior noise standards, and other specific noise and vibration restrictions.

LACC Section 12.08.390 identifies exterior noise standards for various receiving properties in the County, as shown in Table 5.

Table 5 Exterior Noise Standards

Noise Zone	Land Use (Receiving Property)	Time Interval	Exterior Noise Level (dBA L_{eq})
I	Noise-Sensitive Area	Anytime	45
II	Residential Properties	10:00 p.m. to 7:00 a.m.	45
		7:00 a.m. to 10:00 p.m.	50
III	Commercial Properties	10:00 p.m. to 7:00 a.m.	55
		7:00 a.m. to 10:00 p.m.	60
IV	Industrial Properties	Anytime	70

Source: LACC Section 12.08.390

According to LACC Section 12.08.390, the exterior noise level shall not exceed:

- The noise standard for a cumulative period of more than 30 minutes in any hour;
- The noise standard plus 5 dBA for a cumulative period of more than 15 minutes in any hour;
- The noise standard plus 10 dBA or a cumulative period of more than 5 minutes in any hour;
- The noise standards plus 15 dBA for a cumulative period of more than 1 minute in any hour; and/or
- The noise standard plus 20 dBA for any period of time.

LACC Section 12.08.400 identifies interior noise standards for multi-family residential properties in the County, as shown in Table 6.

Table 6 Interior Noise Standards

Noise Zone	Land Use (Receiving Property)	Time Interval	Interior Noise Level (dBA L_{eq})
All	Multi-Family Residential Properties	10:00 p.m. to 7:00 a.m.	40
		7:00 a.m. to 10:00 p.m.	45

Source: LACC Section 12.08.400

LACC Section 12.08.440.A prohibits the operation of any tools or equipment used in construction, drilling, repair, alteration or demolition work between weekday hours of 7:00 p.m. and 7:00 a.m., or any time on Sundays or holidays such that the sound creates a noise disturbance across a residential or commercial real-property line, except for emergency work by public service utilities or by variance issued by the health officer.

Per LACC Section 12.08.440.B.1.a, the maximum noise levels for nonscheduled, intermittent, short-term operation (less than 10 days) of mobile equipment during construction activities are shown in Table 7.

Table 7 Maximum Noise Levels for Short-Term Mobile Equipment

	Single-Family Residential	Multi-Family Residential	Semi-Residential/ Commercial
Daily, except Sundays and legal holidays, 7:00 a.m. to 8:00 p.m.	75 dBA	80 dBA	85 dBA
Daily, 8:00 p.m. to 7:00 a.m. and all day Sunday and legal holidays	60 dBA	64 dBA	70 dBA

Source: LACC Section 12.08.440

Per LACC Section 12.08.440.B.1.b, the maximum noise levels for repetitively scheduled and relatively long-term operation (periods of 10 days or more) for stationary equipment during construction are shown in Table 8.

Table 8 Maximum Noise Levels for Long-Term Stationary Equipment

	Single-Family Residential	Multi-Family Residential	Semi-Residential/ Commercial
Daily, except Sundays and legal holidays, 7:00 a.m. to 8:00 p.m.	60 dBA	65 dBA	70 dBA
Daily, 8:00 p.m. to 7:00 a.m. and all day Sundays and legal holidays	50 dBA	55 dBA	60 dBA

Source: LACC Section 12.08.440

LACC Section 12.08.440.C also states all mobile or stationary internal-combustion-engine powered equipment or machinery shall be equipped with suitable exhaust and air-intake silencers in proper working order.

LACC Section 12.08.460 prohibits the loading, unloading, opening, closing or other handling of boxes, crates, containers, building materials, garbage cans or similar objects between the hours of 10:00 p.m. and 6:00 a.m. in such a manner as to cause noise disturbance.

LACC Section 12.08.560 establishes an operational vibration perception threshold of 0.01 inches per section (in/sec) over the range of 1 to 100 Hz.

LACC Section 12.08.570.C exempts noise from outdoor activities conducted on public playgrounds and public or private school grounds, including but not limited to school athletic and school entertainment events, from noise regulations.

3 Impact Analysis

3.1 Methodology

Construction Noise

Construction noise was estimated using the FHWA Roadway Construction Noise Model (RCNM) (FHWA 2006). RCNM predicts construction noise levels for a variety of construction operations based on empirical data and the application of acoustical propagation formulas. Using RCNM, construction noise levels were estimated at noise-sensitive receivers near the project site. RCNM provides reference noise levels for standard construction equipment, with an attenuation rate of 6 dBA per doubling of distance.

For construction noise assessment, construction equipment can be considered to operate in two modes: stationary and mobile. As a rule, stationary equipment operates in a single location for one or more days at a time, with either fixed-power operation (e.g., pumps, generators, and compressors) or variable-power operation (e.g., pile drivers, rock drills, and pavement breakers). Mobile equipment moves around the construction site with power applied in cyclic fashion, such as bulldozers, graders, and loaders (FTA 2018). Noise impacts from stationary equipment are assessed based on the location of the center of the equipment, while noise impacts from mobile construction equipment are assessed based on the location of the center of the equipment activity area (e.g., construction site).

Variation in power imposes additional complexity in characterizing the noise source level from construction equipment. Power variation is accounted for by describing the noise at a reference distance from the equipment operating at full power and adjusting it based on the duty cycle, or percent of operational time, of the activity to determine the L_{eq} of the operation (FTA 2018).

Each phase of construction has a specific equipment mix, depending on the work to be accomplished during that phase. Each phase also has its own noise characteristics; some will have higher continuous noise levels than others and some may have high-impact noise levels (FTA 2018). In typical construction projects, grading activities typically generate the highest noise levels because grading involves the largest equipment and covers the greatest area. Foundation excavation and construction is often the second loudest phase, followed by paving and building construction.

Project construction phases would include site preparation, grading, building construction, architectural coating, and paving of the project site. It is assumed that diesel engines would power all construction equipment. Modeling is based on the conservative assumption that a dozer and an excavator would be operating simultaneously.

Using RCNM, noise was modeled at the property line of the nearest noise-sensitive receivers from the center of on-site construction activity since equipment would be operating at various locations throughout the proposed School portion of the site. As discussed in Section 2.3, *Sensitive Receivers*, sensitive receivers nearest to the proposed School portion of the site consist of single-family residences approximately 50 feet to the east across South Cahita Avenue; additional single-family residences immediately to the east, south, and west of the site; and the Church portion of the project site (as shown in Figure 2). For this analysis, the adjacent Church is conservatively considered a residential-type use.

Construction equipment would be continuously moving across the proposed School portion of the site, coming near and then moving further away from individual receivers. Due to the dynamic nature of construction, noise levels are calculated from the average center of on-site construction activity. Since the proposed School portion of the site is adjacent to the various surrounding receivers, including the backyards of single-family residences (as shown in Figure 2), noise was modeled at various distances between 15 feet and 150 feet from individual receivers. RCNM calculations are included in Appendix B.

On-site Operational Noise

The primary on-site noise source associated with operation of the project would consist of conversing students while outdoors (e.g., lunch break) at the open quad area located at the center area of the proposed School portion between proposed school buildings or at the covered seating area located at the eastern area of the proposed School portion. Normal conversational levels at three feet are in the 60 to 65-dBA L_{eq} range (FTA 2018). This analysis uses a reference noise level of 63 dBA L_{eq} at 3 feet for 20 people talking simultaneously (City of Los Angeles 2011). According to applicant-provided project information, a typical school day would have two lunch periods and is anticipated to have two shorter break periods. Therefore, based on a school enrollment of 600 students, it is estimated that 300 students would be outdoors at a time. This analysis assumes that up to 300 students would be gathered in the same outdoor area with half of these students, or 150 students, conversing at once.

Other sources of noise include delivery trucks, trash hauling trucks, and heating, ventilation, and air conditioning (HVAC) units. Specific planning data for project HVAC systems are not available at this stage of project design; however, for a reasonable analysis, a typical to larger-sized condenser was used to determine project HVAC noise. The unit used for this analysis is a Carrier 38HDR060 split system condenser. Manufacturer specifications are included in Appendix C. The manufacturer's noise data lists the unit as having a sound power level of 72 dBA.

Land Use Compatibility

The project would be subject to ambient noise levels in the project area, predominately from vehicular traffic along East Rosecrans Avenue. Ambient 24-hour noise data gathered at the proposed School portion of the project site was compared to the land use compatibility chart shown in Table 4. In addition, the FHWA Traffic Noise Model (TNM) was used to model traffic noise along East Rosecrans Avenue to determine noise levels at the project's frontage with direct line-of-sight to East Rosecrans Avenue. According to Appendix L to the Los Angeles County General Plan Update Environmental Impact Report, the segment of East Rosecrans Avenue nearest to the site carries approximately 24,050 average daily trips (ADT) (Los Angeles County 2014). East Rosecrans Avenue is designated as a major highway with a speed limit of 40 miles per hour (mph). Therefore, a vehicle mix of 95 percent automobile, three percent medium-duty trucks, and two percent heavy-duty trucks was assumed for East Rosecrans Avenue. FHWA TNM results are included in Appendix D.

Off-site Traffic Noise

In addition to producing on-site sources of noise, the project would generate vehicle trips, thereby increasing traffic on area roadways. According to the Transportation Impact Analysis prepared by the Linscott Law & Greenspan Engineers (LLG), the project would result a net increase of 967daily vehicle trips (LLG 2022). As shown in Figure 2, the project's driveways (consisting of an ingress driveway on the west side of the site and egress driveway between the Church portion and

proposed School portion) are located along South Clymar Avenue, which is separated from East Rosecrans Avenue by a traffic divider. Because East Rosecrans Avenue is a major highway, this analysis assumes that the project's vehicle trips would be predominantly distributed onto East Rosecrans Avenue via the adjacent South Clymar Avenue/South Cahita intersection located at the northeast corner of the site.

Groundborne Vibration

Operation of the project would not include any substantial vibration sources, such as heavy equipment operations. Construction activities would, however, have the greatest potential to generate groundborne vibration affecting nearby structures, especially during grading of the proposed School portion of the site. A quantitative assessment of potential vibration impacts from construction activities was conducted using the methodology and vibration levels provided by Caltrans (Caltrans 2020). The greatest vibratory sources during construction would be operation of jackhammers, bulldozers, and loaded trucks. Table 9 shows typical vibration levels for various pieces of construction equipment used in the assessment of construction vibration.

Table 9 Typical Vibration Levels during Construction Activities

Equipment	in./sec. PPV at 25 feet
Large bulldozer	0.089
Loaded trucks	0.076
Jack Hammer	0.035
Small bulldozer	0.003

Source: FTA 2018

Because groundborne vibration could cause physical damage to structures and is measured in an instantaneous period, vibration impacts were modeled based on the distance from the location of vibration-intensive construction activities, conservatively assumed to be at edge of the proposed School portion of the site, to the edge of nearby off-site structures. Therefore, the groundborne vibration analysis differs from the construction noise analysis in that modeled distances for vibration impacts are those distances between the edge of a project site to nearest off-site structures whereas modeled distances for construction noise impacts are those distances between the center of on-site construction activity and the property line of the nearest off-site sensitive receivers. Based on the distance of nearby structures to the proposed School portion and equipment setback distances, equipment was modeled at 15 feet from single-family residences, 30 feet from the Church to the west, and 75 feet from single-family residences to the east across South Cahita Avenue. For this analysis, the adjacent Church is conservatively considered a residential-type use. Vibration calculations are included in Appendix E.

3.2 Significance Thresholds

To determine whether a project would have a significant noise impact, Appendix G of the CEQA Guidelines requires consideration of whether a project would result in:

1. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies
2. Generation of excessive groundborne vibration or groundborne noise levels
3. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, expose people residing or working in the project area to excessive noise levels

Construction Noise

According to LACC Section 12.08.440, construction noise would have a significant impact if noise levels were to exceed applicable limits as shown in Table 7 during the allowed construction hours of 7:00 a.m. to 7:00 p.m. during the week.

On-site Operational Noise

The County has adopted noise standards in the LACC that regulate operational noise sources in the County. LACC Section 12.08.570.C exempts noise from outdoor activities conducted on public playgrounds and public or private school grounds, including but not limited to school athletic and school entertainment events, from noise regulations. Nonetheless, this analysis conservatively analyzes operational noise from anticipated outdoor activities on the proposed School portion. The project would result in a significant impact if it were to generate noise from on-site sources in excess of the exterior noise standards identified in LACC Section 12.08.390 and shown in Table 5.

Land Use Compatibility

The State has adopted noise guidelines that provide the 'normally acceptable', 'conditionally acceptable', 'normally unacceptable', and 'clearly unacceptable' noise levels for different land uses. According to the noise compatibility matrix shown in Table 4, ambient noise up to 70 CNEL is normally acceptable for a school.

Off-site Traffic Noise

Off-site project noise (i.e., roadway noise) would result in a significant impact if the project were to cause the ambient noise level measured at the property line of affected uses to increase by 3 dBA, which would be a barely perceptible increase in traffic noise.

Construction Vibration

The County has not adopted a significance threshold to assess vibration impacts during construction. Therefore, the Caltrans *Transportation and Construction Vibration Guidance Manual* (2020) is used to evaluate potential construction vibration impacts related to potential building damage. Based on the Caltrans criteria shown in Table 2, construction vibration impacts would be significant if vibration levels were to exceed 0.3 in./sec. PPV for residential structures and 0.5 in./sec. PPV for commercial structures, which is the limit where minor cosmetic (i.e., non-structural) damage may occur to these buildings.

3.3 Impact Analysis

CEQA Appendix G Noise Threshold 1 Would the proposed project generate a substantial temporary increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Impact N-1 CONSTRUCTION ACTIVITIES WOULD TEMPORARILY INCREASE AMBIENT NOISE LEVELS IN THE PROJECT VICINITY IN EXCESS OF THE COUNTY'S CONSTRUCTION NOISE LIMITS. WHILE THE PROJECT WOULD COMPLY WITH LACC SECTION 12.08.440.C. AND EQUIP SUITABLE EXHAUST AND AIR-INTAKE SILENCERS ON ALL EQUIPMENT, ADDITIONAL NOISE-REDUCTION MEASURES WOULD BE REQUIRED TO REDUCE CONSTRUCTION NOISE BELOW APPLICABLE CONSTRUCTION NOISE LIMITS. THEREFORE, TEMPORARY CONSTRUCTION NOISE IMPACTS WOULD BE LESS THAN SIGNIFICANT WITH MITIGATION.

Construction Noise Impacts

Construction activity would result in temporary increases in ambient noise in the site vicinity on an intermittent basis and, as such, would expose surrounding noise sensitive receivers to increased noise. As discussed in Section 3.2, *Methodology*, due to the dynamic nature of construction, RCNM was used to calculate maximum construction noise levels from the average center of on-site construction activity to the receivers surrounding the proposed School portion of the site. Therefore, noise was modeled at various distances between 15 feet and 150 feet from individual receivers. RCNM calculations are included in Appendix B and are shown in in Table 10.

Table 10 Construction Noise Levels at Various Distances from Surrounding Receivers

	Approximate L_{max}, dBA						
Construction Equipment	**15 Feet**	**25 Feet**	**50 Feet**	**75 Feet**	**100 Feet**	**125 Feet**	**150 Feet**
Bulldozer and Excavator	92	88	82	78	76	74	72

See Appendix B for RCNM results.

Maximum noise levels during project construction were calculated at approximately 92 dBA L_{max} at 15 feet from the source, which is anticipated to occur at properties abutting the eastern, southern, and western property lines of the proposed School portion. Overall, maximum noise levels at specific nearby sensitive receivers range from 92 dBA L_{max} at 15 feet from the source (i.e., abutting residential and Church properties) to 72 dBA L_{max} at 150 feet from the source (i.e., residential properties further east across South Cahita Avenue). According to LACC Section 12.08.440, construction noise would have a significant impact if noise levels were to exceed applicable limits as shown in Table 7 during the allowed construction hours of 7:00 a.m. to 7:00 p.m. during the week. Furthermore, LACC Section 12.08.460 prohibits the loading, unloading, opening, closing or other handling of building materials or similar objects between the hours of 10:00 p.m. and 6:00 a.m. in such a manner as to cause noise disturbance. Construction of the project would occur during daytime hours and, therefore, construction activities would not disturb nearby residences during more sensitive nighttime and early morning hours. Nonetheless, per LACC mobile equipment noise standards shown in Table 7, construction noise would exceed 75 dBA L_{max} at nearby single-family residential properties with distances less than 125 feet from the center of on-site construction

activities. Therefore, the applicant would be required to implement the following mitigation measure during construction of the project:

N-1 Construction Noise Reduction

The construction contractor would be required to implement noise-reduction measures during construction, which may include but are not limited to:

- Schedule construction activities to avoid operating several pieces of equipment simultaneously, which can cause high noise levels.
- Retrofit mobile equipment with an industrial grade silencer or silencer of similar capacity.
- Enclose stationary equipment.
- Locate all construction areas for staging and warming up as far as possible from adjacent residential buildings and sensitive receivers.
- Erect temporary noise barriers with a minimum height of 12 feet along the project boundaries. The noise barriers shall be constructed with solid material with a density of at least 1 pound per square foot with no gaps from the ground to the top of the barrier and be lined on the construction side with acoustical blanket, curtain or equivalent absorptive material rated sound transmission class (STC) 32 or higher.
- Comply with Los Angeles County Code Section 12.08.440A, which prohibits the operation of any tools or equipment used in construction, drilling, repair, alteration or demolition work between weekday hours of 7:00 p.m. and 7:00 a.m., or any time on Sundays or holidays such that the sound creates a noise disturbance across a residential or commercial property line.
- Provide a sign at the yard entrance, or other conspicuous location, that includes a 24-hour telephone number for project information, and a procedure where a field engineer/construction manager shall respond to and investigate noise complaints and take corrective action, if necessary, in a timely manner. The sign shall have a minimum dimension of 48 inches wide by 24 inches high and be placed 5 feet above ground level.
- If a noise complaint(s) is registered, the contractor shall retain a County-approved noise consultant to conduct noise measurements at the use(s) that registered the complaint. The noise measurements shall be conducted for a minimum of 1 hour and will include 1-minute intervals. The consultant shall prepare a letter report for code enforcement summarizing the measurements, calculation data used in determining impacts, and potential measures to reduce noise levels to the maximum extent feasible.

Construction Noise After Recommendations

Implementation of these recommendations would reduce construction noise at nearby residential properties to below the County's maximum noise level for construction noise to residential properties of 75 dBA L_{max}. Therefore, with recommendations, construction noise impacts would be less than significant.

CEQA Appendix G Noise Threshold 1 Would the proposed project generate a substantial permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Impact N-2 OPERATION OF THE PROJECT WOULD GENERATE ADDITIONAL SOURCES OF NOISE WHEN COMPARED TO THE PROJECT SITE'S EXISTING CONDITIONS DUE TO THE INCREASE IN SCHOOL STAFF AND STUDENT CAPACITY. ON-SITE OPERATIONAL NOISE GENERATED BY USE OF OUTDOOR AREAS WOULD EXCEED THE COUNTY'S EXTERIOR NOISE LIMITS. HOWEVER, IMPLEMENTATION OF A PERMANENT SOUND WALL WOULD REDUCE OUTDOOR NOISE BELOW APPLICABLE NOISE LIMITS. THEREFORE, ON-SITE OPERATIONAL NOISE IMPACTS WOULD BE LESS THAN SIGNIFICANT WITH MITIGATION.

On-site Operational Noise Impacts

Delivery and Trash Hauling Services

The project would require periodic delivery and trash hauling services. However, noise associated with delivery and trash-hauling trucks would be an intermittent noise source and are already a common occurrence in the project area due to existing residential and commercial uses that make up the developed urban area. Therefore, such services associated with the project would not result in a substantial permanent increase in ambient noise levels without the project. Furthermore, LACC Section 12.08.460 prohibits the loading, unloading, opening, closing or other handling of boxes, crates, containers, building materials, garbage cans or similar objects between the hours of 10:00 p.m. and 6:00 a.m. in such a manner as to cause noise disturbance. Therefore, operational noise impacts associated with delivery and trash-hauling trucks would be less than significant.

HVAC Units

Off-site receivers may periodically be subject to noise from project HVAC units, which would be located at the roof of the new school building and at ground level of the existing building to be repurposed. Exact locations of the ground-level HVAC units are unknown at this stage of planning; however, when compared to the proposed rooftop units, potential ground-level units at the rear of the existing building would be nearest to noise-sensitive receivers. Therefore, for this analysis, it was conservatively assumed that HVAC units nearest to off-site residences could be located at grade. With setbacks from the property line, it was assumed the HVAC units could be within eight feet of the property line. A Carrier 38HDR060 split system with a sound power level of 72 dBA would generate a noise level of approximately 57 dBA at a distance of seven feet. In addition, the five- to six-foot wall located at the eastern property line would provide noise attenuation of approximately 10 dBA from the HVAC unit to the nearby residences. Therefore, with attenuation from the wall and over an eight-foot distance, a ground-level HVAC unit would result in noise levels of approximately 46 dBA at the nearest single-family residences along South Cahita Avenue, which would be below the measured ambient noise level of 57 dBA L_{eq} at these residences (as shown in Table 3). Furthermore, noise from HVAC equipment would typically occur during daytime school hours and not during more sensitive nighttime hours. Per LACC exterior noise standards shown in Table 5, HVAC equipment noise would not exceed the 50 dBA daytime noise limit at nearby single-family residential properties. Therefore, operational noise impacts related to HVAC equipment would be less than significant.

Outdoor Noise

While existing preschool operations at the proposed School portion of the site currently generate outdoor noise from playing children, the project would repurpose the existing building and construct a new school building thereby increasing the student and staff population and associated outdoor noise. Therefore, the primary on-site noise source associated with operation of the project would consist of conversing students in outdoor areas, such as the proposed open quad area located between the proposed school buildings at the center area of the proposed School portion of the site or the covered seating area located at the eastern area of the proposed School portion. The project does not include a playground area, which are typically associated with higher levels of recreation noise. Rather, the proposed outdoor areas are anticipated to be used by students and staff for eating, reading, studying, and perhaps small group discussions. As such, outdoor noise would be an intermittent and temporary noise source, which would be limited to the daytime during school hours and when staff and students are outdoors (e.g., mornings prior to class start times, study breaks or lunch breaks throughout the day, afterschool prior to students getting picked up). Therefore, this analysis only includes noise generated during the daytime hours, as the school would not be operational during nighttime hours. This analysis assumes that up to 300 students would be gathered in the same outdoor area with half of these students, or 150 students, conversing at once. Furthermore, due to the approximately 200-foot distance of single-family residences to the west and the proposed location of the new, 35-foot school building between outdoor areas and single-family residences to the south and west, this analysis focuses on outdoor noise impacts to the nearest single-family residences along the eastern property line of the proposed School portion of the site.

Residences adjacent to the eastern property of the proposed School portion would be located as close as 25 feet from a gathering of 150 students in outdoor areas. Based on a reference noise level of 63 dBA L_{eq} at a distance of 3 feet from 20 people talking simultaneously, outdoor noise would be up to 72 dBA L_{eq} at 3 feet for 150 students conversing at once (City of Los Angeles 2011). Therefore, with attenuation over a 25-foot distance to the nearest single-family residence, conversing students would result in noise level of approximately 54 dBA at the nearest single-family residence along South Cahita Avenue.[1] Apart from the proposed 35-foot school building, the existing, approximately five- to six-foot-tall, concrete property line wall along the eastern and southern property lines of the site (i.e., between abutting residences and the School portion) would provide additional shielding to most residences adjacent to the eastern property line of the proposed School portion. This wall would reduce noise levels by at least 5 dBA to 49 dBA (FHWA). However, as shown in Figure 6 on the following page, this wall is not consistent at the eastern property line of the site, converting to chain-link fence at the two single-family residences nearest to the proposed outdoor areas. These residences are located at 14317 South Cahita Avenue and 14321 South Cahita Avenue and are identified by APNs 6137-017-002 and -003, respectively. Compared to a solid concrete wall, the chain-link fence would not adequately reduce outdoor noise levels at these residences. According to a 24-hour noise measurement conducted between June 24, 2021 and June 25, 2021, and as shown in Figure 5, the rear yards of these residences generally experience ambient noise levels between 45 dBA and 60 dBA. Nonetheless, per LACC exterior noise standards shown in Table 5, outdoor noise would exceed the daytime standard of 50 dBA at nearest residential properties. As such, the applicant would be required to implement the following mitigation measure.

[1] As discussed under Section 2, *Background*, noise levels would attenuate at a rate of 6 dBA per doubling of distance from a point source (i.e., a gathering of students).

N-2 Outdoor Noise Attenuation

The project applicant shall replace the existing chain-link fence with a concrete masonry unit wall, or other wall constructed of solid material, at least six feet in height. Specifically, the wall shall cover: 1) the approximately 100-foot, north-south stretch between the project site and the western property line of single-family residences located at 14317 South Cahita Avenue and 14321 South Cahita Avenue, and 2) the approximately 120-foot, east-west stretch between the site and the northern property line of the single-family residence located at 14317 South Cahita Avenue. This wall shall connect to the existing five- to six-foot wall located at the eastern property line to create one seamless solid wall between the project site and adjacent single-family residences. This feature shall be incorporated into project plans to be submitted by the applicant to the County of Los Angeles for review and approval prior to issuance of building permits.

Operational Noise After Recommendation

Implementation of this recommendation would reduce operational noise from students conversing outdoors by at least 5 dBA such that noise at the nearest single-family residences would not exceed the daytime standard of 50 dBA. Therefore, with this recommendation, operational noise impacts would be less than significant.

Figure 6 View of Chain-Link Fence (Concrete Wall Beyond) along Eastern Property Line

Land Use Compatibility

The project would be subject to ambient noise levels in the project area, predominately from vehicular traffic along East Rosecrans Avenue. The project would repurpose an existing 5,646-square-foot building on the proposed School portion of the site and construct a new classroom building for the development of a charter middle/high school. Based on traffic noise levels calculated using the FHWA TNM, the project's northern frontage would be exposed to an estimated

ambient noise level of 68 CNEL. New classroom buildings would also be located at the southern section of the proposed School portion, as shown in Figure 3. According to a 24-hour noise measurement conducted between June 24, 2021 and June 25, 2021, this area of the site is exposed to an estimated ambient noise level of 55 CNEL. According to the noise compatibility chart shown in Table 4, ambient noise up to 70 CNEL is 'normally acceptable' for a school. In addition, with exterior to interior attenuation from typical architectural materials of 25 dBA, interior noise levels would be well below the 45 CNEL standard. Therefore, the project would be exposed to noise levels within the normally acceptable range for a school.

CEQA Appendix G Noise Threshold 1 Would the proposed project generate a substantial permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Impact N-3 OPERATION OF THE PROJECT WOULD GENERATE ADDITIONAL VEHICLE TRIPS WHEN COMPARED TO THE PROJECT SITE'S EXISTING CONDITIONS DUE TO THE INCREASE IN SCHOOL STAFF AND STUDENT CAPACITY. HOWEVER, OFF-SITE TRAFFIC NOISE WOULD NOT CREATE A PERCEPTIBLE 3-DBA INCREASE IN EXISTING TRAFFIC NOISE. THEREFORE, OFF-SITE OPERATIONAL NOISE IMPACTS WOULD BE LESS THAN SIGNIFICANT.

Off-site Traffic Noise Impacts

The project would generate new vehicle trips and incrementally increase traffic on area roadways, particularly on East Rosecrans Avenue due to the location of the project's ingress driveway on the west side of the site and egress driveway between the Church portion and proposed School portion. According to the Transportation Impact Analysis prepared by the LLG, the project would result in a net increase of 967 daily vehicle trips onto East Rosecrans Avenue (LLG 2022). By comparison, the segment of East Rosecrans Avenue nearest to the site carries approximately 24,050 ADT (Los Angeles County 2014). Conservatively adding all 967daily vehicle trips generated by the project to East Rosecrans Avenue would increase traffic along these roadways by approximately four percent. This traffic increase would, in turn, increase traffic noise by an estimated 0.2 CNEL along East Rosecrans Avenue.[2] Therefore, the project would not generate substantial traffic noise from vehicle trips that would result a perceptible 3-dBA increase above existing traffic noise at East Rosecrans Avenue. Noise impacts associated with off-site traffic generated by the project would be less than significant.

[2] A doubling of traffic is required for an audible 3 dB increase in traffic noise levels. However, the increase in traffic generated by the proposed project would be approximately four percent of the estimated existing daily traffic along East Rosecrans Avenue.

CEQA Appendix G Noise Threshold 2 Would the proposed project generate excessive groundborne vibration or groundborne noise levels?

Impact N-4 OPERATION OF THE PROJECT WOULD NOT INCLUDE ANY STATIONARY SOURCES OF SIGNIFICANT VIBRATION AND WOULD THEREFORE NOT GENERATE EXCESSIVE GROUNDBORNE VIBRATION. CONSTRUCTION OF THE PROJECT WOULD NOT EXCEED CALTRANS' APPLICABLE BUILDING DAMAGE THRESHOLDS OF 0.3 IN./SEC. PPV FOR RESIDENTIAL BUILDINGS. THEREFORE, IMPACTS RELATING TO GROUNDBORNE VIBRATION WOULD BE LESS THAN SIGNIFICANT.

Groundborne Vibration Impacts

Certain types of construction equipment can generate high levels of groundborne vibration. Construction of the proposed project would potentially utilize loaded trucks, jackhammers, and/or bulldozers during most construction phases and during the demolition phase. Vibration impacts are assessed based on the distance from the location of vibration-intensive construction activities, conservatively assumed to be at edge of the proposed School portion of the site to the edge of nearby off-site structures. Based on the distance of nearby structures to the proposed School portion, equipment was modeled at 15 feet from single-family residences, 30 feet from the Church to the west, and 75 feet from single-family residences to the east across South Cahita Avenue. Table 11 shows estimated groundborne vibration levels from project equipment that is likely to result in the highest vibration levels.

Table 11 Vibration Levels at Receivers

	in./sec. PPV		
Equipment	**Single-Family Residences 15 Feet**	**Church 30 Feet**	**Single-Family Residences 75 Feet**
Large Bulldozer	0.156	0.073	0.027
Loaded Truck	0.133	0.062	0.023
Jack Hammer	0.061	0.029	0.011
Small Bulldozer	0.005	0.003	<0.001
Threshold for Building Damage[1]	0.3	0.3	0.3
Thresholds Exceeded?	**No**	**No**	**No**

See Appendix E for vibration analysis worksheets.

[1] Caltrans 2020. See Table 2.

As shown in Table 11, groundborne vibration from typical construction equipment would not exceed the threshold of 0.3 in/sec. PPV for building damage at nearby residential structures. In addition, as a school use, the proposed project would not involve substantial stationary sources of vibration, such as heavy equipment. Therefore, operational vibration impacts would be less than significant.

CEQA Appendix G Noise Threshold 3 For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the proposed project expose people residing or working in the project area to excessive noise levels?

Impact N-5 THE PROPOSED PROJECT IS NOT LOCATED WITHIN ANY AIRPORT NOISE CONTOURS OR NEAR A PRIVATE AIRPORT. THEREFORE, NO IMPACTS RELATING TO AIRPORT NOISE WOULD OCCUR.

Airport Noise Impacts

The airports closest to the site are the Compton/Woodley Airport (located approximately 0.9 mile southeast of the site) and the Hawthorne Municipal Airport (located approximately four miles northwest of the site). While the site would be subject to temporary and intermittent noise from aircraft overflights, the site is not located in either airports' noise contours and would not be affected by substantial noise from aircraft operations (Los Angeles County 2003). In addition, the project site is not near a private airport. Therefore, the project would not expose people residing or working in the project area to excessive noise levels from aircraft noise and no impact would occur.

4 Conclusions and Recommendations

Construction activities would not disturb nearby residences during more sensitive nighttime hours. Nonetheless, construction noise would exceed 75 dBA L_{max} at nearby residential properties with distances less than 125 feet from the center of on-site construction activities. Therefore, the applicant would be required to implement noise-reducing measures during construction of the project to reduce construction noise to a less than significant level. Under N-1, retrofitting mobile equipment with industrial grade silencers or silencers of similar capacity would reduce engine noise by at least 15 dBA. Furthermore, enclosing stationary equipment and the proposed School portion of the site with sound barriers would reduce noise by at least 10 dBA. Manufacturer specifications are included in Appendix C. Project construction would also result in vibration; however, based on the analysis of potential construction-related vibration, vibration levels would be below the identified thresholds for building damage. In addition, the project does not include any substantial vibration sources. Therefore, the project would not expose local vibration sensitive receivers to excessive vibration levels and vibration impacts would be less than significant.

While outdoor noise would exceed 50 dBA at nearby residential properties, implementation of N-2 would require a permanent sound wall between the proposed School portion of the site and adjacent residences to reduce on-site operational noise impacts to a less than significant level. In addition, the project would not generate substantial traffic noise levels from vehicle trips that would result a perceptible noise increase above existing traffic noise. Therefore, off-site operational noise would be less than significant. Furthermore, the project would not expose people residing or working in the project area to excessive noise levels from aircraft noise and the proposed project would be compatible with the existing noise environment as interior noise levels would be consistent with State standards.

This analysis demonstrates that, with implementation of following listed recommended noise-reduction measures, the project would not result in significant noise impacts.

Mitigation Measures

N-1 Construction Noise Reduction

The construction contractor would be required to implement noise-reduction measures during construction, which may include but are not limited to:

- Schedule construction activities to avoid operating several pieces of equipment simultaneously, which can cause high noise levels.
- Retrofit mobile equipment with an industrial grade silencer or silencer of similar capacity.
- Enclose stationary equipment.
- Locate all construction areas for staging and warming up as far as possible from adjacent residential buildings and sensitive receivers.
- Erect temporary noise barriers with a minimum height of 12 feet along the project boundaries. The noise barriers shall be constructed with solid material with a density of at least 1 pound per square foot with no gaps from the ground to the top of the barrier and be lined on the construction side with acoustical blanket, curtain or equivalent absorptive material rated sound transmission class (STC) 32 or higher.

- Comply with Los Angeles County Code Section 12.08.440A, which prohibits the operation of any tools or equipment used in construction, drilling, repair, alteration or demolition work between weekday hours of 7:00 p.m. and 7:00 a.m., or any time on Sundays or holidays such that the sound creates a noise disturbance across a residential or commercial property line.
- Provide a sign at the yard entrance, or other conspicuous location, that includes a 24-hour telephone number for project information, and a procedure where a field engineer/construction manager shall respond to and investigate noise complaints and take corrective action, if necessary, in a timely manner. The sign shall have a minimum dimension of 48 inches wide by 24 inches high and be placed 5 feet above ground level.
- If a noise complaint(s) is registered, the contractor shall retain a County-approved noise consultant to conduct noise measurements at the use(s) that registered the complaint. The noise measurements shall be conducted for a minimum of 1 hour and will include 1-minute intervals. The consultant shall prepare a letter report for code enforcement summarizing the measurements, calculation data used in determining impacts, and potential measures to reduce noise levels to the maximum extent feasible.

N-2 Outdoor Noise Attenuation

The project applicant shall replace the existing chain-link fence with a concrete masonry unit wall, or other wall constructed of solid material, at least six feet in height. Specifically, the wall shall cover 1) the approximately 100-foot, north-south stretch between the project site and the western property line of single-family residences located at 14317 South Cahita Avenue and 14321 South Cahita Avenue, and 2) the approximately 120-foot, east-west stretch between the site and the northern property line of the single-family residence located at 14317 South Cahita Avenue. This wall shall connect to the existing five- to six-foot wall located at the eastern property line to create one seamless solid wall between the project site and adjacent single-family residences. This feature shall be incorporated into project plans to be submitted by the applicant to the County of Los Angeles for review and approval prior to issuance of building permits.

5 References

California Department of Transportation (Caltrans). 2013. Technical Noise Supplement to the Traffic Noise Analysis Protocol. (CT-HWANP-RT-13-069.25.2) https://www.dtsc-ssfl.com/files/lib_ceqa/ref_draft_peir/Chap4_10-Noise/Caltrans_2013a_Tech_Noise_Supplement.pdf (accessed August 2022).

_____. 2020. Transportation and Construction Vibration Guidance Manual CT-HWANP-RT-20-365.01.01. https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/env/tcvgm-apr2020-a11y.pdf (accessed August 2022).

City of Los Angeles. 2011. Palladium Residences Environmental Impact Report. Noise. https://planning.lacity.org/eir/PalladiumResidences/DEIR/DEIR/4.I_Noise.pdf (accessed August 2022).

Crocker, Malcolm J. Crocker (Editor). 2007. *Handbook of Noise and Vibration Control Book*, ISBN: 978-0-471-39599-7, Wiley-VCH, October.

Federal Highway Administration (FHWA). 2006*. FHWA Highway Construction Noise Handbook*. (FHWAHEP-06-015; DOT-VNTSC-FHWA-06-02). https://rosap.ntl.bts.gov/view/dot/8837/dot_8837_DS1.pdf? (accessed August 2022).

_____. 2011. *Highway Traffic Noise: Analysis and Abatement Guidance* (FHWA-HEP-10-025). https://www.fhwa.dot.gov/environment/noise/regulations_and_guidance/analysis_and_abatement_guidance/revguidance.pdf (accessed August 2022).

Federal Transit Administration (FTA). 2018. *Transit Noise and Vibration Impact Assessment Manual.* https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf (accessed August 2022).

Kinsler, Lawrence E. and R. Frey, Austin and B. Coppens, Alan and V. Sanders, James. 1999. Fundamentals of Acoustics, 4th Edition. ISBN 0-471-84789-5. Wiley-VCH, December 1999.

Linscott Law & Greenspan Engineers (LLG). 2022. Transportation Impact Analysis – Green Dot Animo Compton. October 13, 2022. Document.

Los Angeles County. 2003. Airport Land Use Plan. http://planning.lacounty.gov/assets/upl/data/pd_alup.pdf (accessed August 2022).

_____. 2014. General Plan Update. Draft Environmental Impact Report. Appendix L. https://planning.lacounty.gov/assets/upl/project/gp_2035_deir-appendixL.pdf (accessed August 2022).

_____. 2015. General Plan Noise Element. https://planning.lacounty.gov/assets/upl/project/gp_final-general-plan-ch11.pdf (accessed August 2022).

Office of Planning and Research (OPR). 2017. State of California General Plan Guidelines. Appendix D: Noise Element Guidelines. https://opr.ca.gov/docs/OPR_Appendix_D_final.pdf (accessed August 2022).

This page intentionally left blank.

Appendix A

Noise Level Measurement Data

- Freq Weight : A
- Time Weight : SLOW
- Level Range : 40-100
- Max dB : 76.0 - 2021/06/24 17:01:16
- Level Range : 40-100
- SEL : 95.8
- Leq : 66.3
-

No.s	Date Time	(dB)
1	2021/06/24 16:46:18	65.6
2	2021/06/24 16:46:21	60.4
3	2021/06/24 16:46:24	57.0
4	2021/06/24 16:46:27	55.4
5	2021/06/24 16:46:30	54.4
6	2021/06/24 16:46:33	55.7
7	2021/06/24 16:46:36	55.1
8	2021/06/24 16:46:39	55.5
9	2021/06/24 16:46:42	63.2
10	2021/06/24 16:46:45	66.5
11	2021/06/24 16:46:48	67.0
12	2021/06/24 16:46:51	67.7
13	2021/06/24 16:46:54	70.6
14	2021/06/24 16:46:57	70.9
15	2021/06/24 16:47:00	67.4
16	2021/06/24 16:47:03	64.9
17	2021/06/24 16:47:06	63.7
18	2021/06/24 16:47:09	60.5
19	2021/06/24 16:47:12	65.8
20	2021/06/24 16:47:15	69.6
21	2021/06/24 16:47:18	65.1
22	2021/06/24 16:47:21	68.8
23	2021/06/24 16:47:24	61.0
24	2021/06/24 16:47:27	57.8
25	2021/06/24 16:47:30	55.3
26	2021/06/24 16:47:33	56.4
27	2021/06/24 16:47:36	57.1
28	2021/06/24 16:47:39	60.8
29	2021/06/24 16:47:42	66.3
30	2021/06/24 16:47:45	66.6
31	2021/06/24 16:47:48	64.2
32	2021/06/24 16:47:51	58.9
33	2021/06/24 16:47:54	63.6
34	2021/06/24 16:47:57	68.7
35	2021/06/24 16:48:00	63.4
36	2021/06/24 16:48:03	62.8
37	2021/06/24 16:48:06	61.7
38	2021/06/24 16:48:09	66.3
39	2021/06/24 16:48:12	66.1
40	2021/06/24 16:48:15	66.1
41	2021/06/24 16:48:18	67.9
42	2021/06/24 16:48:21	69.7
43	2021/06/24 16:48:24	71.6
44	2021/06/24 16:48:27	69.2
45	2021/06/24 16:48:30	66.6
46	2021/06/24 16:48:33	66.6
47	2021/06/24 16:48:36	67.6
48	2021/06/24 16:48:39	69.1
49	2021/06/24 16:48:42	69.0
50	2021/06/24 16:48:45	68.4
51	2021/06/24 16:48:48	68.0
52	2021/06/24 16:48:51	67.5
53	2021/06/24 16:48:54	66.0
54	2021/06/24 16:48:57	66.5
55	2021/06/24 16:49:00	65.7
56	2021/06/24 16:49:03	66.4
57	2021/06/24 16:49:06	67.2
58	2021/06/24 16:49:09	67.2
59	2021/06/24 16:49:12	67.4
60	2021/06/24 16:49:15	66.4
61	2021/06/24 16:49:18	65.8
62	2021/06/24 16:49:21	63.7
63	2021/06/24 16:49:24	61.8
64	2021/06/24 16:49:27	59.6
65	2021/06/24 16:49:30	60.2
66	2021/06/24 16:49:33	61.0
67	2021/06/24 16:49:36	64.4
68	2021/06/24 16:49:39	59.1
69	2021/06/24 16:49:42	55.2
70	2021/06/24 16:49:45	56.5
71	2021/06/24 16:49:48	56.4
72	2021/06/24 16:49:51	58.3
73	2021/06/24 16:49:54	62.3
74	2021/06/24 16:49:57	65.3
75	2021/06/24 16:50:00	65.2
76	2021/06/24 16:50:03	69.2
77	2021/06/24 16:50:06	67.1
78	2021/06/24 16:50:09	65.6
79	2021/06/24 16:50:12	62.7
80	2021/06/24 16:50:15	63.7
81	2021/06/24 16:50:18	65.0
82	2021/06/24 16:50:21	65.3
83	2021/06/24 16:50:24	64.9
84	2021/06/24 16:50:27	67.5
85	2021/06/24 16:50:30	69.3

86	2021/06/24	16:50:33	65.6
87	2021/06/24	16:50:36	63.8
88	2021/06/24	16:50:39	64.6
89	2021/06/24	16:50:42	64.5
90	2021/06/24	16:50:45	64.5
91	2021/06/24	16:50:48	61.1
92	2021/06/24	16:50:51	60.9
93	2021/06/24	16:50:54	64.3
94	2021/06/24	16:50:57	67.5
95	2021/06/24	16:51:00	67.7
96	2021/06/24	16:51:03	66.4
97	2021/06/24	16:51:06	66.8
98	2021/06/24	16:51:09	68.0
99	2021/06/24	16:51:12	67.9
100	2021/06/24	16:51:15	68.7
101	2021/06/24	16:51:18	69.5
102	2021/06/24	16:51:21	68.0
103	2021/06/24	16:51:24	66.8
104	2021/06/24	16:51:27	69.3
105	2021/06/24	16:51:30	68.4
106	2021/06/24	16:51:33	66.5
107	2021/06/24	16:51:36	67.8
108	2021/06/24	16:51:39	66.1
109	2021/06/24	16:51:42	65.7
110	2021/06/24	16:51:45	66.2
111	2021/06/24	16:51:48	65.4
112	2021/06/24	16:51:51	67.7
113	2021/06/24	16:51:54	68.5
114	2021/06/24	16:51:57	67.2
115	2021/06/24	16:52:00	64.3
116	2021/06/24	16:52:03	58.4
117	2021/06/24	16:52:06	55.7
118	2021/06/24	16:52:09	55.3
119	2021/06/24	16:52:12	56.6
120	2021/06/24	16:52:15	58.6
121	2021/06/24	16:52:18	58.0
122	2021/06/24	16:52:21	64.4
123	2021/06/24	16:52:24	69.4
124	2021/06/24	16:52:27	69.7
125	2021/06/24	16:52:30	66.2
126	2021/06/24	16:52:33	65.7
127	2021/06/24	16:52:36	66.0
128	2021/06/24	16:52:39	66.6
129	2021/06/24	16:52:42	67.4
130	2021/06/24	16:52:45	65.8
131	2021/06/24	16:52:48	64.3
132	2021/06/24	16:52:51	65.7
133	2021/06/24	16:52:54	67.8
134	2021/06/24	16:52:57	66.5
135	2021/06/24	16:53:00	66.0
136	2021/06/24	16:53:03	70.4
137	2021/06/24	16:53:06	72.0
138	2021/06/24	16:53:09	72.6
139	2021/06/24	16:53:12	68.9
140	2021/06/24	16:53:15	68.3
141	2021/06/24	16:53:18	69.4
142	2021/06/24	16:53:21	73.7
143	2021/06/24	16:53:24	72.4
144	2021/06/24	16:53:27	70.0
145	2021/06/24	16:53:30	72.1
146	2021/06/24	16:53:33	68.1
147	2021/06/24	16:53:36	68.1
148	2021/06/24	16:53:39	65.9
149	2021/06/24	16:53:42	66.7
150	2021/06/24	16:53:45	66.8
151	2021/06/24	16:53:48	64.5
152	2021/06/24	16:53:51	60.1
153	2021/06/24	16:53:54	57.7
154	2021/06/24	16:53:57	57.3
155	2021/06/24	16:54:00	58.2
156	2021/06/24	16:54:03	62.8
157	2021/06/24	16:54:06	60.3
158	2021/06/24	16:54:09	61.5
159	2021/06/24	16:54:12	64.2
160	2021/06/24	16:54:15	66.6
161	2021/06/24	16:54:18	67.3
162	2021/06/24	16:54:21	70.2
163	2021/06/24	16:54:24	69.1
164	2021/06/24	16:54:27	70.9
165	2021/06/24	16:54:30	70.5
166	2021/06/24	16:54:33	69.2
167	2021/06/24	16:54:36	66.6
168	2021/06/24	16:54:39	66.3
169	2021/06/24	16:54:42	63.1
170	2021/06/24	16:54:45	58.8
171	2021/06/24	16:54:48	58.0
172	2021/06/24	16:54:51	60.2
173	2021/06/24	16:54:54	60.4
174	2021/06/24	16:54:57	62.8
175	2021/06/24	16:55:00	60.0
176	2021/06/24	16:55:03	55.3
177	2021/06/24	16:55:06	54.9
178	2021/06/24	16:55:09	55.4
179	2021/06/24	16:55:12	58.4
180	2021/06/24	16:55:15	62.5
181	2021/06/24	16:55:18	66.2
182	2021/06/24	16:55:21	62.2
183	2021/06/24	16:55:24	59.2
184	2021/06/24	16:55:27	57.5

185	2021/06/24	16:55:30	56.7
186	2021/06/24	16:55:33	56.7
187	2021/06/24	16:55:36	59.1
188	2021/06/24	16:55:39	59.7
189	2021/06/24	16:55:42	60.1
190	2021/06/24	16:55:45	60.5
191	2021/06/24	16:55:48	63.2
192	2021/06/24	16:55:51	60.2
193	2021/06/24	16:55:54	60.0
194	2021/06/24	16:55:57	64.6
195	2021/06/24	16:56:00	60.8
196	2021/06/24	16:56:03	63.1
197	2021/06/24	16:56:06	66.5
198	2021/06/24	16:56:09	66.0
199	2021/06/24	16:56:12	68.5
200	2021/06/24	16:56:15	69.7
201	2021/06/24	16:56:18	68.7
202	2021/06/24	16:56:21	68.3
203	2021/06/24	16:56:24	67.9
204	2021/06/24	16:56:27	68.0
205	2021/06/24	16:56:30	67.7
206	2021/06/24	16:56:33	67.7
207	2021/06/24	16:56:36	68.3
208	2021/06/24	16:56:39	69.1
209	2021/06/24	16:56:42	66.8
210	2021/06/24	16:56:45	64.0
211	2021/06/24	16:56:48	65.9
212	2021/06/24	16:56:51	60.6
213	2021/06/24	16:56:54	58.0
214	2021/06/24	16:56:57	58.5
215	2021/06/24	16:57:00	63.0
216	2021/06/24	16:57:03	63.8
217	2021/06/24	16:57:06	63.6
218	2021/06/24	16:57:09	64.7
219	2021/06/24	16:57:12	64.2
220	2021/06/24	16:57:15	60.3
221	2021/06/24	16:57:18	61.5
222	2021/06/24	16:57:21	67.3
223	2021/06/24	16:57:24	66.1
224	2021/06/24	16:57:27	67.0
225	2021/06/24	16:57:30	65.6
226	2021/06/24	16:57:33	65.4
227	2021/06/24	16:57:36	67.0
228	2021/06/24	16:57:39	67.6
229	2021/06/24	16:57:42	67.6
230	2021/06/24	16:57:45	71.1
231	2021/06/24	16:57:48	69.6
232	2021/06/24	16:57:51	66.5
233	2021/06/24	16:57:54	65.7
234	2021/06/24	16:57:57	63.2
235	2021/06/24	16:58:00	60.8
236	2021/06/24	16:58:03	62.0
237	2021/06/24	16:58:06	63.2
238	2021/06/24	16:58:09	61.6
239	2021/06/24	16:58:12	58.0
240	2021/06/24	16:58:15	56.9
241	2021/06/24	16:58:18	58.1
242	2021/06/24	16:58:21	62.5
243	2021/06/24	16:58:24	66.0
244	2021/06/24	16:58:27	65.9
245	2021/06/24	16:58:30	61.4
246	2021/06/24	16:58:33	58.9
247	2021/06/24	16:58:36	61.5
248	2021/06/24	16:58:39	67.0
249	2021/06/24	16:58:42	67.5
250	2021/06/24	16:58:45	67.0
251	2021/06/24	16:58:48	68.1
252	2021/06/24	16:58:51	67.5
253	2021/06/24	16:58:54	66.5
254	2021/06/24	16:58:57	67.6
255	2021/06/24	16:59:00	67.6
256	2021/06/24	16:59:03	68.4
257	2021/06/24	16:59:06	67.2
258	2021/06/24	16:59:09	68.6
259	2021/06/24	16:59:12	66.7
260	2021/06/24	16:59:15	67.0
261	2021/06/24	16:59:18	66.8
262	2021/06/24	16:59:21	64.8
263	2021/06/24	16:59:24	65.7
264	2021/06/24	16:59:27	68.4
265	2021/06/24	16:59:30	68.7
266	2021/06/24	16:59:33	71.6
267	2021/06/24	16:59:36	68.9
268	2021/06/24	16:59:39	65.6
269	2021/06/24	16:59:42	66.4
270	2021/06/24	16:59:45	67.6
271	2021/06/24	16:59:48	65.7
272	2021/06/24	16:59:51	66.4
273	2021/06/24	16:59:54	65.6
274	2021/06/24	16:59:57	64.7
275	2021/06/24	17:00:00	62.1
276	2021/06/24	17:00:03	62.8
277	2021/06/24	17:00:06	67.6
278	2021/06/24	17:00:09	63.7
279	2021/06/24	17:00:12	66.7
280	2021/06/24	17:00:15	65.4
281	2021/06/24	17:00:18	67.4
282	2021/06/24	17:00:21	68.6
283	2021/06/24	17:00:24	69.3

284	2021/06/24	17:00:27	65.3
285	2021/06/24	17:00:30	64.6
286	2021/06/24	17:00:33	65.0
287	2021/06/24	17:00:36	63.8
288	2021/06/24	17:00:39	63.0
289	2021/06/24	17:00:42	66.9
290	2021/06/24	17:00:45	66.0
291	2021/06/24	17:00:48	62.6
292	2021/06/24	17:00:51	63.8
293	2021/06/24	17:00:54	61.5
294	2021/06/24	17:00:57	63.3
295	2021/06/24	17:01:00	61.9
296	2021/06/24	17:01:03	64.2
297	2021/06/24	17:01:06	74.3
298	2021/06/24	17:01:09	69.6
299	2021/06/24	17:01:12	71.3
300	2021/06/24	17:01:15	71.7

- Freq Weight : A
- Time Weight : SLOW
- Level Range : 40-100
- Max dB : 71.8 - 2021/06/24 17:12:41
- Level Range : 40-100
- SEL : 86.5
- Leq : 57.0
-

No.s	Date Time	(dB)
1	2021/06/24 17:04:06	53.1
2	2021/06/24 17:04:09	53.8
3	2021/06/24 17:04:12	54.6
4	2021/06/24 17:04:15	57.8
5	2021/06/24 17:04:18	52.8
6	2021/06/24 17:04:21	51.9
7	2021/06/24 17:04:24	52.4
8	2021/06/24 17:04:27	53.3
9	2021/06/24 17:04:30	53.4
10	2021/06/24 17:04:33	58.2
11	2021/06/24 17:04:36	61.9
12	2021/06/24 17:04:39	66.9
13	2021/06/24 17:04:42	63.3
14	2021/06/24 17:04:45	60.0
15	2021/06/24 17:04:48	58.3
16	2021/06/24 17:04:51	56.7
17	2021/06/24 17:04:54	56.9
18	2021/06/24 17:04:57	54.9
19	2021/06/24 17:05:00	55.7
20	2021/06/24 17:05:03	55.7
21	2021/06/24 17:05:06	55.3
22	2021/06/24 17:05:09	56.3
23	2021/06/24 17:05:12	58.1
24	2021/06/24 17:05:15	57.6
25	2021/06/24 17:05:18	57.5
26	2021/06/24 17:05:21	55.6
27	2021/06/24 17:05:24	56.3
28	2021/06/24 17:05:27	55.9
29	2021/06/24 17:05:30	56.5
30	2021/06/24 17:05:33	54.2
31	2021/06/24 17:05:36	54.1
32	2021/06/24 17:05:39	55.1
33	2021/06/24 17:05:42	65.1
34	2021/06/24 17:05:45	69.0
35	2021/06/24 17:05:48	60.4
36	2021/06/24 17:05:51	55.6
37	2021/06/24 17:05:54	57.9
38	2021/06/24 17:05:57	58.8
39	2021/06/24 17:06:00	57.6
40	2021/06/24 17:06:03	56.3
41	2021/06/24 17:06:06	56.6
42	2021/06/24 17:06:09	52.4
43	2021/06/24 17:06:12	55.6
44	2021/06/24 17:06:15	52.8
45	2021/06/24 17:06:18	53.6
46	2021/06/24 17:06:21	51.9
47	2021/06/24 17:06:24	52.0
48	2021/06/24 17:06:27	54.6
49	2021/06/24 17:06:30	59.5
50	2021/06/24 17:06:33	54.6
51	2021/06/24 17:06:36	55.2
52	2021/06/24 17:06:39	55.5
53	2021/06/24 17:06:42	53.5
54	2021/06/24 17:06:45	53.3
55	2021/06/24 17:06:48	54.2
56	2021/06/24 17:06:51	53.3
57	2021/06/24 17:06:54	53.6
58	2021/06/24 17:06:57	51.8
59	2021/06/24 17:07:00	51.8
60	2021/06/24 17:07:03	52.9
61	2021/06/24 17:07:06	54.6
62	2021/06/24 17:07:09	53.9
63	2021/06/24 17:07:12	53.9
64	2021/06/24 17:07:15	53.7
65	2021/06/24 17:07:18	55.6
66	2021/06/24 17:07:21	53.2
67	2021/06/24 17:07:24	52.3
68	2021/06/24 17:07:27	50.6
69	2021/06/24 17:07:30	50.8
70	2021/06/24 17:07:33	49.7
71	2021/06/24 17:07:36	50.2
72	2021/06/24 17:07:39	52.4
73	2021/06/24 17:07:42	52.3
74	2021/06/24 17:07:45	51.5
75	2021/06/24 17:07:48	52.2
76	2021/06/24 17:07:51	50.5
77	2021/06/24 17:07:54	51.7
78	2021/06/24 17:07:57	50.8
79	2021/06/24 17:08:00	53.1
80	2021/06/24 17:08:03	53.5
81	2021/06/24 17:08:06	54.9
82	2021/06/24 17:08:09	56.0
83	2021/06/24 17:08:12	56.7
84	2021/06/24 17:08:15	57.0
85	2021/06/24 17:08:18	56.0

86	2021/06/24	17:08:21	55.8
87	2021/06/24	17:08:24	57.6
88	2021/06/24	17:08:27	62.5
89	2021/06/24	17:08:30	57.8
90	2021/06/24	17:08:33	57.3
91	2021/06/24	17:08:36	57.2
92	2021/06/24	17:08:39	55.6
93	2021/06/24	17:08:42	54.4
94	2021/06/24	17:08:45	54.3
95	2021/06/24	17:08:48	52.9
96	2021/06/24	17:08:51	51.3
97	2021/06/24	17:08:54	50.9
98	2021/06/24	17:08:57	50.9
99	2021/06/24	17:09:00	55.3
100	2021/06/24	17:09:03	54.4
101	2021/06/24	17:09:06	53.0
102	2021/06/24	17:09:09	54.0
103	2021/06/24	17:09:12	56.1
104	2021/06/24	17:09:15	54.7
105	2021/06/24	17:09:18	61.3
106	2021/06/24	17:09:21	60.0
107	2021/06/24	17:09:24	57.2
108	2021/06/24	17:09:27	56.8
109	2021/06/24	17:09:30	55.2
110	2021/06/24	17:09:33	54.0
111	2021/06/24	17:09:36	54.8
112	2021/06/24	17:09:39	55.2
113	2021/06/24	17:09:42	54.7
114	2021/06/24	17:09:45	55.1
115	2021/06/24	17:09:48	56.2
116	2021/06/24	17:09:51	56.3
117	2021/06/24	17:09:54	55.5
118	2021/06/24	17:09:57	55.7
119	2021/06/24	17:10:00	55.8
120	2021/06/24	17:10:03	56.1
121	2021/06/24	17:10:06	54.5
122	2021/06/24	17:10:09	54.0
123	2021/06/24	17:10:12	53.9
124	2021/06/24	17:10:15	53.2
125	2021/06/24	17:10:18	54.8
126	2021/06/24	17:10:21	54.7
127	2021/06/24	17:10:24	56.5
128	2021/06/24	17:10:27	55.4
129	2021/06/24	17:10:30	52.8
130	2021/06/24	17:10:33	52.9
131	2021/06/24	17:10:36	50.7
132	2021/06/24	17:10:39	49.0
133	2021/06/24	17:10:42	49.1
134	2021/06/24	17:10:45	48.9
135	2021/06/24	17:10:48	49.1
136	2021/06/24	17:10:51	50.4
137	2021/06/24	17:10:54	50.2
138	2021/06/24	17:10:57	50.7
139	2021/06/24	17:11:00	50.7
140	2021/06/24	17:11:03	51.3
141	2021/06/24	17:11:06	51.7
142	2021/06/24	17:11:09	51.6
143	2021/06/24	17:11:12	56.6
144	2021/06/24	17:11:15	54.9
145	2021/06/24	17:11:18	51.7
146	2021/06/24	17:11:21	52.6
147	2021/06/24	17:11:24	52.9
148	2021/06/24	17:11:27	51.4
149	2021/06/24	17:11:30	50.6
150	2021/06/24	17:11:33	51.1
151	2021/06/24	17:11:36	50.4
152	2021/06/24	17:11:39	51.0
153	2021/06/24	17:11:42	51.2
154	2021/06/24	17:11:45	51.3
155	2021/06/24	17:11:48	53.5
156	2021/06/24	17:11:51	52.7
157	2021/06/24	17:11:54	51.7
158	2021/06/24	17:11:57	52.6
159	2021/06/24	17:12:00	55.2
160	2021/06/24	17:12:03	54.1
161	2021/06/24	17:12:06	54.4
162	2021/06/24	17:12:09	55.8
163	2021/06/24	17:12:12	54.7
164	2021/06/24	17:12:15	56.0
165	2021/06/24	17:12:18	56.2
166	2021/06/24	17:12:21	57.4
167	2021/06/24	17:12:24	56.8
168	2021/06/24	17:12:27	56.3
169	2021/06/24	17:12:30	56.7
170	2021/06/24	17:12:33	57.7
171	2021/06/24	17:12:36	55.5
172	2021/06/24	17:12:39	68.9
173	2021/06/24	17:12:42	58.8
174	2021/06/24	17:12:45	56.2
175	2021/06/24	17:12:48	54.7
176	2021/06/24	17:12:51	58.1
177	2021/06/24	17:12:54	54.2
178	2021/06/24	17:12:57	55.6
179	2021/06/24	17:13:00	56.3
180	2021/06/24	17:13:03	54.3
181	2021/06/24	17:13:06	54.1
182	2021/06/24	17:13:09	54.2
183	2021/06/24	17:13:12	54.4
184	2021/06/24	17:13:15	51.5

185	2021/06/24	17:13:18	52.4
186	2021/06/24	17:13:21	52.3
187	2021/06/24	17:13:24	50.9
188	2021/06/24	17:13:27	49.9
189	2021/06/24	17:13:30	50.9
190	2021/06/24	17:13:33	50.5
191	2021/06/24	17:13:36	53.5
192	2021/06/24	17:13:39	53.7
193	2021/06/24	17:13:42	53.1
194	2021/06/24	17:13:45	55.3
195	2021/06/24	17:13:48	55.7
196	2021/06/24	17:13:51	62.6
197	2021/06/24	17:13:54	58.1
198	2021/06/24	17:13:57	56.4
199	2021/06/24	17:14:00	55.7
200	2021/06/24	17:14:03	55.7
201	2021/06/24	17:14:06	61.5
202	2021/06/24	17:14:09	58.0
203	2021/06/24	17:14:12	56.9
204	2021/06/24	17:14:15	57.7
205	2021/06/24	17:14:18	58.6
206	2021/06/24	17:14:21	57.2
207	2021/06/24	17:14:24	57.5
208	2021/06/24	17:14:27	56.7
209	2021/06/24	17:14:30	57.3
210	2021/06/24	17:14:33	59.1
211	2021/06/24	17:14:36	61.5
212	2021/06/24	17:14:39	59.9
213	2021/06/24	17:14:42	61.5
214	2021/06/24	17:14:45	61.4
215	2021/06/24	17:14:48	64.2
216	2021/06/24	17:14:51	62.2
217	2021/06/24	17:14:54	59.3
218	2021/06/24	17:14:57	59.2
219	2021/06/24	17:15:00	63.8
220	2021/06/24	17:15:03	66.4
221	2021/06/24	17:15:06	61.9
222	2021/06/24	17:15:09	56.9
223	2021/06/24	17:15:12	68.6
224	2021/06/24	17:15:15	61.1
225	2021/06/24	17:15:18	61.0
226	2021/06/24	17:15:21	57.4
227	2021/06/24	17:15:24	61.4
228	2021/06/24	17:15:27	60.1
229	2021/06/24	17:15:30	59.1
230	2021/06/24	17:15:33	58.9
231	2021/06/24	17:15:36	58.7
232	2021/06/24	17:15:39	60.1
233	2021/06/24	17:15:42	55.9
234	2021/06/24	17:15:45	53.7
235	2021/06/24	17:15:48	54.9
236	2021/06/24	17:15:51	54.7
237	2021/06/24	17:15:54	51.6
238	2021/06/24	17:15:57	57.6
239	2021/06/24	17:16:00	56.0
240	2021/06/24	17:16:03	51.8
241	2021/06/24	17:16:06	52.5
242	2021/06/24	17:16:09	53.0
243	2021/06/24	17:16:12	52.1
244	2021/06/24	17:16:15	59.0
245	2021/06/24	17:16:18	54.0
246	2021/06/24	17:16:21	51.0
247	2021/06/24	17:16:24	52.5
248	2021/06/24	17:16:27	54.7
249	2021/06/24	17:16:30	57.0
250	2021/06/24	17:16:33	57.8
251	2021/06/24	17:16:36	58.2
252	2021/06/24	17:16:39	57.3
253	2021/06/24	17:16:42	56.3
254	2021/06/24	17:16:45	57.1
255	2021/06/24	17:16:48	58.0
256	2021/06/24	17:16:51	56.6
257	2021/06/24	17:16:54	55.5
258	2021/06/24	17:16:57	54.6
259	2021/06/24	17:17:00	54.0
260	2021/06/24	17:17:03	51.4
261	2021/06/24	17:17:06	50.9
262	2021/06/24	17:17:09	52.6
263	2021/06/24	17:17:12	51.6
264	2021/06/24	17:17:15	53.1
265	2021/06/24	17:17:18	53.3
266	2021/06/24	17:17:21	55.1
267	2021/06/24	17:17:24	55.0
268	2021/06/24	17:17:27	53.9
269	2021/06/24	17:17:30	53.7
270	2021/06/24	17:17:33	55.8
271	2021/06/24	17:17:36	53.0
272	2021/06/24	17:17:39	53.1
273	2021/06/24	17:17:42	54.9
274	2021/06/24	17:17:45	53.4
275	2021/06/24	17:17:48	53.5
276	2021/06/24	17:17:51	55.0
277	2021/06/24	17:17:54	57.5
278	2021/06/24	17:17:57	55.0
279	2021/06/24	17:18:00	54.8
280	2021/06/24	17:18:03	56.6
281	2021/06/24	17:18:06	53.7
282	2021/06/24	17:18:09	52.2
283	2021/06/24	17:18:12	52.3

284	2021/06/24	17:18:15	51.8
285	2021/06/24	17:18:18	51.5
286	2021/06/24	17:18:21	52.6
287	2021/06/24	17:18:24	52.7
288	2021/06/24	17:18:27	51.3
289	2021/06/24	17:18:30	51.5
290	2021/06/24	17:18:33	51.4
291	2021/06/24	17:18:36	50.5
292	2021/06/24	17:18:39	52.1
293	2021/06/24	17:18:42	57.1
294	2021/06/24	17:18:45	63.6
295	2021/06/24	17:18:48	60.6
296	2021/06/24	17:18:51	56.9
297	2021/06/24	17:18:54	58.5
298	2021/06/24	17:18:57	58.4
299	2021/06/24	17:19:00	56.1
300	2021/06/24	17:19:03	54.9

- Freq Weight : A
- Time Weight : SLOW
- Level Range : 40-100
- Max dB : 71.7 - 2021/06/24 17:34:43
- Level Range : 40-100
- SEL : 82.3
- Leq : 52.8
-

No.s	Date Time	(dB)
1	2021/06/24 17:26:19	54.9
2	2021/06/24 17:26:22	54.1
3	2021/06/24 17:26:25	55.5
4	2021/06/24 17:26:28	51.2
5	2021/06/24 17:26:31	51.1
6	2021/06/24 17:26:34	50.4
7	2021/06/24 17:26:37	49.8
8	2021/06/24 17:26:40	50.8
9	2021/06/24 17:26:43	52.3
10	2021/06/24 17:26:46	50.7
11	2021/06/24 17:26:49	51.9
12	2021/06/24 17:26:52	52.3
13	2021/06/24 17:26:55	56.8
14	2021/06/24 17:26:58	54.5
15	2021/06/24 17:27:01	51.1
16	2021/06/24 17:27:04	51.2
17	2021/06/24 17:27:07	49.6
18	2021/06/24 17:27:10	49.3
19	2021/06/24 17:27:13	49.5
20	2021/06/24 17:27:16	49.8
21	2021/06/24 17:27:19	49.0
22	2021/06/24 17:27:22	48.9
23	2021/06/24 17:27:25	49.7
24	2021/06/24 17:27:28	48.9
25	2021/06/24 17:27:31	49.4
26	2021/06/24 17:27:34	49.2
27	2021/06/24 17:27:37	49.5
28	2021/06/24 17:27:40	49.8
29	2021/06/24 17:27:43	50.4
30	2021/06/24 17:27:46	48.9
31	2021/06/24 17:27:49	49.7
32	2021/06/24 17:27:52	49.0
33	2021/06/24 17:27:55	49.2
34	2021/06/24 17:27:58	49.7
35	2021/06/24 17:28:01	49.9
36	2021/06/24 17:28:04	49.3
37	2021/06/24 17:28:07	49.0
38	2021/06/24 17:28:10	49.1
39	2021/06/24 17:28:13	49.6
40	2021/06/24 17:28:16	48.9
41	2021/06/24 17:28:19	48.7
42	2021/06/24 17:28:22	48.9
43	2021/06/24 17:28:25	49.2
44	2021/06/24 17:28:28	49.6
45	2021/06/24 17:28:31	48.9
46	2021/06/24 17:28:34	48.3
47	2021/06/24 17:28:37	47.9
48	2021/06/24 17:28:40	48.8
49	2021/06/24 17:28:43	50.8
50	2021/06/24 17:28:46	58.0
51	2021/06/24 17:28:49	51.1
52	2021/06/24 17:28:52	48.7
53	2021/06/24 17:28:55	48.7
54	2021/06/24 17:28:58	50.1
55	2021/06/24 17:29:01	49.2
56	2021/06/24 17:29:04	50.7
57	2021/06/24 17:29:07	52.9
58	2021/06/24 17:29:10	55.3
59	2021/06/24 17:29:13	52.2
60	2021/06/24 17:29:16	50.7
61	2021/06/24 17:29:19	50.9
62	2021/06/24 17:29:22	50.3
63	2021/06/24 17:29:25	50.8
64	2021/06/24 17:29:28	50.2
65	2021/06/24 17:29:31	49.6
66	2021/06/24 17:29:34	49.0
67	2021/06/24 17:29:37	48.2
68	2021/06/24 17:29:40	47.8
69	2021/06/24 17:29:43	47.9
70	2021/06/24 17:29:46	54.0
71	2021/06/24 17:29:49	54.4
72	2021/06/24 17:29:52	51.5
73	2021/06/24 17:29:55	49.3
74	2021/06/24 17:29:58	50.4
75	2021/06/24 17:30:01	49.7
76	2021/06/24 17:30:04	51.1
77	2021/06/24 17:30:07	51.8
78	2021/06/24 17:30:10	50.1
79	2021/06/24 17:30:13	50.0
80	2021/06/24 17:30:16	50.7
81	2021/06/24 17:30:19	50.9
82	2021/06/24 17:30:22	51.8
83	2021/06/24 17:30:25	54.6
84	2021/06/24 17:30:28	52.9
85	2021/06/24 17:30:31	54.4

86	2021/06/24	17:30:34	54.8
87	2021/06/24	17:30:37	56.6
88	2021/06/24	17:30:40	53.5
89	2021/06/24	17:30:43	52.4
90	2021/06/24	17:30:46	52.3
91	2021/06/24	17:30:49	51.4
92	2021/06/24	17:30:52	53.1
93	2021/06/24	17:30:55	65.7
94	2021/06/24	17:30:58	58.3
95	2021/06/24	17:31:01	52.0
96	2021/06/24	17:31:04	52.0
97	2021/06/24	17:31:07	53.4
98	2021/06/24	17:31:10	51.2
99	2021/06/24	17:31:13	50.6
100	2021/06/24	17:31:16	50.2
101	2021/06/24	17:31:19	51.6
102	2021/06/24	17:31:22	51.5
103	2021/06/24	17:31:25	52.8
104	2021/06/24	17:31:28	53.6
105	2021/06/24	17:31:31	51.6
106	2021/06/24	17:31:34	51.6
107	2021/06/24	17:31:37	53.0
108	2021/06/24	17:31:40	51.3
109	2021/06/24	17:31:43	53.9
110	2021/06/24	17:31:46	53.9
111	2021/06/24	17:31:49	51.2
112	2021/06/24	17:31:52	49.7
113	2021/06/24	17:31:55	50.2
114	2021/06/24	17:31:58	49.6
115	2021/06/24	17:32:01	50.3
116	2021/06/24	17:32:04	48.5
117	2021/06/24	17:32:07	49.2
118	2021/06/24	17:32:10	48.9
119	2021/06/24	17:32:13	50.4
120	2021/06/24	17:32:16	49.3
121	2021/06/24	17:32:19	49.8
122	2021/06/24	17:32:22	49.5
123	2021/06/24	17:32:25	49.1
124	2021/06/24	17:32:28	48.4
125	2021/06/24	17:32:31	47.3
126	2021/06/24	17:32:34	46.8
127	2021/06/24	17:32:37	47.9
128	2021/06/24	17:32:40	48.0
129	2021/06/24	17:32:43	48.2
130	2021/06/24	17:32:46	49.9
131	2021/06/24	17:32:49	51.5
132	2021/06/24	17:32:52	50.1
133	2021/06/24	17:32:55	50.2
134	2021/06/24	17:32:58	51.8
135	2021/06/24	17:33:01	52.0
136	2021/06/24	17:33:04	50.8
137	2021/06/24	17:33:07	50.8
138	2021/06/24	17:33:10	51.0
139	2021/06/24	17:33:13	52.5
140	2021/06/24	17:33:16	52.6
141	2021/06/24	17:33:19	51.8
142	2021/06/24	17:33:22	51.0
143	2021/06/24	17:33:25	51.5
144	2021/06/24	17:33:28	49.8
145	2021/06/24	17:33:31	48.9
146	2021/06/24	17:33:34	48.7
147	2021/06/24	17:33:37	48.8
148	2021/06/24	17:33:40	48.2
149	2021/06/24	17:33:43	53.6
150	2021/06/24	17:33:46	49.3
151	2021/06/24	17:33:49	48.7
152	2021/06/24	17:33:52	49.5
153	2021/06/24	17:33:55	50.5
154	2021/06/24	17:33:58	54.3
155	2021/06/24	17:34:01	55.1
156	2021/06/24	17:34:04	55.2
157	2021/06/24	17:34:07	53.7
158	2021/06/24	17:34:10	51.7
159	2021/06/24	17:34:13	50.7
160	2021/06/24	17:34:16	51.1
161	2021/06/24	17:34:19	49.7
162	2021/06/24	17:34:22	49.0
163	2021/06/24	17:34:25	52.0
164	2021/06/24	17:34:28	50.4
165	2021/06/24	17:34:31	55.6
166	2021/06/24	17:34:34	51.4
167	2021/06/24	17:34:37	49.8
168	2021/06/24	17:34:40	48.4
169	2021/06/24	17:34:43	62.3
170	2021/06/24	17:34:46	52.6
171	2021/06/24	17:34:49	51.6
172	2021/06/24	17:34:52	51.5
173	2021/06/24	17:34:55	51.7
174	2021/06/24	17:34:58	54.5
175	2021/06/24	17:35:01	51.0
176	2021/06/24	17:35:04	50.0
177	2021/06/24	17:35:07	53.2
178	2021/06/24	17:35:10	48.8
179	2021/06/24	17:35:13	48.1
180	2021/06/24	17:35:16	48.8
181	2021/06/24	17:35:19	48.8
182	2021/06/24	17:35:22	50.2
183	2021/06/24	17:35:25	55.1
184	2021/06/24	17:35:28	53.0

185	2021/06/24	17:35:31	50.1
186	2021/06/24	17:35:34	49.3
187	2021/06/24	17:35:37	51.0
188	2021/06/24	17:35:40	51.7
189	2021/06/24	17:35:43	50.7
190	2021/06/24	17:35:46	50.1
191	2021/06/24	17:35:49	51.0
192	2021/06/24	17:35:52	51.3
193	2021/06/24	17:35:55	50.1
194	2021/06/24	17:35:58	50.6
195	2021/06/24	17:36:01	61.0
196	2021/06/24	17:36:04	56.6
197	2021/06/24	17:36:07	55.2
198	2021/06/24	17:36:10	52.4
199	2021/06/24	17:36:13	50.6
200	2021/06/24	17:36:16	53.0
201	2021/06/24	17:36:19	51.4
202	2021/06/24	17:36:22	49.7
203	2021/06/24	17:36:25	49.9
204	2021/06/24	17:36:28	53.7
205	2021/06/24	17:36:31	53.4
206	2021/06/24	17:36:34	55.3
207	2021/06/24	17:36:37	54.5
208	2021/06/24	17:36:40	50.6
209	2021/06/24	17:36:43	57.1
210	2021/06/24	17:36:46	56.7
211	2021/06/24	17:36:49	51.8
212	2021/06/24	17:36:52	52.6
213	2021/06/24	17:36:55	51.5
214	2021/06/24	17:36:58	51.2
215	2021/06/24	17:37:01	51.7
216	2021/06/24	17:37:04	52.8
217	2021/06/24	17:37:07	51.0
218	2021/06/24	17:37:10	50.5
219	2021/06/24	17:37:13	51.4
220	2021/06/24	17:37:16	50.1
221	2021/06/24	17:37:19	49.2
222	2021/06/24	17:37:22	49.0
223	2021/06/24	17:37:25	53.4
224	2021/06/24	17:37:28	52.4
225	2021/06/24	17:37:31	51.9
226	2021/06/24	17:37:34	49.8
227	2021/06/24	17:37:37	49.3
228	2021/06/24	17:37:40	53.3
229	2021/06/24	17:37:43	51.8
230	2021/06/24	17:37:46	48.2
231	2021/06/24	17:37:49	48.5
232	2021/06/24	17:37:52	48.4
233	2021/06/24	17:37:55	48.4
234	2021/06/24	17:37:58	48.8
235	2021/06/24	17:38:01	53.6
236	2021/06/24	17:38:04	53.7
237	2021/06/24	17:38:07	54.6
238	2021/06/24	17:38:10	53.5
239	2021/06/24	17:38:13	52.4
240	2021/06/24	17:38:16	50.4
241	2021/06/24	17:38:19	56.6
242	2021/06/24	17:38:22	55.3
243	2021/06/24	17:38:25	52.3
244	2021/06/24	17:38:28	49.0
245	2021/06/24	17:38:31	53.8
246	2021/06/24	17:38:34	53.7
247	2021/06/24	17:38:37	50.0
248	2021/06/24	17:38:40	49.7
249	2021/06/24	17:38:43	48.6
250	2021/06/24	17:38:46	48.2
251	2021/06/24	17:38:49	49.2
252	2021/06/24	17:38:52	49.7
253	2021/06/24	17:38:55	49.1
254	2021/06/24	17:38:58	49.2
255	2021/06/24	17:39:01	48.9
256	2021/06/24	17:39:04	48.6
257	2021/06/24	17:39:07	50.5
258	2021/06/24	17:39:10	53.9
259	2021/06/24	17:39:13	52.2
260	2021/06/24	17:39:16	50.0
261	2021/06/24	17:39:19	49.2
262	2021/06/24	17:39:22	47.8
263	2021/06/24	17:39:25	49.9
264	2021/06/24	17:39:28	51.9
265	2021/06/24	17:39:31	53.6
266	2021/06/24	17:39:34	49.4
267	2021/06/24	17:39:37	49.6
268	2021/06/24	17:39:40	49.9
269	2021/06/24	17:39:43	51.3
270	2021/06/24	17:39:46	50.3
271	2021/06/24	17:39:49	49.6
272	2021/06/24	17:39:52	50.7
273	2021/06/24	17:39:55	50.0
274	2021/06/24	17:39:58	51.4
275	2021/06/24	17:40:01	49.5
276	2021/06/24	17:40:04	50.3
277	2021/06/24	17:40:07	50.8
278	2021/06/24	17:40:10	51.0
279	2021/06/24	17:40:13	48.4
280	2021/06/24	17:40:16	48.6
281	2021/06/24	17:40:19	49.4
282	2021/06/24	17:40:22	48.3
283	2021/06/24	17:40:25	48.1

284	2021/06/24	17:40:28	48.7
285	2021/06/24	17:40:31	48.8
286	2021/06/24	17:40:34	49.9
287	2021/06/24	17:40:37	49.4
288	2021/06/24	17:40:40	48.9
289	2021/06/24	17:40:43	48.8
290	2021/06/24	17:40:46	50.0
291	2021/06/24	17:40:49	50.5
292	2021/06/24	17:40:52	61.9
293	2021/06/24	17:40:55	56.4
294	2021/06/24	17:40:58	51.5
295	2021/06/24	17:41:01	48.6
296	2021/06/24	17:41:04	48.0
297	2021/06/24	17:41:07	48.8
298	2021/06/24	17:41:10	48.5
299	2021/06/24	17:41:13	48.2
300	2021/06/24	17:41:16	47.8

- Freq Weight : A
- Time Weight : SLOW
- Level Range : 40-100
- Max dB : 80.6 - 2021/06/24 21:32:14
- Level Range : 40-100
- SEL : 119.3
- Leq : 70.0
-

No.s	Date Time	(dB)
1	2021/06/24 16:37:22	56.4
2	2021/06/24 16:41:22	52.4
3	2021/06/24 16:45:22	52.0
4	2021/06/24 16:49:22	54.9
5	2021/06/24 16:53:22	57.2
6	2021/06/24 16:57:22	59.3
7	2021/06/24 17:01:22	54.9
8	2021/06/24 17:05:22	52.5
9	2021/06/24 17:09:22	50.9
10	2021/06/24 17:13:22	52.1
11	2021/06/24 17:17:22	52.2
12	2021/06/24 17:21:22	60.1
13	2021/06/24 17:25:22	53.0
14	2021/06/24 17:29:22	50.9
15	2021/06/24 17:33:22	48.8
16	2021/06/24 17:37:22	52.6
17	2021/06/24 17:41:22	52.0
18	2021/06/24 17:45:22	57.3
19	2021/06/24 17:49:22	50.5
20	2021/06/24 17:53:22	52.2
21	2021/06/24 17:57:22	48.9
22	2021/06/24 18:01:22	51.4
23	2021/06/24 18:05:22	55.3
24	2021/06/24 18:09:22	49.1
25	2021/06/24 18:13:22	51.9
26	2021/06/24 18:17:22	51.8
27	2021/06/24 18:21:22	49.3
28	2021/06/24 18:25:22	51.3
29	2021/06/24 18:29:22	48.5
30	2021/06/24 18:33:22	48.2
31	2021/06/24 18:37:22	51.9
32	2021/06/24 18:41:22	51.4
33	2021/06/24 18:45:22	55.4
34	2021/06/24 18:49:22	47.3
35	2021/06/24 18:53:22	48.6
36	2021/06/24 18:57:22	47.6
37	2021/06/24 19:01:22	48.0
38	2021/06/24 19:05:22	50.5
39	2021/06/24 19:09:22	47.7
40	2021/06/24 19:13:22	48.0
41	2021/06/24 19:17:22	46.8
42	2021/06/24 19:21:22	49.8
43	2021/06/24 19:25:22	47.1
44	2021/06/24 19:29:22	48.3
45	2021/06/24 19:33:22	48.4
46	2021/06/24 19:37:22	49.2
47	2021/06/24 19:41:22	47.7
48	2021/06/24 19:45:22	48.1
49	2021/06/24 19:49:22	51.8
50	2021/06/24 19:53:22	50.0
51	2021/06/24 19:57:22	51.7
52	2021/06/24 20:01:22	50.0
53	2021/06/24 20:05:22	52.0
54	2021/06/24 20:09:22	60.5
55	2021/06/24 20:13:22	51.2
56	2021/06/24 20:17:22	52.8
57	2021/06/24 20:21:22	47.9
58	2021/06/24 20:25:22	48.8
59	2021/06/24 20:29:22	52.2
60	2021/06/24 20:33:22	49.7
61	2021/06/24 20:37:22	48.8
62	2021/06/24 20:41:22	46.9
63	2021/06/24 20:45:22	47.0
64	2021/06/24 20:49:22	48.2
65	2021/06/24 20:53:22	48.1
66	2021/06/24 20:57:22	48.8
67	2021/06/24 21:01:22	51.2
68	2021/06/24 21:05:22	48.6
69	2021/06/24 21:09:22	51.8
70	2021/06/24 21:13:22	51.8
71	2021/06/24 21:17:22	48.0
72	2021/06/24 21:21:22	48.3
73	2021/06/24 21:25:22	50.0
74	2021/06/24 21:29:22	48.7
75	2021/06/24 21:33:22	47.3
76	2021/06/24 21:37:22	48.1
77	2021/06/24 21:41:22	49.0
78	2021/06/24 21:45:22	46.7
79	2021/06/24 21:49:22	48.9
80	2021/06/24 21:53:22	45.3
81	2021/06/24 21:57:22	47.9
82	2021/06/24 22:01:22	42.9
83	2021/06/24 22:05:22	46.7
84	2021/06/24 22:09:22	54.4
85	2021/06/24 22:13:22	49.6

86	2021/06/24	22:17:22	47.1
87	2021/06/24	22:21:22	46.8
88	2021/06/24	22:25:22	46.2
89	2021/06/24	22:29:22	45.3
90	2021/06/24	22:33:22	53.3
91	2021/06/24	22:37:22	45.0
92	2021/06/24	22:41:22	44.3
93	2021/06/24	22:45:22	47.1
94	2021/06/24	22:49:22	44.7
95	2021/06/24	22:53:22	43.4
96	2021/06/24	22:57:22	45.3
97	2021/06/24	23:01:22	43.8
98	2021/06/24	23:05:22	45.4
99	2021/06/24	23:09:22	46.0
100	2021/06/24	23:13:22	47.8
101	2021/06/24	23:17:22	43.5
102	2021/06/24	23:21:22	45.8
103	2021/06/24	23:25:22	45.2
104	2021/06/24	23:29:22	44.3
105	2021/06/24	23:33:22	41.7
106	2021/06/24	23:37:22	47.5
107	2021/06/24	23:41:22	45.3
108	2021/06/24	23:45:22	45.5
109	2021/06/24	23:49:22	43.6
110	2021/06/24	23:53:22	45.8
111	2021/06/24	23:57:22	43.5
112	2021/06/25	00:01:22	40.1
113	2021/06/25	00:05:22	42.1
114	2021/06/25	00:09:22	44.2
115	2021/06/25	00:13:22	42.8
116	2021/06/25	00:17:22	46.0
117	2021/06/25	00:21:22	44.7
118	2021/06/25	00:25:22	42.3
119	2021/06/25	00:29:22	49.1
120	2021/06/25	00:33:22	43.3
121	2021/06/25	00:37:22	43.4
122	2021/06/25	00:41:22	44.5
123	2021/06/25	00:45:22	47.9
124	2021/06/25	00:49:22	46.5
125	2021/06/25	00:53:22	47.4
126	2021/06/25	00:57:22	42.7
127	2021/06/25	01:01:22	53.8
128	2021/06/25	01:05:22	46.7
129	2021/06/25	01:09:22	41.3
130	2021/06/25	01:13:22	42.0
131	2021/06/25	01:17:22	42.7
132	2021/06/25	01:21:22	44.8
133	2021/06/25	01:25:22	43.6
134	2021/06/25	01:29:22	42.2
135	2021/06/25	01:33:22	44.9
136	2021/06/25	01:37:22	49.5
137	2021/06/25	01:41:22	42.3
138	2021/06/25	01:45:22	42.3
139	2021/06/25	01:49:22	50.0
140	2021/06/25	01:53:22	40.4
141	2021/06/25	01:57:22	39.6
142	2021/06/25	02:01:22	42.8
143	2021/06/25	02:05:22	46.4
144	2021/06/25	02:09:22	42.1
145	2021/06/25	02:13:22	44.2
146	2021/06/25	02:17:22	41.9
147	2021/06/25	02:21:22	40.2
148	2021/06/25	02:25:22	41.6
149	2021/06/25	02:29:22	38.9
150	2021/06/25	02:33:22	40.5
151	2021/06/25	02:37:22	41.0
152	2021/06/25	02:41:22	39.3
153	2021/06/25	02:45:22	39.0
154	2021/06/25	02:49:22	39.5
155	2021/06/25	02:53:22	38.5
156	2021/06/25	02:57:22	44.9
157	2021/06/25	03:01:22	38.6
158	2021/06/25	03:05:22	39.7
159	2021/06/25	03:09:22	38.2
160	2021/06/25	03:13:22	39.1
161	2021/06/25	03:17:22	41.0
162	2021/06/25	03:21:22	42.0
163	2021/06/25	03:25:22	38.6
164	2021/06/25	03:29:22	40.5
165	2021/06/25	03:33:22	40.8
166	2021/06/25	03:37:22	39.4
167	2021/06/25	03:41:22	39.4
168	2021/06/25	03:45:22	46.0
169	2021/06/25	03:49:22	45.3
170	2021/06/25	03:53:22	39.1
171	2021/06/25	03:57:22	39.4
172	2021/06/25	04:01:22	43.3
173	2021/06/25	04:05:22	41.2
174	2021/06/25	04:09:22	41.8
175	2021/06/25	04:13:22	48.1
176	2021/06/25	04:17:22	46.0
177	2021/06/25	04:21:22	48.9
178	2021/06/25	04:25:22	41.8
179	2021/06/25	04:29:22	41.2
180	2021/06/25	04:33:22	47.6
181	2021/06/25	04:37:22	45.0
182	2021/06/25	04:41:22	44.7
183	2021/06/25	04:45:22	41.7
184	2021/06/25	04:49:22	46.1

185	2021/06/25	04:53:22	51.4
186	2021/06/25	04:57:22	51.7
187	2021/06/25	05:01:22	43.7
188	2021/06/25	05:05:22	48.4
189	2021/06/25	05:09:22	46.3
190	2021/06/25	05:13:22	45.2
191	2021/06/25	05:17:22	44.4
192	2021/06/25	05:21:22	51.7
193	2021/06/25	05:25:22	45.9
194	2021/06/25	05:29:22	46.0
195	2021/06/25	05:33:22	48.3
196	2021/06/25	05:37:22	48.8
197	2021/06/25	05:41:22	48.5
198	2021/06/25	05:45:22	45.1
199	2021/06/25	05:49:22	45.4
200	2021/06/25	05:53:22	45.3
201	2021/06/25	05:57:22	49.2
202	2021/06/25	06:01:22	43.4
203	2021/06/25	06:05:22	49.9
204	2021/06/25	06:09:22	50.3
205	2021/06/25	06:13:22	44.3
206	2021/06/25	06:17:22	50.3
207	2021/06/25	06:21:22	44.9
208	2021/06/25	06:25:22	50.0
209	2021/06/25	06:29:22	47.9
210	2021/06/25	06:33:22	50.4
211	2021/06/25	06:37:22	49.0
212	2021/06/25	06:41:22	48.6
213	2021/06/25	06:45:22	50.8
214	2021/06/25	06:49:22	48.5
215	2021/06/25	06:53:22	48.2
216	2021/06/25	06:57:22	45.2
217	2021/06/25	07:01:22	42.2
218	2021/06/25	07:05:22	44.2
219	2021/06/25	07:09:22	46.9
220	2021/06/25	07:13:22	50.7
221	2021/06/25	07:17:22	47.4
222	2021/06/25	07:21:22	46.2
223	2021/06/25	07:25:22	46.2
224	2021/06/25	07:29:22	46.7
225	2021/06/25	07:33:22	46.6
226	2021/06/25	07:37:22	49.3
227	2021/06/25	07:41:22	50.9
228	2021/06/25	07:45:22	48.2
229	2021/06/25	07:49:22	47.7
230	2021/06/25	07:53:22	48.3
231	2021/06/25	07:57:22	46.4
232	2021/06/25	08:01:22	45.1
233	2021/06/25	08:05:22	50.2
234	2021/06/25	08:09:22	47.2
235	2021/06/25	08:13:22	45.7
236	2021/06/25	08:17:22	45.9
237	2021/06/25	08:21:22	47.9
238	2021/06/25	08:25:22	46.8
239	2021/06/25	08:29:22	49.5
240	2021/06/25	08:33:22	45.9
241	2021/06/25	08:37:22	47.4
242	2021/06/25	08:41:22	46.0
243	2021/06/25	08:45:22	43.8
244	2021/06/25	08:49:22	41.5
245	2021/06/25	08:53:22	47.0
246	2021/06/25	08:57:22	56.1
247	2021/06/25	09:01:22	56.9
248	2021/06/25	09:05:22	47.5
249	2021/06/25	09:09:22	57.6
250	2021/06/25	09:13:22	56.0
251	2021/06/25	09:17:22	53.1
252	2021/06/25	09:21:22	55.4
253	2021/06/25	09:25:22	46.5
254	2021/06/25	09:29:22	63.1
255	2021/06/25	09:33:22	48.8
256	2021/06/25	09:37:22	69.7
257	2021/06/25	09:41:22	55.2
258	2021/06/25	09:45:22	50.6
259	2021/06/25	09:49:22	48.0
260	2021/06/25	09:53:22	51.3
261	2021/06/25	09:57:22	55.5
262	2021/06/25	10:01:22	50.5
263	2021/06/25	10:05:22	53.1
264	2021/06/25	10:09:22	49.9
265	2021/06/25	10:13:22	44.0
266	2021/06/25	10:17:22	45.7
267	2021/06/25	10:21:22	44.2
268	2021/06/25	10:25:22	48.7
269	2021/06/25	10:29:22	59.9
270	2021/06/25	10:33:22	59.7
271	2021/06/25	10:37:22	55.5
272	2021/06/25	10:41:22	47.6
273	2021/06/25	10:45:22	47.3
274	2021/06/25	10:49:22	46.5
275	2021/06/25	10:53:22	47.9
276	2021/06/25	10:57:22	57.2
277	2021/06/25	11:01:22	44.3
278	2021/06/25	11:05:22	47.0
279	2021/06/25	11:09:22	51.1
280	2021/06/25	11:13:22	48.6
281	2021/06/25	11:17:22	48.0
282	2021/06/25	11:21:22	47.9
283	2021/06/25	11:25:22	46.1

284	2021/06/25	11:29:22	49.0
285	2021/06/25	11:33:22	47.9
286	2021/06/25	11:37:22	58.7
287	2021/06/25	11:41:22	50.0
288	2021/06/25	11:45:22	48.6
289	2021/06/25	11:49:22	45.3
290	2021/06/25	11:53:22	47.5
291	2021/06/25	11:57:22	46.5
292	2021/06/25	12:01:22	46.6
293	2021/06/25	12:05:22	51.3
294	2021/06/25	12:09:22	47.8
295	2021/06/25	12:13:22	50.6
296	2021/06/25	12:17:22	51.8
297	2021/06/25	12:21:22	49.0
298	2021/06/25	12:25:22	51.3
299	2021/06/25	12:29:22	50.7
300	2021/06/25	12:33:22	48.5
301	2021/06/25	12:37:22	50.7
302	2021/06/25	12:41:22	54.4
303	2021/06/25	12:45:22	51.9
304	2021/06/25	12:49:22	47.7
305	2021/06/25	12:53:22	50.6
306	2021/06/25	12:57:22	47.9
307	2021/06/25	13:01:22	49.6
308	2021/06/25	13:05:22	52.3
309	2021/06/25	13:09:22	57.1
310	2021/06/25	13:13:22	49.5
311	2021/06/25	13:17:22	51.7
312	2021/06/25	13:21:22	48.4
313	2021/06/25	13:25:22	48.1
314	2021/06/25	13:29:22	50.4
315	2021/06/25	13:33:22	53.3
316	2021/06/25	13:37:22	49.5
317	2021/06/25	13:41:22	50.2
318	2021/06/25	13:45:22	48.2
319	2021/06/25	13:49:22	50.1
320	2021/06/25	13:53:22	53.4
321	2021/06/25	13:57:22	49.1
322	2021/06/25	14:01:22	51.8
323	2021/06/25	14:05:22	47.3
324	2021/06/25	14:09:22	50.0
325	2021/06/25	14:13:22	51.2
326	2021/06/25	14:17:22	50.6
327	2021/06/25	14:21:22	46.9
328	2021/06/25	14:25:22	49.0
329	2021/06/25	14:29:22	49.0
330	2021/06/25	14:33:22	54.1
331	2021/06/25	14:37:22	49.7
332	2021/06/25	14:41:22	51.1
333	2021/06/25	14:45:22	47.0
334	2021/06/25	14:49:22	49.3
335	2021/06/25	14:53:22	52.4
336	2021/06/25	14:57:22	48.5
337	2021/06/25	15:01:22	50.2
338	2021/06/25	15:05:22	51.8
339	2021/06/25	15:09:22	46.0
340	2021/06/25	15:13:22	51.3
341	2021/06/25	15:17:22	56.7
342	2021/06/25	15:21:22	50.2
343	2021/06/25	15:25:22	47.9
344	2021/06/25	15:29:22	50.8
345	2021/06/25	15:33:22	50.4
346	2021/06/25	15:37:22	48.9
347	2021/06/25	15:41:22	47.6
348	2021/06/25	15:45:22	55.3
349	2021/06/25	15:49:22	48.5
350	2021/06/25	15:53:22	52.3
351	2021/06/25	15:57:22	50.3
352	2021/06/25	16:01:22	49.4
353	2021/06/25	16:05:22	47.3
354	2021/06/25	16:09:22	49.2
355	2021/06/25	16:13:22	49.3
356	2021/06/25	16:17:22	47.6
357	2021/06/25	16:21:22	50.1
358	2021/06/25	16:25:22	47.0
359	2021/06/25	16:29:22	48.2
360	2021/06/25	16:33:22	48.8

Appendix B

Roadway Construction Noise Model Results

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 07/08/2021
Case Description: GreenDot Animo

**** Receptor #1 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Sensitive Receiver	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	25.0	0.0
Excavator	No	40		80.7	25.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Dozer	87.7	83.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	86.7	82.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	87.7	86.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**** Receptor #2 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Sensitive Receiver	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	50.0	0.0
Excavator	No	40		80.7	50.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Dozer	81.7	77.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	80.7	76.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	81.7	80.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**** Receptor #3 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Sensitive Receiver	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	75.0	0.0
Excavator	No	40		80.7	75.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Calculated (dBA)				Day		Evening		Night	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	78.1	74.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	77.2	73.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	78.1	76.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**** Receptor #4 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Sensitive Receiver	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	100.0	0.0
Excavator	No	40		80.7	100.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Calculated (dBA)				Day		Evening		Night	

Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	75.6	71.7	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	N/A
Excavator	74.7	70.7	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	N/A
Total	75.6	74.2	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	N/A

**** Receptor #5 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Sensitive Receiver	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	125.0	0.0
Excavator	No	40		80.7	125.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Calculated (dBA)	Day		Evening		Night											
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	73.7	69.7	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	N/A
Excavator	72.8	68.8	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	N/A
Total	73.7	72.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**** Receptor #6 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Sensitive Receiver	Residential	65.0	65.0	65.0

Description	Impact Device	Usage (%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	150.0	0.0
Excavator	No	40		80.7	150.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Dozer	72.1	68.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	71.2	67.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	72.1	70.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**** Receptor #7 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Sensitive Receiver	Residential	65.0	65.0	65.0

Impact	Usage	Equipment Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding

Description	Device	(%)	(dBA)	(dBA)	(feet)	(dBA)
Dozer	No	40		81.7	15.0	0.0
Excavator	No	40		80.7	15.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Dozer	92.1	88.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	91.2	87.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	92.1	90.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Appendix C

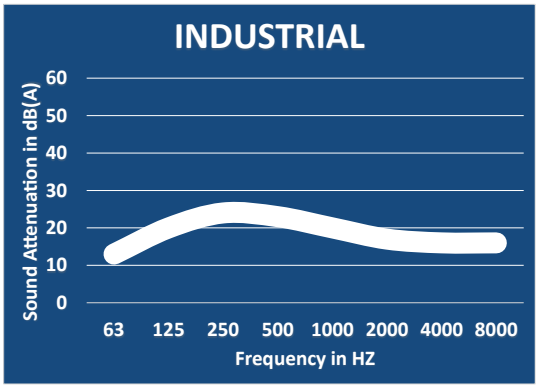
Manufacturers' Specifications

NETT TECHNOLOGIES INC.
www.nettinc.com sales@nettinc.com +1 (905) 672-5453

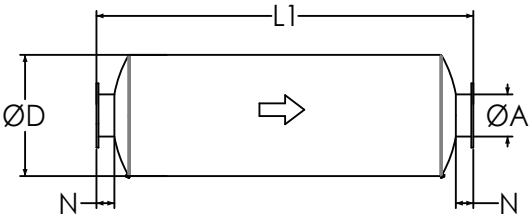
Industrial Grade Silencers

Model NTIN-C (Cylindrical), 15-20 dBA

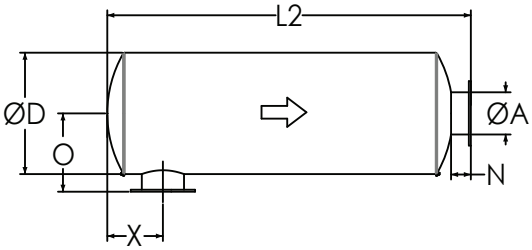
TYPICAL ATTENUATION CURVE



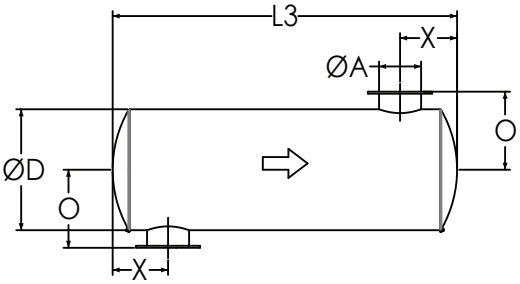
TYPICAL CONFIGURATIONS



END IN END OUT (EI-EO)



SIDE IN END OUT (SI-EO)



SIDE IN SIDE OUT (SI-SO)

Nett Technologies' Industrial Grade Silencers are designed to achieve maximum performance with the least amount of backpressure.
The silencers are Reactive Silencers and are typically used for reciprocating or positive displacement engines where noise level regulations are low.

FEATURES & BENEFITS

- Over 25 years of excellence in manufacturing noise and emission control solutions
- Compact modular designs providing ease of installations, less weight and less foot-print
- Responsive lead time for both standard and custom designs to meet your needs
- Customized engineered systems solutions to meet challenging integration and engine requirements

Contact Nett Technologies with your projects design requirements and specifications for optimized noise control solutions.

OPTIONS

- Versatile connections including ANSI pattern flanges, NPT, slip-on, engine flange, schedule 40 and others
- Aluminized Steel, Stainless Steel 304 or 316 construction
- Horizontal or vertical mounting brackets and lifting lugs

ACCESSORIES

- Hardware Kits
- Flexible connectors and expansion joints
- Elbows
- Thimbles
- Raincaps
- Thermal insulation: integrated or with thermal insulation blankets
- Please see our accessories catalog for a complete listing

PRODUCT DIMENSIONS (in)

Model*	A	D	L1	L2	L3	X**	X	N	O
	Outlet	Dia	EI-EO	SI-EO	SI-SO	Min	Max	Nipple	O
NTIN-C1	1	4	20	18	16	3	7	2	4
NTIN-C1.5	1.5	6	22	20	18	3	8	2	5
NTIN-C2	2	6	22	19	16	3	8	3	6
NTIN-C2.5	2.5	6	24	21	18	4	9	3	6
NTIN-C3	3	8	26	23	20	5	10	3	7
NTIN-C3.5	3.5	9	28	25	22	5	11	3	8
NTIN-C4	4	10	32	29	26	5	12	3	8
NTIN-C5	5	12	36	33	30	6	14	3	9
NTIN-C6	6	14	40	36	32	7	16	4	11
NTIN-C8	8	16	50	46	42	8	21	4	12
NTIN-C10	10	20	52	48	44	11	21	4	14
NTIN-C12	12	24	62	58	54	12	26	4	16
NTIN-C14	14	30	74	69	64	15	31	5	20
NTIN-C16	16	36	82	77	72	18	35	5	23
NTIN-C18	18	40	94	89	84	18	42	5	25
NTIN-C20	20	40	110	105	100	19	52	5	25
NTIN-C22	22	48	118	113	108	22	56	5	29
NTIN-C24	24	48	130	125	120	24	62	5	29

* Other models and custom designs are available upon request. Dimensions subject to change without notice. All silencers are equipped with drain ports on inlet side. The silencer is all welded construction and coated with high heat black paint for maximum durability.

** Standard inlet/outlet position.

Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

123 Columbia Court North • Suite 201 • Chaska, MN 55318

(952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: sales@acousticalsurfaces.com

Visit our Website: www.acousticalsurfaces.com

We Identify and S.T.O.P. Your Noise Problems

Echo Barrier™

The Industry's First Reusable, Indoor/ Outdoor Noise Barrier/Absorber

- Superior acoustic performance
- Industrial durability
- Simple and quick installation system
- Lightweight for easy handling
- Unique roll-up design for compact storage and transportation
- Double or triple up for noise 'hot spots'
- Ability to add branding or messages
- Range of accessories available
- Weatherproof – absorbs sound but not water
- Fire retardant
- 1 person can do the job of 2 or 3 people

Why is it all too often we see construction sites with fencing but no regard for sound issues created from the construction that is taking place? This is due to the fact that there has not been an efficient means of treating this type of noise that was cost effective ***until now.***

Echo Barrier temporary fencing is a reusable, outdoor noise barrier. Designed to fit on all types of temporary fencing. Echo Barrier absorbs sound while remaining quick to install, light to carry and tough to last.

BENEFITS: Echo Barrier can help reduce noise complaints, enhance your company reputation, extend site operating hours, reduce project timescales & costs, and improve working conditions.

APPLICATIONS: Echo Barrier works great for construction & demolition sites; rail maintenance & replacement; music, sports and other public events; road construction; utility/maintenance sites; loading and unloading areas; outdoor gun ranges.

DIMENSIONS: 6.56' × 4.49'.

WEIGHT: 13 lbs.

ACOUSTIC PERFORMANCE: 10-20dB noise reduction (greater if barrier is doubled up).

INSTALLATION: The Echo Barrier is easily installed using our quick hook system and specially designed elastic ties.

Echo Barrier Transmission Loss Field Data							
	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Single Layer	6	12	16	23	28	30	30
Double Layer	7	19	24	28	32	31	32

38HDR
Performance™ Series Air Conditioner with Puron® Refrigerant
1–1/2 to 5 Nominal Tons

Carrier
turn to the experts

Product Data

Puron
the environmentally sound refrigerant

Performance SERIES

Carrier's Air Conditioners with Puron® refrigerant provide a collection of features unmatched by any other family of equipment. The 38HDR has been designed utilizing Carrier's Puron refrigerant. The environmentally sound refrigerant allows you to make a responsible decision in the protection of the earth's ozone layer.

This product has been designed and manufactured to meet Energy Star® criteria for energy efficiency when matched with appropriate coil components. Refer to the combination ratings in the Product Data for system combinations that meet Energy Star® guidelines.

NOTE: Ratings contained in this document are subject to change at any time. Always refer to the AHRI directory (www.ahridirectory.org) for the most up-to-date ratings information.

INDUSTRY LEADING FEATURES / BENEFITS

Energy Efficiency

- 13 - 15 SEER/10.9 - 12.5 EER

Sound

- Levels as low as 68 dBA

Design Features

- New aesthetics
- Small footprint, same as old model and "stackable"
- WeatherArmor™ cabinet
  - — All steel cabinet construction
  - — Baked on powder paint
  - — Mesh coil guard

Reliability, Quality and Toughness

- Scroll compressor
- Crankcase Heater standard on sizes 030-060
- Factory-supplied filter drier
- High pressure switch
- Low pressure switch
- Line lengths up to 250' (76.2 m)
- Low ambient operation (down to -20°F/-28.9°C) with low ambient accessories.

MODEL NUMBER NOMENCLATURE

1	2	3	4	5	6	7	8	9	10	11	12	13
N	N	A	A	A/N	N	N	N	A/N	A/N	A/N	N	N
3	8	H	D	R	0	1	8	A	0	0	3	0
Product Series	HDR = Horizontal Discharge Condensing Unit				Cooling Capacity			Variations	Open	Open	Voltage	Minor Series
38=AC/HP	Major Model				1,000 Btuh Nominal			A=Standard	0=Not Defined	0=Not Defined	3=208/230–1 5=208/230–3 6=460/3	0, 1, 2...

Puron™
the environmentally sound refrigerant

AHRI CERTIFIED™ www.ahridirectory.org

Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program For verification of certification for individual products, go to www.ahridirectory.org.

Certified System™
ISO 9001
QMI-SAI Global

c UL us

energy ENERGY STAR

This product has been designed and manufactured to meet Energy Star® criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow all manufacturing refrigerant charging and air flow instructions. **Failure to confirm proper charge and air flow may reduce energy efficiency and shorten equipment life.**

PHYSICAL DATA

UNIT 38HDR	018	024	030	036	048	060
NOMINAL CAPACITY (Tons)	1.5	2.0	2.50	3.0	4.0	5.0
OPERATING WEIGHT lb (kg)	155 (70.3)	180 (81.6)	200 (90.7)	218 (98.9)	284 (128.8)	294 (133.4)
REFRIGERANT TYPE	R–410A					
METERING DEVICE	TXV					
CHARGE lb (kg)	6.3 (2.86)	6.0 (2.73)	8.7 (3.95)	8.7 (3.95)	11.5 (5.23)	12.0 (5.45)
COMPRESSOR						
Type	Scroll					
Oil Charge (POE – oz)	25.0	25.0	25.0	25.0	42.0	42.0
Crankcase Heater (watts)	—	—	40	40	40	40
OUTDOOR FAN						
Rpm/Cfm	840/1720	840/1720	850/3900	850/3900	850/3900	850/3900
Diameter in. (mm)	18 (457)	18 (457)	24 (610)	24 (610)	24 (610)	24 (610)
No. Blades	3	3	3	3	3	3
Motor hp (w)	1/8 (93)	1/8 (93)	1/4 (187)	1/4 (187)	1/4 (187)	1/4 (187)
OUTDOOR COIL						
Face Area (sq ft)	5.8	7.3	12.1	12.1	14.1	14.1
No. Rows	2	2	2	2	2	2
FPI	20	20	20	20	20	20
HIGH PRESSURE SWITCH						
Cut–In (psig) Cutout (psig)	420 ± 25 650 ± 10	420 ± 25 650 ± 10	420 ± 25 650 ± 10	420 ± 25 650 ± 10	420 ± 25 650 ± 10	420 ± 25 650 ± 10
LOW PRESSURE SWITCH						
Cut–In (psig) Cutout (psig)	45 ± 25 20 ± 5	45 ± 25 20 ± 5	45 ± 25 20 ± 5	45 ± 25 20 ± 5	45 ± 25 20 ± 5	45 ± 25 20 ± 5
REFRIGERANT LINES						
Connection Type	Sweat					
Max. Liquid Line* (in.) OD	3/8	3/8	3/8	3/8	3/8	3/8
Rated Vapor Line† (in.) OD	5/8	5/8	3/4	3/4	7/8	1–1/8**
CONTROLS						
Control Voltage‡	24 vac					
System Voltage	208/230 v	208/230 v	208/230 v	208/230 v, Single and 3 Phase, 460 v, 3 Phase		
FINISH	Gray					

* See *Liquid Line Sizing For Cooling Only Systems with Puron Refrigerant* tables.

† Units are rated with 25 ft (7.6 m) of lineset length. See *Vapor Line Sizing and Cooling Capacity Loss* table when using other sizes and lengths of lineset.

‡ 24 v and a minimum of 40 va is provided in the fan coil unit.

** Vapor connection size is 7/8 inch.

FPI – Fins Per Inch

POE – Polyol Ester

REFRIGERANT PIPING LENGTH LIMITATIONS

Liquid Line Sizing and Maximum Total Equivalent Lengths† for Cooling Only Systems with Puron® Refrigerant:

The maximum allowable length of a residential split system depends on the liquid line diameter and vertical separation between indoor and outdoor units.

See Table below for liquid line sizing and maximum lengths :

Maximum Total Equivalent Length
Outdoor Unit BELOW Indoor Unit

Size	Liquid Line Connection	Liquid Line Diam. w/ TXV	AC with Puron Refrigerant Maximum Total Equivalent Length†: Outdoor unit BELOW Indoor Vertical Separation ft (m)								
			0–5 (0–1.5)	6–10 (1.8–3.0)	11–20 (3.4–6.1)	21–30 (6.4–9.1)	31–40 (9.4–12.2)	41–50 (12.5–15.2)	51–60 (15.5–18.3)	61–70 (18.6–21.3)	71–80 (21.6–24.4)
018 AC with Puron	3/8	1/4	150	150	125	100	100	75	– –	– –	– –
		5/16	250*	250*	250*	250*	250*	250*	250*	225*	150
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
024 AC with Puron	3/8	1/4	75	75	75	50	50	– –	– –	– –	– –
		5/16	250*	250*	250*	250*	250*	225*	175	125	100
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
030 AC with Puron	3/8	1/4	30	– –	– –	– –	– –	– –	– –	– –	– –
		5/16	175	225*	200	175	125	100	75	– –	– –
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
036 AC with Puron	3/8	5/16	175	150	150	100	100	100	75	– –	– –
		3//8	250*	250*	250*	250*	250*	250*	250*	250*	250*
048 AC with Puron	3/8	3/8	250*	250*	250*	250*	250*	250*	230	160	– –
060 AC with Puron	3/8	3/8	250*	250*	250*	225*	190	150	110	– –	– –

*** Maximum actual length not to exceed 200 ft (61 m)**

† Total equivalent length accounts for losses due to elbows or fitting. See the Long Line Guideline for details.

– – = outside acceptable range

Maximum Total Equivalent Length
Outdoor Unit ABOVE Indoor Unit

Size	Liquid Line Connection	Liquid Line Diam. w/ TXV	AC with Puron Refrigerant Maximum Total Equivalent Length†: Outdoor unit ABOVE Indoor Vertical Separation ft (m)							
			25 (7.6)	26–50 (7.9–15.2)	51–75 (15.5–22.9)	76–100 (23.2–30.5)	101–125 (30.8–38.1)	126–150 (38.4–45.7)	151–175 (46.0–53.3)	176–200 (53.6–61.0)
018 AC with Puron	3/8	1/4	175	250*	250*	250*	250*	250*	250*	250*
		5/16	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
024 AC with Puron	3/8	1/4	100	125	175	200	225*	250*	250*	250*
		5/16	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
030 AC with Puron	3/8	1/4	30	– –	– –	– –	– –	– –	– –	– –
		5/16	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
036 AC with Puron	3/8	5/16	225*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
048 AC with Puron	3/8	3/8	250*	250*	250*	250*	250*	250*	250*	250*
060 AC with Puron	3/8	3/8	250*	250*	250*	250*	250*	250*	250*	250*

*** Maximum actual length not to exceed 200 ft (61 m)**

† Total equivalent length accounts for losses due to elbows or fitting. See the Long Line Guideline for details.

– – = outside acceptable range

REFRIGERANT CHARGE ADJUSTMENTS

Liquid Line Size	Puron Charge oz/ft (g/m)
3/8	0.60 (17.74) (Factory charge for lineset = 9 oz / 266.16 g)
5/16	0.40 (11.83)
1/4	0.27 (7.98)

Units are factory charged for 15 ft (4.6 m) of 3/8" liquid line. The factory charge for 3/8" lineset 9 oz (266.16 g). When using other length or diameter liquid lines, charge adjustments are required per the chart above.

Charging Formula:

[(Lineset oz/ft x total length) – (factory charge for lineset)] = charge adjustment

Example 1: System has 15 ft of line set using existing 1/4" liquid line. What charge adjustment is required?

Formula: (.27 oz/ft x 15ft) – (9 oz) = (-4.95) oz.

Net result is to remove 4.95 oz of refrigerant from the system

Example 2: System has 45 ft of existing 5/16" liquid line. What is the charge adjustment?

Formula: (.40 oz/ft. x 45ft) – (9 oz.) = 9 oz.

Net result is to add 9 oz of refrigerant to the system

LONG LINE APPLICATIONS

An application is considered Long Line, when the refrigerant level in the system requires the use of accessories to maintain acceptable refrigerant management for systems reliability. See Accessory Usage Guideline table for required accessories. Defining a system as long line depends on the liquid line diameter, actual length of the tubing, and vertical separation between the indoor and outdoor units.

For Air Conditioner systems, the chart below shows when an application is considered Long Line.

AC WITH PURON® REFRIGERANT LONG LINE DESCRIPTION ft (m)
Beyond these lengths, long line accessories are required

Liquid Line Size	Units On Same Level	Outdoor Below Indoor	Outdoor Above Indoor
1/4	No accessories needed within allowed lengths	No accessories needed within allowed lengths	175 (53.3)
5/16	120 (36.6)	50 (15.2) vertical or 120 (36.6) total	120 (36.6)
3/8	80 (24.4)	35 (10.7) vertical or 80 24.4) total	80 (24.4)

Note: See Long Line Guideline for details

VAPOR LINE SIZING AND COOLING CAPACITY LOSS

Acceptable vapor line diameters provide adequate oil return to the compressor while avoiding excessive capacity loss. The suction line diameters shown in the chart below are acceptable for AC systems with Puron refrigerant:

Vapor Line Sizing and Cooling Capacity Losses — Puron® Refrigerant 1-Stage Air Conditioner Applications

Unit Nominal Size (Btuh)	Maximum Liquid Line Diameters (In. OD)	Vapor Line Diameters (In. OD)	Cooling Capacity Loss (%) Total Equivalent Line Length ft. (m)								
			26–50 (7.9–15.2)	51–80 (15.5–24.4)	81–100 (24.7–30.5)	101–125 (30.8–38.1)	126–150 (38.4–45.7)	151–175 (46.0–53.3)	176–200 (53.6–61.0)	201–225 (61.3–68.6)	226–250 (68.9–76.2)
018 1 Stage AC with Puron	3/8	1/2	1	2	3	5	6	7	8	9	11
		5/8	0	1	1	1	2	2	2	3	3
		3/4	0	0	0	0	1	1	1	1	1
024 1 Stage AC with Puron	3/8	5/8	0	1	2	2	3	3	4	5	5
		3/4	0	0	1	1	1	1	1	2	2
		7/8	0	0	0	0	0	1	1	1	1
030 1 Stage AC with Puron	3/8	5/8	1	2	3	3	4	5	6	7	8
		3/4	0	0	1	1	1	2	2	2	3
		7/8	0	0	0	0	1	1	1	1	1
036 1 Stage AC with Puron	3/8	5/8	1	2	4	5	6	8	9	10	12
		3/4	0	1	1	2	2	3	3	4	4
		7/8	0	0	0	1	1	1	1	2	2
048 1 Stage AC with Puron	3/8	3/4	0	1	2	3	4	5	5	6	7
		7/8	0	0	1	1	2	2	2	3	3
		1 1/8	0	0	0	0	0	0	0	1	1
060 1 Stage AC with Puron	3/8	3/4	1	2	4	5	6	7	9	10	11
		7/8	0	1	2	2	3	4	4	5	5
		1 1/8	0	0	0	1	1	1	1	1	1

Applications in this area may be long line and may have height restrictions. See the *Residential Piping and Long Line Guideline*.

ACCESSORY THERMOSTATS

THERMOSTAT / SUBBASE PKG.	DESCRIPTION
TP–PRH01–A	Programmable Thermidistat
TP–NRH01–A	Non–programmable Thermidistat
TP–PAC01	Performance Series Programmable AC Stat
TP–NAC01	Performance Series Non–programmable AC Stat
TSTATCCSEN01–B	Outdoor Air Temperature Sensor
TSTATXXBBP01	Backplate for Builder's Thermostat
TSTATXXNBP01	Backplate for Non–Programmable Thermostat
TSTATXXPBP01	Backplate for Programmable Thermostat
TSTATXXCNV10	Thermostat Conversion Kit (4 to 5 wires) – 10 Pack

ACCESSORIES

KIT NUMBER	KIT NAME	018	024	030	036	048	060
KAACH1401AAA	Crankcase Heater	X	X				
Standard	Crankcase Heater			S	S	S	S
KAAFT0101AAA	Evaporator Freeze Stat	X	X	X	X	X	X
KAATD0101TDR	Time Delay Relay	X	X	X	X	X	X
KAAWS0101AAA	Winter Start Kit (for low ambient)	X	X	X	X	X	X
53DS–900–––086	Low Ambient Control (Puron)	X	X	X	X	X	X
53DS–900–––070	Wind Baffle	X					
53DS–900–––087	Wind Baffle		X				
53DS–900–––071	Wind Baffle			X	X		
53DS–900–––088	Wind Baffle					X	X
53DS–900–––075	Stacking Kit	X	X				
53DS–900–––076	Stacking Kit			X	X	X	X
53DS–900–––077	Wall Mounting Kit	X	X				
53DS–900–––078	Wall Mounting Kit			X	X	X	X

X = Accessory, S = Standard

ACCESSORY USAGE GUIDELINE

ACCESSORY	REQUIRED FOR LOW–AMBIENT COOLING APPLICATIONS (Below 55°F/12.8°C)	REQUIRED FOR LONG LINE APPLICATIONS* (Over 80 ft. / 24.4 m)	REQUIRED FOR SEA COAST APPLICATIONS (Within 2 miles / 3.2 km)
Compressor Start Assist Capacitor and Relay	Yes	Yes	No
Crankcase Heater	Yes	Yes	No
Evaporator Freeze Thermostat	Yes	No	No
Hard Shutoff TXV	Yes	Yes	Yes
Liquid Line Solenoid Valve	No	See Longline Application Guideline	No
Low–ambient Control	Yes	No	No
Winter Start Control	Yes	No	No

* For tubing line sets between 80 and 200 ft. (24.38 and 60.96 m) and/or 35 ft. (10.7 m) vertical differential, refer to Residential Piping and Longline Guideline.

Accessory Description and Usage (Listed Alphabetically)

1. Crankcase Heater

An electric resistance heater which mounts to the base of the compressor to keep the lubricant warm during off cycles. Improves compressor lubrication on restart and minimizes the chance of liquid slugging.

Usage Guideline:

Required in low ambient cooling applications.

Required in long line applications.

Suggested in all commercial applications.

2. Evaporator Freeze Thermostat

An SPST temperature-actuated switch that stops unit operation when evaporator reaches freeze-up conditions.

Usage Guideline:

Required when low ambient kit has been added.

3. Low-Ambient Control

A fan-speed control device activated by a temperature sensor, designed to control condenser fan motor speed in response to the saturated, condensing temperature during operation in cooling mode only. For outdoor temperatures down to -20°F (-28.9°C), it maintains condensing temperature at 100°F ±10°F (37.8°C ± 5.5°C).

Usage Guideline:

A Low Ambient Controller must be used when cooling operation is used at outdoor temperatures below 55°F (12.8°C).

Suggested for all commercial applications.

4. Outdoor Air Temperature Sensor

Designed for use with Carrier Thermostats listed in this publication. This device enables the thermostat to display the outdoor temperature. This device also

is required to enable special thermostat features such as auxiliary heat lock out.

Usage Guideline:

Suggested for all Carrier thermostats listed in this publication.

5. Thermostatic Expansion Valve (TXV)

A modulating flow-control valve which meters refrigerant liquid flow rate into the evaporator in response to the superheat of the refrigerant gas leaving the evaporator.

Kit includes valve, adapter tubes, and external equalizer tube. Hard shut off types are available.

NOTE: When using a hard shut off TXV with single phase reciprocating compressors, a Compressor Start Assist Capacitor and Relay is required.

Usage Guideline:

Accessory required to meet AHRI rating and system reliability, where indoor not equipped.

Hard shut off TXV or LLS required in air conditioner long line applications.

Required for use on all zoning systems.

6. Time-Delay Relay

An SPST delay relay which briefly continues operation of indoor blower motor to provide additional cooling after the compressor cycles off.

NOTE: Most indoor unit controls include this feature. For those that do not, use the guideline below.

Usage Guideline:

Accessory required to meet AHRI rating, where indoor

not equipped.

7. Winter Start Control

This control is designed to alleviate nuisance opening of the low-pressure switch by bypassing it for the first 3 minutes of operation.

ELECTRICAL DATA

38HDR UNIT SIZE	V–PH–Hz	VOLTAGE RANGE*		COMPRESSOR		OUTDOOR FAN MOTOR			MIN CKT AMPS	FUSE/CKT BKR AMPS
		Min	Max	RLA	LRA	FLA	NEC Hp	kW Out		
018–31	208/230–1–60	187	253	9.0	48.0	0.8	0.125	0.09	12.1	20
024–32	208/230–1–60	187	253	13.5	58.3	0.8	0.125	0.09	17.7	25
030–31	208/230–1–60	187	253	14.1	73.0	1.5	0.250	0.19	19.1	30
036–31	208/230–1–60	187	253	14.1	77.0	1.5	0.250	0.19	19.1	30
	208/230–3–60	187	253	9.2	71.0	1.5	0.250	0.19	13.0	20
	460–3–60	414	506	5.6	38.0	0.8	0.250	0.19	7.9	10
048–32	208/230–1–60	187	253	19.9	109.0	1.5	0.250	0.19	26.4	40
	208/230–3–60	187	253	13.1	83.1	1.5	0.250	0.19	17.9	25
	460–3–60	414	506	6.1	41.0	0.8	0.250	0.19	8.4	15
060–32	208/230–1–60	187	253	26.4	134.0	1.5	0.250	0.19	34.5	60
	208/230–3–60	187	253	16.0	110.0	1.5	0.250	0.19	21.5	30
	460–3–60	414	506	7.8	52.0	0.8	0.250	0.19	10.6	15

* Permissible limits of the voltage range at which the unit will operate satisfactorily

FLA – Full Load Amps

HACR – Heating, Air Conditioning, Refrigeration

LRA – Locked Rotor Amps

NEC – National Electrical Code

RLA – Rated Load Amps (compressor)

NOTE: Control circuit is 24–V on all units and requires external power source. Copper wire must be used from service disconnect to unit. All motors/compressors contain internal overload protection.

Complies with 2007 requirements of ASHRAE Standards 90.1

A-WEIGHTED SOUND POWER (dBA)

Unit Size	Standard Rating (dBA)	Typical Octave Band Spectrum (dBA) (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
018–31	68	52.0	57.5	60.5	63.5	60.5	57.5	46.5
024–32	69	57.5	61.5	63.0	61.0	60.0	56.0	45.0
030–31	72	56.5	63.0	65.0	66.0	64.0	62.5	57.0
036–31	72	65.0	61.5	63.5	65.0	64.5	61.0	54.5
048–32	72	58.5	61.0	64.0	67.5	66.0	64.0	57.0
060–32	72	63.0	61.5	64.0	66.5	66.0	64.5	55.5

NOTE: Tested in accordance with AHRI Standard 270–08 (not listed in AHRI).

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

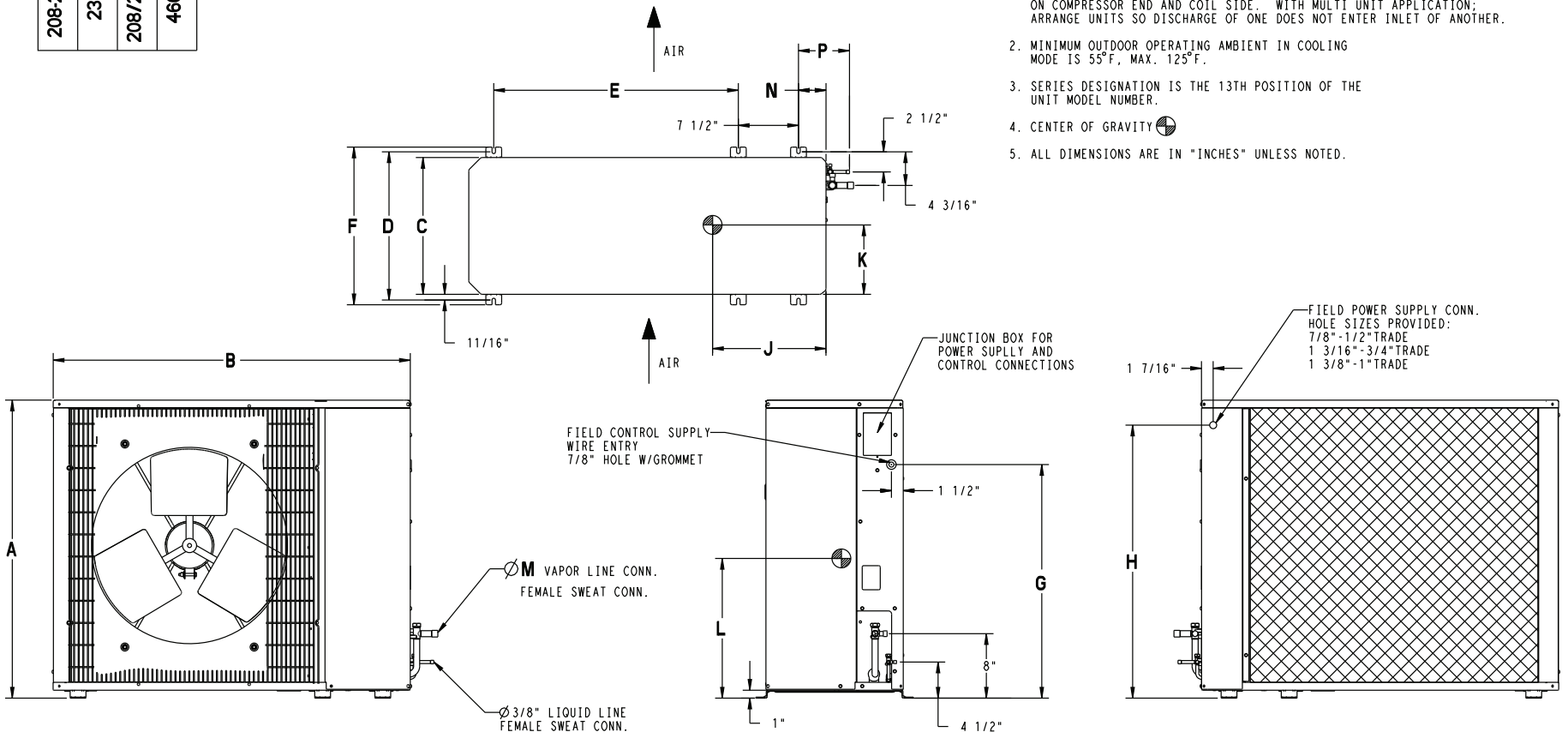
UNIT SIZE–VOLTAGE, SERIES	REQUIRED SUBCOOLING °F (°C)
018–31	12 (6.7)
024–32	12 (6.7)
030–31	12 (6.7)
036–31	12 (6.7)
048–32	12 (6.7)
060–32	12 (6.7)

DIMENSIONS - ENGLISH

UNIT	SERIES	ELECTRICAL CHARACTERISTICS				A	B	C	D	E	F	G	H	J	K	L	M	N	P	OPERATING WEIGHT(lbs)	SHIPPING WEIGHT(lbs)	SHIPPING DIMENSIONS (L x W x H)
		208-230-1-60	230-1-60	208/230-3-60	460-3-60																	
38HDR018	1	X	O	O	O	25 1/8"	36 15/16"	14 9/16"	16"	23 7/16"	17 3/16"	17 1/8"	22"	13"	6 5/8"	11 1/4"	5/8"	2 15/16"	6"	155	171	42 9/10" X 18" X 28 1/10"
38HDR024	1,2	X	O	O	O	31 1/8"	36 15/16"	14 9/16"	16"	23 7/16"	17 3/16"	23 1/8"	28"	14"	6 3/4"	11 5/8"	5/8"	2 15/16"	6"	180	198	42 9/10" X 18" X 34 1/10"
38HDR030	1	X	O	O	O	37 3/16"	44 9/16"	17 1/16"	18 7/16"	30 1/2"	19 5/8"	29 3/16"	34 1/16"	13 11/16"	8 1/8"	15 7/8"	3/4"	3 7/16"	6 1/2"	200	223	50 1/2" X 20 1/2" X 40 2/10"
38HDR036	1	X	O	X	X	37 3/16"	44 9/16"	17 1/16"	18 7/16"	30 1/2"	19 5/8"	29 3/16"	34 1/16"	13 11/16"	8 1/8"	15 7/8"	3/4"	3 7/16"	6 1/2"	218	240	50 1/2" X 20 1/2" X 40 2/10"
38HDR048	1,2	X	O	X	X	43 3/16"	44 9/16"	17 1/16"	18 7/16"	30 1/2"	19 5/8"	35 3/16"	40 1/16"	14 1/2"	8 1/2"	18 7/8"	7/8"	3 7/16"	6 1/2"	284	309	50 1/2" X 20 1/2" X 46 2/10"
38HDR060	1,2	X	O	X	X	43 3/16"	44 9/16"	17 1/16"	18 7/16"	30 1/2"	19 5/8"	35 3/16"	40 1/16"	14 1/2"	8 1/2"	18 7/8"	7/8"	3 7/16"	6 1/2"	294	319	50 1/2" X 20 1/2" X 46 2/10"

X = YES
O = NO

1. REQUIRED CLEARANCES: WITH COIL FACING WALL; ALLOW 6" MIN CLEARANCE ON COIL SIDE AND COIL END AND 36" MIN CLEARANCE ON COMPRESSOR END AND FAN SIDE. WITH FAN FACING WALL; ALLOW 8" MIN CLEARANCE ON FAN SIDE AND COIL END AND 36" MIN CLEARANCE ON COMPRESSOR END AND COIL SIDE. WITH MULTI UNIT APPLICATION; ARRANGE UNITS SO DISCHARGE OF ONE DOES NOT ENTER INLET OF ANOTHER.
2. MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING MODE IS 55°F, MAX. 125°F.
3. SERIES DESIGNATION IS THE 13TH POSITION OF THE UNIT MODEL NUMBER.
4. CENTER OF GRAVITY
5. ALL DIMENSIONS ARE IN "INCHES" UNLESS NOTED.



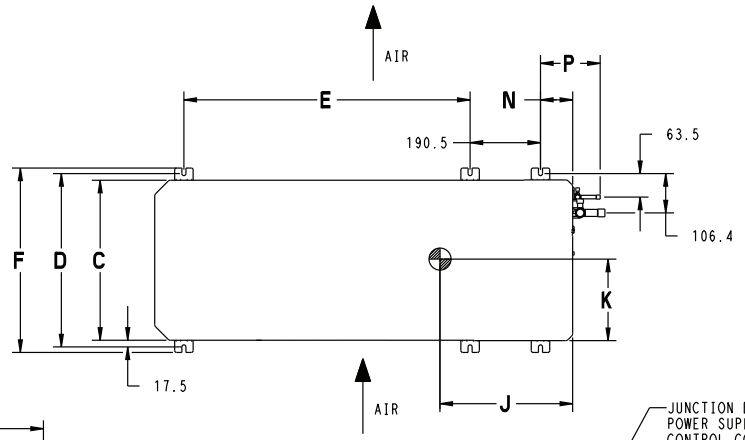
UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
18,24	23" X 42"
30,36,48,60	24" X 50"

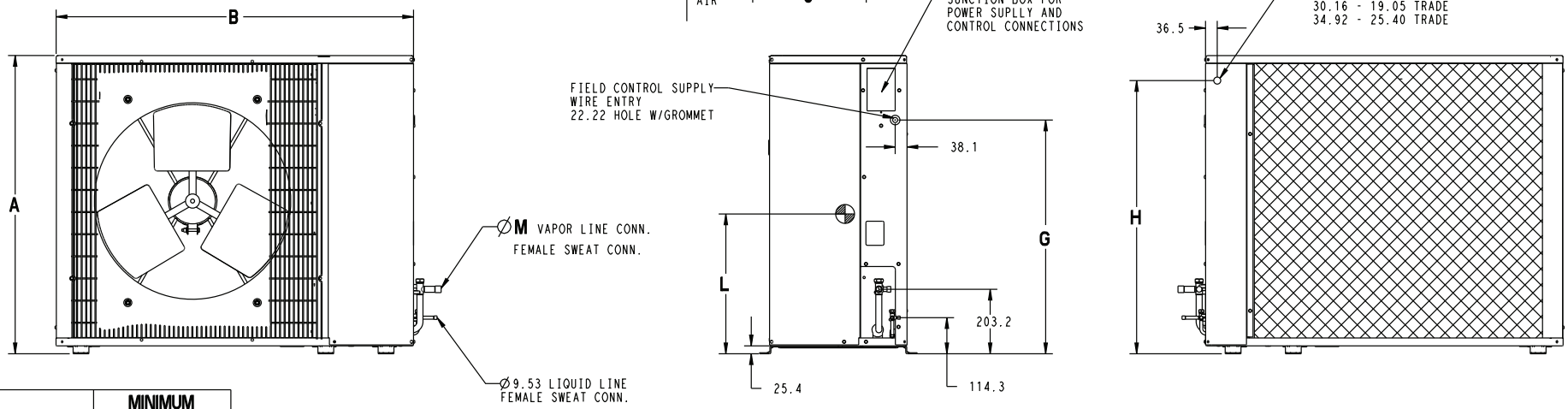
DIMENSIONS - SI

UNIT	SERIES	ELECTRICAL CHARACTERISTICS				A	B	C	D	E	F	G	H	J	K	L	M	N	P	OPERATING WEIGHT(KG)	SHIPPING WEIGHT(KG)	SHIPPING DIMENSIONS (L x W x H)
		208-230-1-60	230-1-60	208/230-3-60	460-3-60																	
38HDR018	1	X	O	O	O	638.2	938.2	369.9	406.4	595.3	436.6	435.0	558.8	330.2	168.3	285.8	15.9	74.6	152.4	70.4	77.7	1090.2 X 457.7 X 714.3
38HDR024	1,2	X	O	O	O	790.6	938.2	369.9	406.4	595.3	436.6	587.4	711.2	355.6	171.5	295.3	15.9	74.6	152.4	81.8	90.0	1090.2 X 457.7 X 866.7
38HDR030	1	X	O	O	O	944.6	1131.9	433.4	468.3	774.7	498.5	741.4	865.2	347.7	206.4	403.2	19.0	87.3	165.1	90.9	101.4	1282.7 X 520.7 X 1020.7
38HDR036	1	X	O	X	X	944.6	1131.9	433.4	468.3	774.7	498.5	741.4	865.2	347.7	206.4	403.2	19.0	87.3	165.1	99.0	109.0	1282.7 X 520.7 X 1020.7
38HDR048	1,2	X	O	X	X	1097.0	1131.9	433.4	468.3	774.7	498.5	893.8	1017.6	368.3	215.9	479.4	22.2	87.3	165.1	129.0	140.4	1282.7 X 520.7 X 1173.1
38HDR060	1,2	X	O	X	X	1097.0	1131.9	433.4	468.3	774.7	498.5	893.8	1017.6	368.3	215.9	479.4	22.2	87.3	165.1	133.6	145.0	1282.7 X 520.7 X 1173.1

X = YES
O = NO

1. REQUIRED CLEARANCES: WITH COIL FACING WALL; ALLOW 152.4 MIN CLEARANCE ON COIL SIDE AND COIL END AND 914.4 MIN CLEARANCE ON COMPRESSOR END AND FAN SIDE. WITH FAN FACING WALL; ALLOW 203.2 MIN CLEARANCE ON FAN SIDE AND COIL END AND 914.4 MIN CLEARANCE ON COMPRESSOR END AND COIL SIDE. WITH MULTI UNIT APPLICATION; ARRANGE UNITS SO DISCHARGE OF ONE DOES NOT ENTER INLET OF ANOTHER.
2. MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING MODE IS 12.8°C, MAX. 51.7°C.
3. SERIES DESIGNATION IS THE 13TH POSITION OF THE UNIT MODEL NUMBER.
4. CENTER OF GRAVITY
5. ALL DIMENSIONS ARE IN "MM" UNLESS NOTED.





UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
18,24	584.2 X 1066.8
30,36,48,60	609.6 X 1270.0

COMBINATION RATINGS

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3667080	38HDR018−31	†CNPV*1814A**+TDR		17,000	11.0	13.0
4084320	38HDR018−31	CAP**1814A**	58CV(A,X)070−12	17,000	11.5	14.0
4084113	38HDR018−31	CAP**1814A**	58PH*045−08	17,000	11.5	14.0
4744075	38HDR018−31	CAP**1814A**	59*P5A040E14**10	16,900	11.5	14.0
4084321	38HDR018−31	CAP**1814A**+TDR		17,000	10.9	13.0
4084322	38HDR018−31	CAP**2414A**	58CV(A,X)070−12	17,400	11.5	14.0
4084114	38HDR018−31	CAP**2414A**	58PH*045−08	17,400	12.0	14.5
4744076	38HDR018−31	CAP**2414A**	59*P5A040E14**10	17,400	12.0	14.5
4084323	38HDR018−31	CAP**2414A**+TDR		17,400	11.0	13.0
4084324	38HDR018−31	CAP**2417A**	58CV(A,X)070−12	17,400	11.5	14.0
4084325	38HDR018−31	CAP**2417A**	58CV(A,X)090−16	17,400	11.5	14.0
4084115	38HDR018−31	CAP**2417A**	58ME(B,C)040−12	17,400	12.0	14.5
4084116	38HDR018−31	CAP**2417A**	58ME(B,C)060−12	17,400	12.0	14.5
4084117	38HDR018−31	CAP**2417A**	58MEB040−12	17,400	12.0	14.5
4084326	38HDR018−31	CAP**2417A**	58MV(B,C)060−14	17,400	11.5	14.0
4084118	38HDR018−31	CAP**2417A**	58UVB060−14	17,400	11.5	14.0
4113774	38HDR018−31	CAP**2417A**	58VLR105−12	17,000	12.0	14.5
4113773	38HDR018−31	CAP**2417A**	58VMR105−12	17,000	12.0	14.5
4744077	38HDR018−31	CAP**2417A**	59*N*A060V17**14	17,400	12.0	14.5
4744078	38HDR018−31	CAP**2417A**	59*N*A080V17**14	17,300	12.0	14.5
4744079	38HDR018−31	CAP**2417A**	59*P5A040E14**10	17,400	12.0	14.5
4255179	38HDR018−31	CAP**2417A**	OVLAAB036098	17,000	12.0	14.5
4113775	38HDR018−31	CAP**2417A**	OVMAAB036098	17,000	12.0	14.5
4084327	38HDR018−31	CAP**2417A**+TDR		17,400	11.0	13.0
4084329	38HDR018−31	CNPH*2417A**	58CV(A,X)070−12	17,400	11.5	14.0
4084330	38HDR018−31	CNPH*2417A**	58CV(A,X)090−16	17,400	11.5	14.0
4114919	38HDR018−31	CNPH*2417A**	58HDV040−−12	17,000	12.0	14.5
4114920	38HDR018−31	CNPH*2417A**	58HDV060−−12	17,000	12.0	14.5
4084119	38HDR018−31	CNPH*2417A**	58ME(B,C)040−12	17,400	12.0	14.5
4084120	38HDR018−31	CNPH*2417A**	58ME(B,C)060−12	17,400	12.0	14.5
4084121	38HDR018−31	CNPH*2417A**	58MEB040−12	17,400	12.0	14.5
4084333	38HDR018−31	CNPH*2417A**	58MV(B,C)060−14	17,400	11.5	14.0
4084334	38HDR018−31	CNPH*2417A**	58MV(B,C)080−14	17,400	11.5	14.0
4084122	38HDR018−31	CNPH*2417A**	58PH*045−08	17,400	12.0	14.5
4113786	38HDR018−31	CNPH*2417A**	58VLR105−12	17,000	12.0	14.5
4113785	38HDR018−31	CNPH*2417A**	58VMR105−12	17,000	12.0	14.5
4744088	38HDR018−31	CNPH*2417A**	59*N*A060V17**14	17,500	12.0	14.5
4744089	38HDR018−31	CNPH*2417A**	59*N*A080V17**14	17,400	12.0	14.5
4744090	38HDR018−31	CNPH*2417A**	59*P5A040E14**10	17,300	11.8	14.2
4255182	38HDR018−31	CNPH*2417A**	OVLAAB036098	17,000	12.0	14.5
4113787	38HDR018−31	CNPH*2417A**	OVMAAB036098	17,000	12.0	14.5
4084335	38HDR018−31	CNPH*2417A**+TDR		17,400	11.0	13.0
4084336	38HDR018−31	CNPV*1814A**	58CV(A,X)070−12	17,000	11.5	14.0
4084123	38HDR018−31	CNPV*1814A**	58PH*045−08	17,000	11.5	14.0
4744080	38HDR018−31	CNPV*1814A**	59*P5A040E14**10	17,100	11.8	14.2
3667083	38HDR018−31	CNPV*1917A**	58CV(A,X)090−16	17,200	12.0	14.5
4129741	38HDR018−31	CNPV*1917A**	58HDV040−−12	17,000	12.0	14.5
4129742	38HDR018−31	CNPV*1917A**	58HDV060−−12	17,000	12.0	14.5
3716383	38HDR018−31	CNPV*1917A**	58ME(B,C)060−12	17,200	12.5	15.0
3667084	38HDR018−31	CNPV*1917A**	58MEB040−12	17,200	12.5	15.0
3667082	38HDR018−31	CNPV*1917A**	58MV(B,C)060−14	17,200	12.0	14.5
3716391	38HDR018−31	CNPV*1917A**	58UVB060−14	17,200	12.0	14.5
4113778	38HDR018−31	CNPV*1917A**	58VLR105−12	17,000	12.0	14.5
4113777	38HDR018−31	CNPV*1917A**	58VMR105−12	17,000	12.0	14.5
4744081	38HDR018−31	CNPV*1917A**	59*N*A060V17**14	17,600	12.4	15.0
4744082	38HDR018−31	CNPV*1917A**	59*N*A080V17**14	17,500	12.4	15.0
4744083	38HDR018−31	CNPV*1917A**	59*P5A040E14**10	17,500	12.0	14.5
4255180	38HDR018−31	CNPV*1917A**	OVLAAB036098	17,000	12.0	14.5
4113779	38HDR018−31	CNPV*1917A**	OVMAAB036098	17,000	12.0	14.5
3667081	38HDR018−31	CNPV*1917A**+TDR		17,200	11.0	13.0
4084337	38HDR018−31	CNPV*2414A**	58CV(A,X)070−12	17,400	11.5	14.0
4084124	38HDR018−31	CNPV*2414A**	58PH*045−08	17,400	12.0	14.5
4744084	38HDR018−31	CNPV*2414A**	59*P5A040E14**10	17,300	11.8	14.2
4084338	38HDR018−31	CNPV*2414A**+TDR		17,400	11.0	13.0
4084339	38HDR018−31	CNPV*2417A**	58CV(A,X)070−12	17,400	11.5	14.0
4084340	38HDR018−31	CNPV*2417A**	58CV(A,X)090−16	17,400	11.5	14.0
4129743	38HDR018−31	CNPV*2417A**	58HDV040−−12	17,000	11.5	14.0
4129744	38HDR018−31	CNPV*2417A**	58HDV060−−12	17,000	12.0	14.5
4084125	38HDR018−31	CNPV*2417A**	58ME(B,C)040−12	17,400	12.0	14.5
4084126	38HDR018−31	CNPV*2417A**	58ME(B,C)060−12	17,400	12.0	14.5
4084127	38HDR018−31	CNPV*2417A**	58MEB040−12	17,400	12.0	14.5
4084341	38HDR018−31	CNPV*2417A**	58MV(B,C)060−14	17,400	11.5	14.0
4084128	38HDR018−31	CNPV*2417A**	58UVB060−14	17,400	11.5	14.0

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4113782	38HDR018−31	CNPV*2417A**	58VLR105−12	17,000	12.0	14.5
4113781	38HDR018−31	CNPV*2417A**	58VMR105−12	17,000	12.0	14.5
4744085	38HDR018−31	CNPV*2417A**	59*N*A060V17**14	17,500	12.0	14.5
4744086	38HDR018−31	CNPV*2417A**	59*N*A080V17**14	17,400	12.0	14.5
4744087	38HDR018−31	CNPV*2417A**	59*P5A040E14**10	17,300	11.8	14.2
4255181	38HDR018−31	CNPV*2417A**	OVLAAB036098	17,000	12.0	14.5
4113783	38HDR018−31	CNPV*2417A**	OVMAAB036098	17,000	12.0	14.5
4084342	38HDR018−31	CNPV*2417A**+TDR		17,400	11.0	13.0
4084343	38HDR018−31	CSPH*2412A**	58CV(A,X)070−12	17,400	11.5	14.0
4084344	38HDR018−31	CSPH*2412A**	58CV(A,X)090−16	17,400	11.5	14.0
4114921	38HDR018−31	CSPH*2412A**	58HDV040−−12	17,000	12.0	14.5
4114922	38HDR018−31	CSPH*2412A**	58HDV060−−12	17,000	12.0	14.5
4084129	38HDR018−31	CSPH*2412A**	58ME(B,C)040−12	17,400	12.0	14.5
4084130	38HDR018−31	CSPH*2412A**	58ME(B,C)060−12	17,400	12.0	14.5
4084131	38HDR018−31	CSPH*2412A**	58MEB040−12	17,400	12.0	14.5
4084345	38HDR018−31	CSPH*2412A**	58MV(B,C)060−14	17,400	11.5	14.0
4084346	38HDR018−31	CSPH*2412A**	58MV(B,C)080−14	17,400	11.5	14.0
4084132	38HDR018−31	CSPH*2412A**	58PH*045−08	17,400	12.0	14.5
4113790	38HDR018−31	CSPH*2412A**	58VLR105−12	17,000	12.0	14.5
4113789	38HDR018−31	CSPH*2412A**	58VMR105−12	17,000	12.0	14.5
4744091	38HDR018−31	CSPH*2412A**	59*N*A060V17**14	17,600	12.0	14.5
4744092	38HDR018−31	CSPH*2412A**	59*N*A080V17**14	17,500	12.0	14.5
4744093	38HDR018−31	CSPH*2412A**	59*P5A040E14**10	17,400	12.0	14.5
4255183	38HDR018−31	CSPH*2412A**	OVLAAB036098	17,000	12.0	14.5
4113791	38HDR018−31	CSPH*2412A**	OVMAAB036098	17,000	12.0	14.5
4084347	38HDR018−31	CSPH*2412A**+TDR		17,400	11.0	13.0
4084101	38HDR018−31	FB4CNF018+TXV		17,200	12.0	14.5
4084102	38HDR018−31	FB4CNF024+TXV		17,400	12.0	14.5
4084348	38HDR018−31	FE4ANF002+UI		17,400	11.5	14.0
4084349	38HDR018−31	FF1ENP018		17,400	11.0	13.0
3813746	38HDR018−31	FF1ENP019		17,400	11.5	14.0
4084350	38HDR018−31	FF1ENP024		17,400	11.0	13.0
3813751	38HDR018−31	FF1ENP025		17,600	12.0	14.5
3813755	38HDR018−31	FF1ENP031		17,600	12.0	14.5
3813757	38HDR018−31	FF1ENP037		17,600	12.0	14.5
4084133	38HDR018−31	FV4CNF002		17,400	11.5	14.0
3752237	38HDR018−31	FX4DN(B,F)031		17,400	12.0	14.5
3752235	38HDR018−31	FX4DNF019		17,400	12.0	14.5
3752236	38HDR018−31	FX4DNF025		17,400	12.0	14.5
4084103	38HDR018−31	FY5BNF018+TXV		17,200	11.0	13.5
4084104	38HDR018−31	FY5BNF024+TXV		17,400	11.0	13.5
3465486	38HDR024−32	†CNPV*2414A**+TDR		23,400	11.0	13.0
3465488	38HDR024−32	CAP**2414A**	58CV(A,X)070−12	23,400	11.5	14.0
3465489	38HDR024−32	CAP**2414A**	58PH*045−08	23,400	11.5	14.0
4744094	38HDR024−32	CAP**2414A**	59*P5A040E14**10	23,200	11.2	13.5
3465487	38HDR024−32	CAP**2414A**+TDR		23,400	11.0	13.0
3465492	38HDR024−32	CAP**2417A**	58CV(A,X)090−16	23,400	11.5	14.0
3613494	38HDR024−32	CAP**2417A**	58ME(B,C)040−12	23,400	12.0	14.5
3465494	38HDR024−32	CAP**2417A**	58ME(B,C)060−12	23,400	12.0	14.5
3465495	38HDR024−32	CAP**2417A**	58ME(B,C)080−12	23,400	12.0	14.5
3465493	38HDR024−32	CAP**2417A**	58MEB040−12	23,400	12.0	14.5
3465491	38HDR024−32	CAP**2417A**	58MV(B,C)060−14	23,400	11.5	14.0
3673351	38HDR024−32	CAP**2417A**	58UVB060−14	23,400	11.5	14.0
4113794	38HDR024−32	CAP**2417A**	58VLR105−12	23,400	12.0	14.5
4113793	38HDR024−32	CAP**2417A**	58VMR105−12	23,400	12.0	14.5
4744095	38HDR024−32	CAP**2417A**	59*N*A060V17**14	23,200	12.0	14.5
4744096	38HDR024−32	CAP**2417A**	59*N*A080V17**14	23,000	12.0	14.5
4744097	38HDR024−32	CAP**2417A**	59*P5A040E14**10	23,200	11.2	13.5
4744098	38HDR024−32	CAP**2417A**	59*P5A060E17**14	23,200	12.0	14.5
4113796	38HDR024−32	CAP**2417A**	OVLAAB036098	23,400	12.0	14.5
4113795	38HDR024−32	CAP**2417A**	OVMAAB036098	23,400	12.0	14.5
4113797	38HDR024−32	CAP**2417A**	OVMAAB042112	23,400	12.0	14.5
3465490	38HDR024−32	CAP**2417A**+TDR		23,400	11.0	13.0
3465497	38HDR024−32	CAP**3014A**	58CV(A,X)070−12	23,400	11.5	14.0
3465498	38HDR024−32	CAP**3014A**	58PH*045−08	23,600	12.0	14.5
4744099	38HDR024−32	CAP**3014A**	59*P5A040E14**10	23,400	11.2	13.5
3465496	38HDR024−32	CAP**3014A**+TDR		23,600	11.0	13.0
3465501	38HDR024−32	CAP**3017A**	58CV(A,X)090−16	23,600	11.5	14.0
3613495	38HDR024−32	CAP**3017A**	58ME(B,C)040−12	23,600	12.0	14.5
3465503	38HDR024−32	CAP**3017A**	58ME(B,C)060−12	23,600	12.0	14.5
3465504	38HDR024−32	CAP**3017A**	58ME(B,C)080−12	23,600	12.0	14.5
3465502	38HDR024−32	CAP**3017A**	58MEB040−12	23,600	12.0	14.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3465500	38HDR024−32	CAP**3017A**	58MV(B,C)060−14	23,600	11.5	14.0
3673352	38HDR024−32	CAP**3017A**	58UVB060−14	23,600	11.5	14.0
4113799	38HDR024−32	CAP**3017A**	58VLR105−12	23,600	12.0	14.5
4113798	38HDR024−32	CAP**3017A**	58VMR105−12	23,400	12.0	14.5
4744100	38HDR024−32	CAP**3017A**	59*N*A060V17**14	23,200	12.0	14.5
4744101	38HDR024−32	CAP**3017A**	59*N*A080V17**14	23,200	12.0	14.5
4744102	38HDR024−32	CAP**3017A**	59*P5A040E14**10	23,400	11.2	13.5
4744103	38HDR024−32	CAP**3017A**	59*P5A060E17**14	23,400	12.0	14.5
4113801	38HDR024−32	CAP**3017A**	OVLAAB036098	23,600	12.0	14.5
4113800	38HDR024−32	CAP**3017A**	OVMAAB036098	23,600	12.0	14.5
4113802	38HDR024−32	CAP**3017A**	OVMAAB042112	23,600	12.0	14.5
3465499	38HDR024−32	CAP**3017A**+TDR		23,600	11.0	13.0
3667120	38HDR024−32	CAP**3619A**	58HDV040−−12	23,400	11.5	14.0
3667121	38HDR024−32	CAP**3619A**	58HDV060−−12	23,400	11.5	14.0
3667119	38HDR024−32	CAP**3619A**+TDR		23,400	11.0	13.0
3465529	38HDR024−32	CNPH*2417A**	58CV(A,X)070−12	23,400	11.5	14.0
3465530	38HDR024−32	CNPH*2417A**	58CV(A,X)090−16	23,400	11.5	14.0
3465531	38HDR024−32	CNPH*2417A**	58CV(A,X)110−20	23,400	11.5	14.0
3465532	38HDR024−32	CNPH*2417A**	58CV(A,X)135−22	23,400	11.5	14.0
3465533	38HDR024−32	CNPH*2417A**	58CV(A,X)155−22	23,400	11.5	14.0
4113818	38HDR024−32	CNPH*2417A**	58HDV040−−12	23,400	11.5	14.0
4113819	38HDR024−32	CNPH*2417A**	58HDV060−−12	23,400	11.5	14.0
4113820	38HDR024−32	CNPH*2417A**	58HDV080−−20	23,400	12.0	14.5
4113821	38HDR024−32	CNPH*2417A**	58HDV100−−20	23,400	12.0	14.5
3613498	38HDR024−32	CNPH*2417A**	58ME(B,C)040−12	23,400	12.0	14.5
3465536	38HDR024−32	CNPH*2417A**	58ME(B,C)060−12	23,400	12.0	14.5
3465537	38HDR024−32	CNPH*2417A**	58ME(B,C)080−12	23,400	12.0	14.5
3465535	38HDR024−32	CNPH*2417A**	58MEB040−12	23,400	12.0	14.5
3465524	38HDR024−32	CNPH*2417A**	58MV(B,C)060−14	23,400	11.5	14.0
3465525	38HDR024−32	CNPH*2417A**	58MV(B,C)080−14	23,400	11.5	14.0
3465526	38HDR024−32	CNPH*2417A**	58MV(B,C)080−20	23,200	11.5	14.0
3465527	38HDR024−32	CNPH*2417A**	58MV(B,C)100−20	23,400	11.5	14.0
3465528	38HDR024−32	CNPH*2417A**	58MV(B,C)120−20	23,400	11.5	14.0
3465523	38HDR024−32	CNPH*2417A**	58MVB040−14	23,400	11.5	14.0
3465534	38HDR024−32	CNPH*2417A**	58PH*045−08	23,400	11.5	14.0
4113823	38HDR024−32	CNPH*2417A**	58VLR105−12	23,400	12.0	14.5
4113822	38HDR024−32	CNPH*2417A**	58VMR105−12	23,200	12.0	14.5
4744118	38HDR024−32	CNPH*2417A**	59*N*A060V17**14	23,200	12.0	14.5
4744119	38HDR024−32	CNPH*2417A**	59*N*A080V17**14	23,000	12.0	14.5
4744120	38HDR024−32	CNPH*2417A**	59*N*A100V21**20	23,400	12.0	14.5
4744121	38HDR024−32	CNPH*2417A**	59*N*A120V24**22	23,200	12.0	14.5
4744122	38HDR024−32	CNPH*2417A**	59*P5A040E14**10	23,200	11.2	13.5
4744123	38HDR024−32	CNPH*2417A**	59*P5A060E17**14	23,000	12.0	14.5
4113825	38HDR024−32	CNPH*2417A**	OVLAAB036098	23,400	12.0	14.5
4113824	38HDR024−32	CNPH*2417A**	OVMAAB036098	23,400	12.0	14.5
4113826	38HDR024−32	CNPH*2417A**	OVMAAB042112	23,400	12.0	14.5
3465522	38HDR024−32	CNPH*2417A**+TDR		23,400	11.0	13.0
3465545	38HDR024−32	CNPH*3017A**	58CV(A,X)070−12	23,400	11.5	14.0
3465546	38HDR024−32	CNPH*3017A**	58CV(A,X)090−16	23,600	11.5	14.0
3465547	38HDR024−32	CNPH*3017A**	58CV(A,X)110−20	23,600	11.5	14.0
3465548	38HDR024−32	CNPH*3017A**	58CV(A,X)135−22	23,600	11.5	14.0
3465549	38HDR024−32	CNPH*3017A**	58CV(A,X)155−22	23,600	11.5	14.0
4113827	38HDR024−32	CNPH*3017A**	58HDV040−−12	23,600	12.0	14.5
4113828	38HDR024−32	CNPH*3017A**	58HDV060−−12	23,600	12.0	14.5
4114923	38HDR024−32	CNPH*3017A**	58HDV080−−20	23,600	12.0	14.5
4113829	38HDR024−32	CNPH*3017A**	58HDV100−−20	23,600	12.0	14.5
3613499	38HDR024−32	CNPH*3017A**	58ME(B,C)040−12	23,600	12.0	14.5
3465552	38HDR024−32	CNPH*3017A**	58ME(B,C)060−12	23,600	12.0	14.5
3465553	38HDR024−32	CNPH*3017A**	58ME(B,C)080−12	23,600	12.0	14.5
3465551	38HDR024−32	CNPH*3017A**	58MEB040−12	23,600	12.0	14.5
3465540	38HDR024−32	CNPH*3017A**	58MV(B,C)060−14	23,600	11.5	14.0
3465541	38HDR024−32	CNPH*3017A**	58MV(B,C)080−14	23,400	11.5	14.0
3465542	38HDR024−32	CNPH*3017A**	58MV(B,C)080−20	23,400	11.5	14.0
3465543	38HDR024−32	CNPH*3017A**	58MV(B,C)100−20	23,600	11.5	14.0
3465544	38HDR024−32	CNPH*3017A**	58MV(B,C)120−20	23,600	11.5	14.0
3465539	38HDR024−32	CNPH*3017A**	58MVB040−14	23,600	11.5	14.0
3465550	38HDR024−32	CNPH*3017A**	58PH*045−08	23,600	12.0	14.5
4113831	38HDR024−32	CNPH*3017A**	58VLR105−12	23,600	12.0	14.5
4113830	38HDR024−32	CNPH*3017A**	58VMR105−12	23,400	12.0	14.5
4744124	38HDR024−32	CNPH*3017A**	59*N*A060V17**14	23,200	12.0	14.5
4744125	38HDR024−32	CNPH*3017A**	59*N*A080V17**14	23,200	12.0	14.5
4744126	38HDR024−32	CNPH*3017A**	59*N*A100V21**20	23,600	12.0	14.5
4744127	38HDR024−32	CNPH*3017A**	59*N*A120V24**22	23,400	12.5	15.0

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4744128	38HDR024−32	CNPH*3017A**	59*P5A040E14**10	23,400	11.2	13.5
4744129	38HDR024−32	CNPH*3017A**	59*P5A060E17**14	23,400	12.0	14.5
4113833	38HDR024−32	CNPH*3017A**	OVLAAB036098	23,600	12.0	14.5
4113832	38HDR024−32	CNPH*3017A**	OVMAAB036098	23,600	12.0	14.5
4113834	38HDR024−32	CNPH*3017A**	OVMAAB042112	23,600	12.0	14.5
3465538	38HDR024−32	CNPH*3017A**+TDR		23,600	11.0	13.0
3667099	38HDR024−32	CNPH*3117A**	58CV(A,X)070−12	23,600	12.5	15.0
3667100	38HDR024−32	CNPH*3117A**	58CV(A,X)090−16	23,600	12.5	15.0
3667101	38HDR024−32	CNPH*3117A**	58CV(A,X)110−20	23,600	12.5	15.0
3667102	38HDR024−32	CNPH*3117A**	58CV(A,X)135−22	23,600	12.5	15.0
3667103	38HDR024−32	CNPH*3117A**	58CV(A,X)155−22	23,600	12.5	15.0
3667108	38HDR024−32	CNPH*3117A**	58HDV040−−12	23,600	12.0	14.5
3667109	38HDR024−32	CNPH*3117A**	58HDV060−−12	23,600	12.0	14.5
4114924	38HDR024−32	CNPH*3117A**	58HDV080−−20	23,800	12.0	14.5
3667110	38HDR024−32	CNPH*3117A**	58HDV100−−20	23,600	12.0	14.5
3716381	38HDR024−32	CNPH*3117A**	58ME(B,C)060−12	23,600	12.5	15.0
3716382	38HDR024−32	CNPH*3117A**	58ME(B,C)080−12	23,600	12.5	15.0
3667105	38HDR024−32	CNPH*3117A**	58MEB040−12	23,600	12.5	15.0
3667094	38HDR024−32	CNPH*3117A**	58MV(B,C)060−14	23,600	12.5	15.0
3667095	38HDR024−32	CNPH*3117A**	58MV(B,C)080−14	23,600	12.5	15.0
3667096	38HDR024−32	CNPH*3117A**	58MV(B,C)080−20	23,600	12.5	15.0
3667097	38HDR024−32	CNPH*3117A**	58MV(B,C)100−20	23,600	12.5	15.0
3667098	38HDR024−32	CNPH*3117A**	58MV(B,C)120−20	23,600	12.5	15.0
3667093	38HDR024−32	CNPH*3117A**	58MVB040−14	23,600	12.5	15.0
3667104	38HDR024−32	CNPH*3117A**	58PH*045−08	23,600	12.0	14.5
4113836	38HDR024−32	CNPH*3117A**	58VLR105−12	23,800	12.0	14.5
4113835	38HDR024−32	CNPH*3117A**	58VMR105−12	23,800	12.0	14.5
4744130	38HDR024−32	CNPH*3117A**	59*N*A060V17**14	23,800	12.5	15.0
4744131	38HDR024−32	CNPH*3117A**	59*N*A080V17**14	23,600	12.5	15.0
4744132	38HDR024−32	CNPH*3117A**	59*N*A100V21**20	24,000	12.5	15.0
4744133	38HDR024−32	CNPH*3117A**	59*N*A120V24**22	23,800	12.5	15.2
4744134	38HDR024−32	CNPH*3117A**	59*P5A040E14**10	24,000	11.4	13.7
4744135	38HDR024−32	CNPH*3117A**	59*P5A060E17**14	23,800	12.5	15.0
4113838	38HDR024−32	CNPH*3117A**	OVLAAB036098	23,800	12.0	14.5
4113837	38HDR024−32	CNPH*3117A**	OVMAAB036098	23,800	12.0	14.5
4113839	38HDR024−32	CNPH*3117A**	OVMAAB042112	23,800	12.0	14.5
3667092	38HDR024−32	CNPH*3117A**+TDR		23,600	11.0	13.0
3465505	38HDR024−32	CNPV*2414A**	58CV(A,X)070−12	23,400	11.5	14.0
3465506	38HDR024−32	CNPV*2414A**	58PH*045−08	23,400	11.5	14.0
4744104	38HDR024−32	CNPV*2414A**	59*P5A040E14**10	23,200	11.2	13.5
3465509	38HDR024−32	CNPV*2417A**	58CV(A,X)090−16	23,400	11.5	14.0
4129745	38HDR024−32	CNPV*2417A**	58HDV040−−12	23,400	12.0	14.0
4129746	38HDR024−32	CNPV*2417A**	58HDV060−−12	23,400	12.0	14.0
3613496	38HDR024−32	CNPV*2417A**	58ME(B,C)040−12	23,400	12.0	14.5
3465511	38HDR024−32	CNPV*2417A**	58ME(B,C)060−12	23,400	12.0	14.5
3465512	38HDR024−32	CNPV*2417A**	58ME(B,C)080−12	23,400	12.0	14.5
3465510	38HDR024−32	CNPV*2417A**	58MEB040−12	23,400	12.0	14.5
3465508	38HDR024−32	CNPV*2417A**	58MV(B,C)060−14	23,400	11.5	14.0
3757018	38HDR024−32	CNPV*2417A**	58UVB060−14	23,400	11.5	14.0
4113804	38HDR024−32	CNPV*2417A**	58VLR105−12	23,400	12.0	14.5
4113803	38HDR024−32	CNPV*2417A**	58VMR105−12	23,200	12.0	14.5
4744105	38HDR024−32	CNPV*2417A**	59*N*A060V17**14	23,200	12.0	14.5
4744106	38HDR024−32	CNPV*2417A**	59*N*A080V17**14	23,000	12.0	14.5
4744107	38HDR024−32	CNPV*2417A**	59*P5A040E14**10	23,200	11.2	13.5
4744108	38HDR024−32	CNPV*2417A**	59*P5A060E17**14	23,000	12.0	14.5
4113806	38HDR024−32	CNPV*2417A**	OVLAAB036098	23,400	12.0	14.5
4113805	38HDR024−32	CNPV*2417A**	OVMAAB036098	23,400	12.0	14.5
4113807	38HDR024−32	CNPV*2417A**	OVMAAB042112	23,400	12.0	14.5
3465507	38HDR024−32	CNPV*2417A**+TDR		23,400	11.0	13.0
3465514	38HDR024−32	CNPV*3014A**	58CV(A,X)070−12	23,400	11.5	14.0
3465515	38HDR024−32	CNPV*3014A**	58PH*045−08	23,600	11.5	14.0
4744109	38HDR024−32	CNPV*3014A**	59*P5A040E14**10	23,400	11.2	13.5
3465513	38HDR024−32	CNPV*3014A**+TDR		23,600	11.0	13.0
3465518	38HDR024−32	CNPV*3017A**	58CV(A,X)090−16	23,600	11.5	14.0
4129747	38HDR024−32	CNPV*3017A**	58HDV040−−12	23,600	12.0	14.5
4129748	38HDR024−32	CNPV*3017A**	58HDV060−−12	23,600	12.0	14.5
3613497	38HDR024−32	CNPV*3017A**	58ME(B,C)040−12	23,600	12.0	14.5
3465520	38HDR024−32	CNPV*3017A**	58ME(B,C)060−12	23,600	12.0	14.5
3465521	38HDR024−32	CNPV*3017A**	58ME(B,C)080−12	23,600	12.0	14.5
3465519	38HDR024−32	CNPV*3017A**	58MEB040−12	23,600	12.0	14.5
3465517	38HDR024−32	CNPV*3017A**	58MV(B,C)060−14	23,600	11.5	14.0
3757019	38HDR024−32	CNPV*3017A**	58UVB060−14	23,600	11.5	14.0
4113809	38HDR024−32	CNPV*3017A**	58VLR105−12	23,600	12.0	14.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4113808	38HDR024−32	CNPV*3017A**	58VMR105−12	23,400	12.0	14.5
4744110	38HDR024−32	CNPV*3017A**	59*N*A060V17**14	23,200	12.0	14.5
4744111	38HDR024−32	CNPV*3017A**	59*N*A080V17**14	23,200	12.0	14.5
4744112	38HDR024−32	CNPV*3017A**	59*P5A040E14**10	23,400	11.2	13.5
4744113	38HDR024−32	CNPV*3017A**	59*P5A060E17**14	23,400	12.0	14.5
4113811	38HDR024−32	CNPV*3017A**	OVLAAB036098	23,600	12.0	14.5
4113810	38HDR024−32	CNPV*3017A**	OVMAAB036098	23,600	12.0	14.5
4113812	38HDR024−32	CNPV*3017A**	OVMAAB042112	23,600	12.0	14.5
3465516	38HDR024−32	CNPV*3017A**+TDR		23,600	11.0	13.0
3667088	38HDR024−32	CNPV*3117A**	58CV(A,X)090−16	23,600	12.5	15.0
4129749	38HDR024−32	CNPV*3117A**	58HDV040−−12	23,800	12.0	14.5
4129750	38HDR024−32	CNPV*3117A**	58HDV060−−12	23,800	12.0	14.5
3716379	38HDR024−32	CNPV*3117A**	58ME(B,C)060−12	23,600	12.5	15.0
3716380	38HDR024−32	CNPV*3117A**	58ME(B,C)080−12	23,600	12.5	15.0
3667089	38HDR024−32	CNPV*3117A**	58MEB040−12	23,600	12.5	15.0
3667087	38HDR024−32	CNPV*3117A**	58MV(B,C)060−14	23,600	12.5	15.0
3716390	38HDR024−32	CNPV*3117A**	58UVB060−14	23,600	12.5	15.0
4113814	38HDR024−32	CNPV*3117A**	58VLR105−12	23,800	12.0	14.5
4113813	38HDR024−32	CNPV*3117A**	58VMR105−12	23,800	12.0	14.5
4744114	38HDR024−32	CNPV*3117A**	59*N*A060V17**14	23,800	12.5	15.0
4744115	38HDR024−32	CNPV*3117A**	59*N*A080V17**14	23,600	12.5	15.0
4744116	38HDR024−32	CNPV*3117A**	59*P5A040E14**10	24,000	11.4	13.7
4744117	38HDR024−32	CNPV*3117A**	59*P5A060E17**14	23,800	12.5	15.0
4113816	38HDR024−32	CNPV*3117A**	OVLAAB036098	23,800	12.0	14.5
4113815	38HDR024−32	CNPV*3117A**	OVMAAB036098	23,800	12.0	14.5
4113817	38HDR024−32	CNPV*3117A**	OVMAAB042112	23,800	12.0	14.5
3667086	38HDR024−32	CNPV*3117A**+TDR		23,600	11.0	13.0
3465562	38HDR024−32	CSPH*2412A**	58CV(A,X)070−12	23,400	11.5	14.0
3465563	38HDR024−32	CSPH*2412A**	58CV(A,X)090−16	23,400	11.5	14.0
3465564	38HDR024−32	CSPH*2412A**	58CV(A,X)110−20	23,400	11.5	14.0
3465565	38HDR024−32	CSPH*2412A**	58CV(A,X)135−22	23,400	11.5	14.0
3465566	38HDR024−32	CSPH*2412A**	58CV(A,X)155−22	23,400	11.5	14.0
3667111	38HDR024−32	CSPH*2412A**	58HDV040−−12	23,400	11.5	14.0
3667112	38HDR024−32	CSPH*2412A**	58HDV060−−12	23,400	11.5	14.0
3667113	38HDR024−32	CSPH*2412A**	58HDV080−−20	23,400	11.5	14.0
3667114	38HDR024−32	CSPH*2412A**	58HDV100−−20	23,400	11.5	14.0
3613500	38HDR024−32	CSPH*2412A**	58ME(B,C)040−12	23,400	12.0	14.5
3465569	38HDR024−32	CSPH*2412A**	58ME(B,C)060−12	23,400	12.0	14.5
3465570	38HDR024−32	CSPH*2412A**	58ME(B,C)080−12	23,400	12.0	14.5
3465568	38HDR024−32	CSPH*2412A**	58MEB040−12	23,400	12.0	14.5
3465557	38HDR024−32	CSPH*2412A**	58MV(B,C)060−14	23,400	11.5	14.0
3465558	38HDR024−32	CSPH*2412A**	58MV(B,C)080−14	23,400	11.5	14.0
3465559	38HDR024−32	CSPH*2412A**	58MV(B,C)080−20	23,400	11.5	14.0
3465560	38HDR024−32	CSPH*2412A**	58MV(B,C)100−20	23,400	11.5	14.0
3465561	38HDR024−32	CSPH*2412A**	58MV(B,C)120−20	23,400	11.5	14.0
3465556	38HDR024−32	CSPH*2412A**	58MVB040−14	23,400	11.5	14.0
3465567	38HDR024−32	CSPH*2412A**	58PH*045−08	23,400	11.5	14.0
4113841	38HDR024−32	CSPH*2412A**	58VLR105−12	23,600	12.0	14.5
4113840	38HDR024−32	CSPH*2412A**	58VMR105−12	23,600	12.0	14.5
4744136	38HDR024−32	CSPH*2412A**	59*N*A060V17**14	23,400	12.0	14.5
4744137	38HDR024−32	CSPH*2412A**	59*N*A080V17**14	23,200	12.0	14.5
4744138	38HDR024−32	CSPH*2412A**	59*N*A100V21**20	23,600	12.0	14.5
4744139	38HDR024−32	CSPH*2412A**	59*N*A120V24**22	23,600	12.0	14.5
4744140	38HDR024−32	CSPH*2412A**	59*P5A040E14**10	23,400	11.2	13.5
4744141	38HDR024−32	CSPH*2412A**	59*P5A060E17**14	23,200	12.0	14.5
4113843	38HDR024−32	CSPH*2412A**	OVLAAB036098	23,600	12.0	14.5
4113842	38HDR024−32	CSPH*2412A**	OVMAAB036098	23,600	12.0	14.5
4113844	38HDR024−32	CSPH*2412A**	OVMAAB042112	23,600	12.0	14.5
3465555	38HDR024−32	CSPH*2412A**+TDR		23,400	11.0	13.0
3465578	38HDR024−32	CSPH*3012A**	58CV(A,X)070−12	23,600	11.5	14.0
3465579	38HDR024−32	CSPH*3012A**	58CV(A,X)090−16	23,600	11.5	14.0
3465580	38HDR024−32	CSPH*3012A**	58CV(A,X)110−20	23,600	11.5	14.0
3465581	38HDR024−32	CSPH*3012A**	58CV(A,X)135−22	23,600	11.5	14.0
3465582	38HDR024−32	CSPH*3012A**	58CV(A,X)155−22	23,600	11.5	14.0
3667115	38HDR024−32	CSPH*3012A**	58HDV040−−12	23,600	11.5	14.0
3667116	38HDR024−32	CSPH*3012A**	58HDV060−−12	23,600	11.5	14.0
3667117	38HDR024−32	CSPH*3012A**	58HDV080−−20	23,600	11.5	14.0
3667118	38HDR024−32	CSPH*3012A**	58HDV100−−20	23,600	11.5	14.0
3613501	38HDR024−32	CSPH*3012A**	58ME(B,C)040−12	23,600	12.0	14.5
3465585	38HDR024−32	CSPH*3012A**	58ME(B,C)060−12	23,600	12.0	14.5
3465586	38HDR024−32	CSPH*3012A**	58ME(B,C)080−12	23,600	12.0	14.5
3465584	38HDR024−32	CSPH*3012A**	58MEB040−12	23,600	12.0	14.5
3465573	38HDR024−32	CSPH*3012A**	58MV(B,C)060−14	23,600	11.5	14.0

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3465574	38HDR024−32	CSPH*3012A**	58MV(B,C)080−14	23,600	11.5	14.0
3465575	38HDR024−32	CSPH*3012A**	58MV(B,C)080−20	23,400	11.5	14.0
3465576	38HDR024−32	CSPH*3012A**	58MV(B,C)100−20	23,600	11.5	14.0
3465577	38HDR024−32	CSPH*3012A**	58MV(B,C)120−20	23,600	11.5	14.0
3465572	38HDR024−32	CSPH*3012A**	58MVB040−14	23,600	11.5	14.0
3465583	38HDR024−32	CSPH*3012A**	58PH*045−08	23,600	12.0	14.5
4113846	38HDR024−32	CSPH*3012A**	58VLR105−12	23,600	12.0	14.5
4113845	38HDR024−32	CSPH*3012A**	58VMR105−12	23,600	12.0	14.5
4744142	38HDR024−32	CSPH*3012A**	59*N*A060V17**14	23,400	12.0	14.5
4744143	38HDR024−32	CSPH*3012A**	59*N*A080V17**14	23,400	12.0	14.5
4744144	38HDR024−32	CSPH*3012A**	59*N*A100V21**20	23,600	12.0	14.5
4744145	38HDR024−32	CSPH*3012A**	59*N*A120V24**22	23,600	12.5	15.0
4744146	38HDR024−32	CSPH*3012A**	59*P5A040E14**10	23,600	11.4	13.7
4744147	38HDR024−32	CSPH*3012A**	59*P5A060E17**14	23,400	12.0	14.5
4113848	38HDR024−32	CSPH*3012A**	OVLAAB036098	23,600	12.0	14.5
4113847	38HDR024−32	CSPH*3012A**	OVMAAB036098	23,600	12.0	14.5
4113849	38HDR024−32	CSPH*3012A**	OVMAAB042112	23,600	12.0	14.5
3465571	38HDR024−32	CSPH*3012A**+TDR		23,600	11.0	13.0
4084963	38HDR024−32	FB4CNF024+TXV		23,400	11.5	14.0
4084964	38HDR024−32	FB4CNF030+TXV		23,800	12.0	14.5
3465594	38HDR024−32	FE4AN(B,F)003+UI		23,800	12.0	14.5
3465592	38HDR024−32	FE4ANF002+UI		23,600	12.0	14.5
3465596	38HDR024−32	FE5ANB004+UI		24,000	12.0	14.5
3465597	38HDR024−32	FF1ENP024		22,800	11.0	13.0
3465606	38HDR024−32	FF1ENP025		23,400	11.5	14.0
3465600	38HDR024−32	FF1ENP030		23,000	11.0	13.0
3465608	38HDR024−32	FF1ENP031		23,600	11.5	14.0
3465609	38HDR024−32	FF1ENP037		23,800	11.5	14.0
3465613	38HDR024−32	FV4CN(B,F)003		23,800	12.0	14.5
3465611	38HDR024−32	FV4CNF002		23,600	12.0	14.5
3752239	38HDR024−32	FX4DN(B,F)031		23,800	12.0	14.5
3752240	38HDR024−32	FX4DN(B,F)037		24,000	13.0	15.0
3752238	38HDR024−32	FX4DNF025		23,600	12.0	14.5
4084965	38HDR024−32	FY5BNF024+TXV		23,400	11.5	14.0
4084966	38HDR024−32	FY5BNF030+TXV		23,800	11.5	14.0
3667122	38HDR030−31	†CNPV*3014A**+TDR		28,000	11.0	13.0
4084354	38HDR030−31	CAP**3014A**	58CV(A,X)070−12	28,000	11.5	14.0
4084355	38HDR030−31	CAP**3014A**+TDR		28,000	11.0	13.0
4084356	38HDR030−31	CAP**3017A**	58CV(A,X)070−12	28,000	11.5	14.0
4084357	38HDR030−31	CAP**3017A**	58CV(A,X)090−16	28,000	11.5	14.0
4084134	38HDR030−31	CAP**3017A**	58ME(B,C)040−12	28,000	12.0	14.5
4084135	38HDR030−31	CAP**3017A**	58ME(B,C)060−12	28,000	12.0	14.5
4084136	38HDR030−31	CAP**3017A**	58ME(B,C)080−12	28,000	12.0	14.5
4084137	38HDR030−31	CAP**3017A**	58ME(B,C)080−16	28,000	12.0	14.5
4084138	38HDR030−31	CAP**3017A**	58MEB040−12	28,000	12.0	14.5
4084358	38HDR030−31	CAP**3017A**	58MV(B,C)060−14	28,000	11.5	14.0
4084139	38HDR030−31	CAP**3017A**	58PH*070−16	28,000	11.5	14.0
4084140	38HDR030−31	CAP**3017A**	58UVB060−14	28,000	11.5	14.0
4113851	38HDR030−31	CAP**3017A**	58VLR105−12	28,000	12.0	14.5
4113850	38HDR030−31	CAP**3017A**	58VMR105−12	28,000	12.0	14.5
4744148	38HDR030−31	CAP**3017A**	59*N*A060V17**14	28,400	12.0	14.5
4744149	38HDR030−31	CAP**3017A**	59*N*A080V17**14	28,600	12.0	14.5
4744150	38HDR030−31	CAP**3017A**	59*P5A060E17**14	28,600	12.0	14.5
4744151	38HDR030−31	CAP**3017A**	59*P5A080E17**16	28,800	12.0	14.5
4113853	38HDR030−31	CAP**3017A**	OVLAAB036098	28,000	12.0	14.5
4113852	38HDR030−31	CAP**3017A**	OVMAAB036098	28,000	12.0	14.5
4113854	38HDR030−31	CAP**3017A**	OVMAAB042112	28,000	12.0	14.5
4084359	38HDR030−31	CAP**3017A**+TDR		28,000	11.0	13.0
4084360	38HDR030−31	CAP**3614A**	58CV(A,X)070−12	28,600	11.5	14.0
4084361	38HDR030−31	CAP**3614A**+TDR		28,600	11.0	13.0
4084362	38HDR030−31	CAP**3617A**	58CV(A,X)070−12	28,600	11.5	14.0
4084363	38HDR030−31	CAP**3617A**	58CV(A,X)090−16	28,600	11.5	14.0
4084141	38HDR030−31	CAP**3617A**	58ME(B,C)040−12	28,600	12.0	14.5
4084142	38HDR030−31	CAP**3617A**	58ME(B,C)060−12	28,600	12.0	14.5
4084143	38HDR030−31	CAP**3617A**	58ME(B,C)080−12	28,600	12.0	14.5
4084144	38HDR030−31	CAP**3617A**	58ME(B,C)080−16	28,600	12.0	14.5
4084145	38HDR030−31	CAP**3617A**	58MEB040−12	28,600	12.0	14.5
4084364	38HDR030−31	CAP**3617A**	58MV(B,C)060−14	28,600	11.5	14.0
4084146	38HDR030−31	CAP**3617A**	58PH*070−16	28,600	12.0	14.5
4084147	38HDR030−31	CAP**3617A**	58UVB060−14	28,600	11.5	14.0
4113856	38HDR030−31	CAP**3617A**	58VLR105−12	28,400	12.0	14.5
4113855	38HDR030−31	CAP**3617A**	58VMR105−12	28,400	12.0	14.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4744152	38HDR030−31	CAP**3617A**	59*N*A060V17**14	28,600	12.0	14.5
4744153	38HDR030−31	CAP**3617A**	59*N*A080V17**14	28,600	12.0	14.5
4744154	38HDR030−31	CAP**3617A**	59*P5A060E17**14	28,800	12.0	14.5
4744155	38HDR030−31	CAP**3617A**	59*P5A080E17**16	29,000	12.0	14.5
4113858	38HDR030−31	CAP**3617A**	OVLAAB036098	28,400	12.0	14.5
4113857	38HDR030−31	CAP**3617A**	OVMAAB036098	28,400	12.0	14.5
4113859	38HDR030−31	CAP**3617A**	OVMAAB042112	28,400	12.0	14.5
4084365	38HDR030−31	CAP**3617A**+TDR		28,600	11.0	13.0
3667124	38HDR030−31	CAP**3619A**	58HDV040−−12	28,000	11.5	14.0
3667125	38HDR030−31	CAP**3619A**	58HDV060−−12	28,000	11.5	14.0
4744161	38HDR030−31	CAP**3619A**	59*N*A060V17**14	28,600	12.0	14.5
4744162	38HDR030−31	CAP**3619A**	59*N*A080V17**14	28,600	12.0	14.5
4744163	38HDR030−31	CAP**3619A**	59*N*A100V21**20	28,800	12.0	14.5
4744164	38HDR030−31	CAP**3619A**	59*P5A060E17**14	28,800	12.0	14.5
4744165	38HDR030−31	CAP**3619A**	59*P5A080E17**16	29,000	12.0	14.5
3667123	38HDR030−31	CAP**3619A**+TDR		28,000	11.0	13.0
4084366	38HDR030−31	CAP**3621A**	58CV(A,X)090−16	28,600	11.5	14.0
4084367	38HDR030−31	CAP**3621A**	58CV(A,X)110−20	28,600	11.5	14.0
4084368	38HDR030−31	CAP**3621A**	58MV(B,C)060−14	28,600	11.5	14.0
4084369	38HDR030−31	CAP**3621A**	58MV(B,C)080−14	28,600	11.5	14.0
4084370	38HDR030−31	CAP**3621A**	58MV(B,C)080−20	28,600	11.5	14.0
4084371	38HDR030−31	CAP**3621A**	58MV(B,C)100−20	28,600	11.5	14.0
4084148	38HDR030−31	CAP**3621A**	58PH*090−16	28,600	12.0	14.5
4084149	38HDR030−31	CAP**3621A**	58UVB060−14	28,600	11.5	14.0
4084150	38HDR030−31	CAP**3621A**	58UVB080−14	28,600	11.5	14.0
4084151	38HDR030−31	CAP**3621A**	58UVB080−20	28,600	11.5	14.0
4084152	38HDR030−31	CAP**3621A**	58UVB100−20	28,600	11.5	14.0
4744156	38HDR030−31	CAP**3621A**	59*N*A060V17**14	28,600	12.0	14.5
4744157	38HDR030−31	CAP**3621A**	59*N*A080V17**14	28,600	12.0	14.5
4744158	38HDR030−31	CAP**3621A**	59*N*A100V21**20	28,800	12.5	15.0
4744159	38HDR030−31	CAP**3621A**	59*P5A060E17**14	28,800	12.0	14.5
4744160	38HDR030−31	CAP**3621A**	59*P5A080E17**16	29,000	12.0	14.5
4113860	38HDR030−31	CAP**3621A**	OVLAAB048112	28,400	12.0	14.5
4084372	38HDR030−31	CAP**3621A**+TDR		28,600	11.0	13.0
3667165	38HDR030−31	CAP**4823A**	58HDV080−−20	28,600	12.5	15.0
3667164	38HDR030−31	CAP**4823A**+TDR		28,600	11.0	13.0
4084374	38HDR030−31	CNPH*3017A**	58CV(A,X)070−12	28,000	11.5	14.0
4084375	38HDR030−31	CNPH*3017A**	58CV(A,X)090−16	28,000	11.5	14.0
4084376	38HDR030−31	CNPH*3017A**	58CV(A,X)110−20	28,000	11.5	14.0
4084377	38HDR030−31	CNPH*3017A**	58CV(A,X)135−22	28,000	11.5	14.0
4084378	38HDR030−31	CNPH*3017A**	58CV(A,X)155−22	28,000	11.5	14.0
4113882	38HDR030−31	CNPH*3017A**	58HDV040−−12	28,000	11.5	14.0
4113883	38HDR030−31	CNPH*3017A**	58HDV060−−12	28,000	12.0	14.5
4113884	38HDR030−31	CNPH*3017A**	58HDV080−−20	28,000	12.0	14.5
4113885	38HDR030−31	CNPH*3017A**	58HDV100−−20	28,000	12.0	14.5
4084153	38HDR030−31	CNPH*3017A**	58ME(B,C)040−12	28,000	12.0	14.5
4084154	38HDR030−31	CNPH*3017A**	58ME(B,C)060−12	28,000	12.0	14.5
4084155	38HDR030−31	CNPH*3017A**	58ME(B,C)080−12	28,000	12.0	14.5
4084156	38HDR030−31	CNPH*3017A**	58ME(B,C)080−16	28,000	12.0	14.5
4084157	38HDR030−31	CNPH*3017A**	58MEB040−12	28,000	12.0	14.5
4084379	38HDR030−31	CNPH*3017A**	58MV(B,C)060−14	28,000	11.5	14.0
4084380	38HDR030−31	CNPH*3017A**	58MV(B,C)080−14	28,000	11.5	14.0
4084381	38HDR030−31	CNPH*3017A**	58MV(B,C)080−20	28,000	11.5	14.0
4084382	38HDR030−31	CNPH*3017A**	58MV(B,C)100−20	28,000	11.5	14.0
4084383	38HDR030−31	CNPH*3017A**	58MV(B,C)120−20	28,000	11.5	14.0
4084158	38HDR030−31	CNPH*3017A**	58PH*070−16	28,000	11.5	14.0
4084159	38HDR030−31	CNPH*3017A**	58PH*090−16	28,000	11.5	14.0
4113887	38HDR030−31	CNPH*3017A**	58VLR105−12	28,000	12.0	14.5
4113886	38HDR030−31	CNPH*3017A**	58VMR105−12	28,000	12.0	14.5
4744187	38HDR030−31	CNPH*3017A**	59*N*A060V17**14	28,400	12.0	14.5
4744188	38HDR030−31	CNPH*3017A**	59*N*A080V17**14	28,600	12.0	14.5
4744189	38HDR030−31	CNPH*3017A**	59*N*A100V21**20	28,800	12.0	14.5
4744190	38HDR030−31	CNPH*3017A**	59*N*A120V24**22	28,600	12.0	14.5
4744191	38HDR030−31	CNPH*3017A**	59*P5A060E17**14	28,600	12.0	14.5
4744192	38HDR030−31	CNPH*3017A**	59*P5A080E17**16	28,800	12.0	14.5
4113889	38HDR030−31	CNPH*3017A**	OVLAAB036098	28,000	12.0	14.5
4113891	38HDR030−31	CNPH*3017A**	OVLAAB048112	28,000	12.0	14.5
4113888	38HDR030−31	CNPH*3017A**	OVMAAB036098	28,000	12.0	14.5
4113890	38HDR030−31	CNPH*3017A**	OVMAAB042112	28,000	12.0	14.5
4084384	38HDR030−31	CNPH*3017A**+TDR		28,000	11.0	13.0
3667141	38HDR030−31	CNPH*3117A**	58CV(A,X)070−12	28,000	12.5	15.0
3667142	38HDR030−31	CNPH*3117A**	58CV(A,X)090−16	28,000	12.5	15.0
3667143	38HDR030−31	CNPH*3117A**	58CV(A,X)110−20	28,000	12.5	15.0

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3667144	38HDR030−31	CNPH*3117A**	58CV(A,X)135−22	28,000	12.5	15.0
3667145	38HDR030−31	CNPH*3117A**	58CV(A,X)155−22	28,000	12.5	15.0
3667152	38HDR030−31	CNPH*3117A**	58HDV040−−12	28,000	11.5	14.0
3667153	38HDR030−31	CNPH*3117A**	58HDV060−−12	28,000	11.5	14.0
3667154	38HDR030−31	CNPH*3117A**	58HDV080−−20	28,000	12.0	14.5
3667155	38HDR030−31	CNPH*3117A**	58HDV100−−20	28,000	12.0	14.5
3716373	38HDR030−31	CNPH*3117A**	58ME(B,C)060−12	28,000	12.5	15.0
3716374	38HDR030−31	CNPH*3117A**	58ME(B,C)080−12	28,000	12.5	15.0
3716375	38HDR030−31	CNPH*3117A**	58ME(B,C)080−16	28,000	12.5	15.0
3667148	38HDR030−31	CNPH*3117A**	58MEB040−12	28,000	12.5	15.0
3667136	38HDR030−31	CNPH*3117A**	58MV(B,C)060−14	28,000	12.5	15.0
3667137	38HDR030−31	CNPH*3117A**	58MV(B,C)080−14	28,000	12.5	15.0
3667138	38HDR030−31	CNPH*3117A**	58MV(B,C)080−20	28,000	12.5	15.0
3667139	38HDR030−31	CNPH*3117A**	58MV(B,C)100−20	28,000	12.5	15.0
3667140	38HDR030−31	CNPH*3117A**	58MV(B,C)120−20	28,000	12.5	15.0
3667135	38HDR030−31	CNPH*3117A**	58MVB040−14	28,000	12.5	15.0
3667146	38HDR030−31	CNPH*3117A**	58PH*070−16	28,000	12.0	14.5
3667147	38HDR030−31	CNPH*3117A**	58PH*090−16	28,000	12.0	14.5
4113893	38HDR030−31	CNPH*3117A**	58VLR105−12	28,000	12.0	14.5
4113892	38HDR030−31	CNPH*3117A**	58VMR105−12	28,000	12.0	14.5
4744193	38HDR030−31	CNPH*3117A**	59*N*A060V17**14	29,200	12.5	15.0
4744194	38HDR030−31	CNPH*3117A**	59*N*A080V17**14	29,200	12.5	15.2
4744195	38HDR030−31	CNPH*3117A**	59*N*A100V21**20	29,400	12.5	15.2
4744196	38HDR030−31	CNPH*3117A**	59*N*A120V24**22	29,400	12.5	15.2
4744197	38HDR030−31	CNPH*3117A**	59*P5A060E17**14	29,400	12.5	15.0
4744198	38HDR030−31	CNPH*3117A**	59*P5A080E17**16	29,600	12.5	15.0
4113895	38HDR030−31	CNPH*3117A**	OVLAAB036098	28,000	12.0	14.5
4113897	38HDR030−31	CNPH*3117A**	OVLAAB048112	28,000	12.0	14.5
4113894	38HDR030−31	CNPH*3117A**	OVMAAB036098	28,000	12.0	14.5
4113896	38HDR030−31	CNPH*3117A**	OVMAAB042112	28,000	12.0	14.5
3667134	38HDR030−31	CNPH*3117A**+TDR		28,000	11.0	13.0
4084385	38HDR030−31	CNPH*3617A**	58CV(A,X)070−12	28,600	11.5	14.0
4084386	38HDR030−31	CNPH*3617A**	58CV(A,X)090−16	28,600	11.5	14.0
4084387	38HDR030−31	CNPH*3617A**	58CV(A,X)110−20	28,600	11.5	14.0
4084388	38HDR030−31	CNPH*3617A**	58CV(A,X)135−22	28,600	11.5	14.0
4084389	38HDR030−31	CNPH*3617A**	58CV(A,X)155−22	28,600	11.5	14.0
4113898	38HDR030−31	CNPH*3617A**	58HDV040−−12	28,400	11.5	14.0
4113899	38HDR030−31	CNPH*3617A**	58HDV060−−12	28,400	12.0	14.5
4113900	38HDR030−31	CNPH*3617A**	58HDV080−−20	28,400	12.0	14.5
4113901	38HDR030−31	CNPH*3617A**	58HDV100−−20	28,400	12.0	14.5
4084160	38HDR030−31	CNPH*3617A**	58ME(B,C)040−12	28,600	12.0	14.5
4084161	38HDR030−31	CNPH*3617A**	58ME(B,C)060−12	28,600	12.0	14.5
4084162	38HDR030−31	CNPH*3617A**	58ME(B,C)080−12	28,600	12.0	14.5
4084163	38HDR030−31	CNPH*3617A**	58ME(B,C)080−16	28,600	12.0	14.5
4084164	38HDR030−31	CNPH*3617A**	58MEB040−12	28,600	12.0	14.5
4084390	38HDR030−31	CNPH*3617A**	58MV(B,C)060−14	28,600	11.5	14.0
4084391	38HDR030−31	CNPH*3617A**	58MV(B,C)080−14	28,600	11.5	14.0
4084392	38HDR030−31	CNPH*3617A**	58MV(B,C)080−20	28,600	11.5	14.0
4084393	38HDR030−31	CNPH*3617A**	58MV(B,C)100−20	28,600	11.5	14.0
4084394	38HDR030−31	CNPH*3617A**	58MV(B,C)120−20	28,600	11.5	14.0
4084165	38HDR030−31	CNPH*3617A**	58PH*070−16	28,600	12.0	14.5
4084166	38HDR030−31	CNPH*3617A**	58PH*090−16	28,600	12.0	14.5
4113903	38HDR030−31	CNPH*3617A**	58VLR105−12	28,400	12.0	14.5
4113902	38HDR030−31	CNPH*3617A**	58VMR105−12	28,400	12.0	14.5
4744199	38HDR030−31	CNPH*3617A**	59*N*A060V17**14	28,400	12.0	14.5
4744200	38HDR030−31	CNPH*3617A**	59*N*A080V17**14	28,600	12.0	14.5
4744201	38HDR030−31	CNPH*3617A**	59*N*A100V21**20	28,800	12.0	14.5
4744202	38HDR030−31	CNPH*3617A**	59*N*A120V24**22	28,600	12.0	14.5
4744203	38HDR030−31	CNPH*3617A**	59*P5A060E17**14	28,600	12.0	14.5
4744204	38HDR030−31	CNPH*3617A**	59*P5A080E17**16	28,800	12.0	14.5
4113905	38HDR030−31	CNPH*3617A**	OVLAAB036098	28,400	12.0	14.5
4113907	38HDR030−31	CNPH*3617A**	OVLAAB048112	28,400	12.0	14.5
4113904	38HDR030−31	CNPH*3617A**	OVMAAB036098	28,400	12.0	14.5
4113906	38HDR030−31	CNPH*3617A**	OVMAAB042112	28,400	12.0	14.5
4084395	38HDR030−31	CNPH*3617A**+TDR		28,600	11.0	13.0
4084396	38HDR030−31	CNPV*3014A**	58CV(A,X)070−12	28,000	11.5	14.0
4084397	38HDR030−31	CNPV*3017A**	58CV(A,X)070−12	28,000	11.5	14.0
4084398	38HDR030−31	CNPV*3017A**	58CV(A,X)090−16	28,000	11.5	14.0
4129751	38HDR030−31	CNPV*3017A**	58HDV040−−12	28,000	11.5	14.0
4129752	38HDR030−31	CNPV*3017A**	58HDV060−−12	28,000	12.0	14.5
4084167	38HDR030−31	CNPV*3017A**	58ME(B,C)040−12	28,000	12.0	14.5
4084168	38HDR030−31	CNPV*3017A**	58ME(B,C)060−12	28,000	12.0	14.5
4084169	38HDR030−31	CNPV*3017A**	58ME(B,C)080−12	28,000	12.0	14.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4084170	38HDR030−31	CNPV*3017A**	58ME(B,C)080−16	28,000	12.0	14.5
4084171	38HDR030−31	CNPV*3017A**	58MEB040−12	28,000	12.0	14.5
4084399	38HDR030−31	CNPV*3017A**	58MV(B,C)060−14	28,000	11.5	14.0
4084172	38HDR030−31	CNPV*3017A**	58PH*070−16	28,000	11.5	14.0
4084173	38HDR030−31	CNPV*3017A**	58UVB060−14	28,000	11.5	14.0
4113862	38HDR030−31	CNPV*3017A**	58VLR105−12	28,000	12.0	14.5
4113861	38HDR030−31	CNPV*3017A**	58VMR105−12	28,000	12.0	14.5
4744166	38HDR030−31	CNPV*3017A**	59*N*A060V17**14	28,400	12.0	14.5
4744167	38HDR030−31	CNPV*3017A**	59*N*A080V17**14	28,600	12.0	14.5
4744168	38HDR030−31	CNPV*3017A**	59*P5A060E17**14	28,600	12.0	14.5
4744169	38HDR030−31	CNPV*3017A**	59*P5A080E17**16	28,800	12.0	14.5
4113864	38HDR030−31	CNPV*3017A**	OVLAAB036098	28,000	12.0	14.5
4113863	38HDR030−31	CNPV*3017A**	OVMAAB036098	28,000	12.0	14.5
4113865	38HDR030−31	CNPV*3017A**	OVMAAB042112	28,000	12.0	14.5
4084400	38HDR030−31	CNPV*3017A**+TDR		28,000	11.0	13.0
3667128	38HDR030−31	CNPV*3117A**	58CV(A,X)090−16	28,000	12.5	15.0
4129753	38HDR030−31	CNPV*3117A**	58HDV040−−12	28,000	12.0	14.5
4129754	38HDR030−31	CNPV*3117A**	58HDV060−−12	28,000	12.0	14.5
3716370	38HDR030−31	CNPV*3117A**	58ME(B,C)060−12	28,000	12.5	15.0
3716371	38HDR030−31	CNPV*3117A**	58ME(B,C)080−12	28,000	12.5	15.0
3716372	38HDR030−31	CNPV*3117A**	58ME(B,C)080−16	28,000	12.5	15.0
3667130	38HDR030−31	CNPV*3117A**	58MEB040−12	28,000	12.5	15.0
3667127	38HDR030−31	CNPV*3117A**	58MV(B,C)060−14	28,000	12.5	15.0
3667129	38HDR030−31	CNPV*3117A**	58PH*070−16	28,000	12.0	14.5
3716388	38HDR030−31	CNPV*3117A**	58UVB060−14	28,000	12.5	15.0
4113867	38HDR030−31	CNPV*3117A**	58VLR105−12	28,000	12.0	14.5
4113866	38HDR030−31	CNPV*3117A**	58VMR105−12	28,000	12.0	14.5
4744170	38HDR030−31	CNPV*3117A**	59*N*A060V17**14	29,200	12.5	15.0
4744171	38HDR030−31	CNPV*3117A**	59*N*A080V17**14	29,200	12.5	15.2
4744172	38HDR030−31	CNPV*3117A**	59*P5A060E17**14	29,400	12.5	15.0
4744173	38HDR030−31	CNPV*3117A**	59*P5A080E17**16	29,600	12.5	15.0
4113869	38HDR030−31	CNPV*3117A**	OVLAAB036098	28,000	12.0	14.5
4113868	38HDR030−31	CNPV*3117A**	OVMAAB036098	28,000	12.0	14.5
4113870	38HDR030−31	CNPV*3117A**	OVMAAB042112	28,000	12.0	14.5
3667126	38HDR030−31	CNPV*3117A**+TDR		28,000	11.0	13.0
4084401	38HDR030−31	CNPV*3617A**	58CV(A,X)070−12	28,600	11.5	14.0
4084402	38HDR030−31	CNPV*3617A**	58CV(A,X)090−16	28,600	11.5	14.0
4129755	38HDR030−31	CNPV*3617A**	58HDV040−−12	28,400	11.5	14.0
4129756	38HDR030−31	CNPV*3617A**	58HDV060−−12	28,400	11.5	14.5
4084174	38HDR030−31	CNPV*3617A**	58ME(B,C)040−12	28,600	12.0	14.5
4084175	38HDR030−31	CNPV*3617A**	58ME(B,C)060−12	28,600	12.0	14.5
4084176	38HDR030−31	CNPV*3617A**	58ME(B,C)080−12	28,600	12.0	14.5
4084177	38HDR030−31	CNPV*3617A**	58ME(B,C)080−16	28,600	12.0	14.5
4084178	38HDR030−31	CNPV*3617A**	58MEB040−12	28,600	12.0	14.5
4084403	38HDR030−31	CNPV*3617A**	58MV(B,C)060−14	28,600	11.5	14.0
4084179	38HDR030−31	CNPV*3617A**	58PH*070−16	28,600	12.0	14.5
4084180	38HDR030−31	CNPV*3617A**	58UVB060−14	28,600	11.5	14.0
4113872	38HDR030−31	CNPV*3617A**	58VLR105−12	28,400	12.0	14.5
4113871	38HDR030−31	CNPV*3617A**	58VMR105−12	28,400	12.0	14.5
4744174	38HDR030−31	CNPV*3617A**	59*N*A060V17**14	28,400	12.0	14.5
4744175	38HDR030−31	CNPV*3617A**	59*N*A080V17**14	28,600	12.0	14.5
4744176	38HDR030−31	CNPV*3617A**	59*P5A060E17**14	28,600	12.0	14.5
4744177	38HDR030−31	CNPV*3617A**	59*P5A080E17**16	28,800	12.0	14.5
4113874	38HDR030−31	CNPV*3617A**	OVLAAB036098	28,400	12.0	14.5
4113873	38HDR030−31	CNPV*3617A**	OVMAAB036098	28,400	12.0	14.5
4113875	38HDR030−31	CNPV*3617A**	OVMAAB042112	28,400	12.0	14.5
4084404	38HDR030−31	CNPV*3617A**+TDR		28,600	11.0	13.0
4084405	38HDR030−31	CNPV*3621A**	58CV(A,X)090−16	28,600	11.5	14.0
4084406	38HDR030−31	CNPV*3621A**	58CV(A,X)110−20	28,600	11.5	14.0
4129757	38HDR030−31	CNPV*3621A**	58HDV040−−12	28,400	11.5	14.0
4129758	38HDR030−31	CNPV*3621A**	58HDV060−−12	28,400	12.0	14.5
4129759	38HDR030−31	CNPV*3621A**	58HDV080−−20	28,000	12.0	14.5
4084407	38HDR030−31	CNPV*3621A**	58MV(B,C)060−14	28,600	11.5	14.0
4084408	38HDR030−31	CNPV*3621A**	58MV(B,C)080−14	28,600	11.5	14.0
4084409	38HDR030−31	CNPV*3621A**	58MV(B,C)080−20	28,600	11.5	14.0
4084410	38HDR030−31	CNPV*3621A**	58MV(B,C)100−20	28,600	11.5	14.0
4084181	38HDR030−31	CNPV*3621A**	58PH*090−16	28,600	12.0	14.5
4084182	38HDR030−31	CNPV*3621A**	58UVB060−14	28,600	11.5	14.0
4084183	38HDR030−31	CNPV*3621A**	58UVB080−14	28,600	11.5	14.0
4084184	38HDR030−31	CNPV*3621A**	58UVB080−20	28,600	11.5	14.0
4084185	38HDR030−31	CNPV*3621A**	58UVB100−20	28,600	11.5	14.0
4744178	38HDR030−31	CNPV*3621A**	59*N*A060V17**14	28,400	12.0	14.5
4744179	38HDR030−31	CNPV*3621A**	59*N*A080V17**14	28,600	12.0	14.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4744180	38HDR030−31	CNPV*3621A**	59*N*A100V21**20	28,800	12.0	14.5
4744181	38HDR030−31	CNPV*3621A**	59*P5A060E17**14	28,600	12.0	14.5
4744182	38HDR030−31	CNPV*3621A**	59*P5A080E17**16	28,800	12.0	14.5
4113876	38HDR030−31	CNPV*3621A**	OVLAAB048112	28,400	12.0	14.5
4084411	38HDR030−31	CNPV*3621A**+TDR		28,600	11.0	13.0
3667168	38HDR030−31	CNPV*3717A**	58CV(A,X)090−16	28,400	12.5	15.0
4129760	38HDR030−31	CNPV*3717A**	58HDV040−−12	28,400	12.0	14.5
4129761	38HDR030−31	CNPV*3717A**	58HDV060−−12	28,400	12.0	14.5
3716376	38HDR030−31	CNPV*3717A**	58ME(B,C)060−12	28,400	12.5	15.0
3716377	38HDR030−31	CNPV*3717A**	58ME(B,C)080−12	28,400	12.5	15.0
3716378	38HDR030−31	CNPV*3717A**	58ME(B,C)080−16	28,400	12.5	15.0
3667170	38HDR030−31	CNPV*3717A**	58MEB040−12	28,400	12.5	15.0
3667167	38HDR030−31	CNPV*3717A**	58MV(B,C)060−14	28,400	12.5	15.0
3667169	38HDR030−31	CNPV*3717A**	58PH*070−16	28,400	12.5	15.0
3716389	38HDR030−31	CNPV*3717A**	58UVB060−14	28,400	12.5	15.0
4113878	38HDR030−31	CNPV*3717A**	58VLR105−12	28,400	12.0	14.5
4113877	38HDR030−31	CNPV*3717A**	58VMR105−12	28,400	12.0	14.5
4744183	38HDR030−31	CNPV*3717A**	59*N*A060V17**14	29,400	12.5	15.2
4744184	38HDR030−31	CNPV*3717A**	59*N*A080V17**14	29,600	12.5	15.2
4744185	38HDR030−31	CNPV*3717A**	59*P5A060E17**14	29,800	12.5	15.2
4744186	38HDR030−31	CNPV*3717A**	59*P5A080E17**16	30,000	12.5	15.2
4113880	38HDR030−31	CNPV*3717A**	OVLAAB036098	28,400	12.0	14.5
4113879	38HDR030−31	CNPV*3717A**	OVMAAB036098	28,400	12.0	14.5
4113881	38HDR030−31	CNPV*3717A**	OVMAAB042112	28,400	12.0	14.5
3667166	38HDR030−31	CNPV*3717A**+TDR		28,400	11.0	13.0
4084412	38HDR030−31	CSPH*3012A**	58CV(A,X)070−12	28,000	11.5	14.0
4084413	38HDR030−31	CSPH*3012A**	58CV(A,X)090−16	28,000	11.5	14.0
4084414	38HDR030−31	CSPH*3012A**	58CV(A,X)110−20	28,000	11.5	14.0
4084415	38HDR030−31	CSPH*3012A**	58CV(A,X)135−22	28,000	11.5	14.0
4084416	38HDR030−31	CSPH*3012A**	58CV(A,X)155−22	28,000	11.5	14.0
3667156	38HDR030−31	CSPH*3012A**	58HDV040−−12	28,000	11.5	14.0
3667157	38HDR030−31	CSPH*3012A**	58HDV060−−12	28,000	11.5	14.0
3667158	38HDR030−31	CSPH*3012A**	58HDV080−−20	28,000	12.0	14.5
3667159	38HDR030−31	CSPH*3012A**	58HDV100−−20	28,000	12.0	14.5
4084186	38HDR030−31	CSPH*3012A**	58ME(B,C)040−12	28,000	12.0	14.5
4084187	38HDR030−31	CSPH*3012A**	58ME(B,C)060−12	28,000	12.0	14.5
4084188	38HDR030−31	CSPH*3012A**	58ME(B,C)080−12	28,000	12.0	14.5
4084189	38HDR030−31	CSPH*3012A**	58ME(B,C)080−16	28,000	12.0	14.5
4084190	38HDR030−31	CSPH*3012A**	58MEB040−12	28,000	12.0	14.5
4084417	38HDR030−31	CSPH*3012A**	58MV(B,C)060−14	28,000	11.5	14.0
4084418	38HDR030−31	CSPH*3012A**	58MV(B,C)080−14	28,000	11.5	14.0
4084419	38HDR030−31	CSPH*3012A**	58MV(B,C)080−20	28,000	11.5	14.0
4084420	38HDR030−31	CSPH*3012A**	58MV(B,C)100−20	28,000	11.5	14.0
4084421	38HDR030−31	CSPH*3012A**	58MV(B,C)120−20	28,000	11.5	14.0
4084191	38HDR030−31	CSPH*3012A**	58PH*070−16	28,000	11.5	14.0
4084192	38HDR030−31	CSPH*3012A**	58PH*090−16	28,000	11.5	14.0
4113909	38HDR030−31	CSPH*3012A**	58VLR105−12	28,000	12.0	14.5
4113908	38HDR030−31	CSPH*3012A**	58VMR105−12	28,000	12.0	14.5
4744205	38HDR030−31	CSPH*3012A**	59*N*A060V17**14	28,600	12.0	14.5
4744206	38HDR030−31	CSPH*3012A**	59*N*A080V17**14	28,800	12.0	14.5
4744207	38HDR030−31	CSPH*3012A**	59*N*A100V21**20	29,000	12.0	14.5
4744208	38HDR030−31	CSPH*3012A**	59*N*A120V24**22	28,800	12.5	15.0
4744209	38HDR030−31	CSPH*3012A**	59*P5A060E17**14	28,800	12.0	14.5
4744210	38HDR030−31	CSPH*3012A**	59*P5A080E17**16	29,000	12.0	14.5
4113911	38HDR030−31	CSPH*3012A**	OVLAAB036098	28,000	12.0	14.5
4113913	38HDR030−31	CSPH*3012A**	OVLAAB048112	28,000	12.0	14.5
4113910	38HDR030−31	CSPH*3012A**	OVMAAB036098	28,000	12.0	14.5
4113912	38HDR030−31	CSPH*3012A**	OVMAAB042112	28,000	12.0	14.5
4084422	38HDR030−31	CSPH*3012A**+TDR		28,000	11.0	13.0
4084423	38HDR030−31	CSPH*3612A**	58CV(A,X)070−12	28,600	11.5	14.0
4084424	38HDR030−31	CSPH*3612A**	58CV(A,X)090−16	28,600	11.5	14.0
4084425	38HDR030−31	CSPH*3612A**	58CV(A,X)110−20	28,600	11.5	14.0
4084426	38HDR030−31	CSPH*3612A**	58CV(A,X)135−22	28,600	11.5	14.0
4084427	38HDR030−31	CSPH*3612A**	58CV(A,X)155−22	28,600	11.5	14.0
3667160	38HDR030−31	CSPH*3612A**	58HDV040−−12	28,400	12.0	14.5
3667161	38HDR030−31	CSPH*3612A**	58HDV060−−12	28,400	12.0	14.5
3667162	38HDR030−31	CSPH*3612A**	58HDV080−−20	28,400	12.5	15.0
3667163	38HDR030−31	CSPH*3612A**	58HDV100−−20	28,400	12.5	15.0
4084193	38HDR030−31	CSPH*3612A**	58ME(B,C)040−12	28,600	12.0	14.5
4084194	38HDR030−31	CSPH*3612A**	58ME(B,C)060−12	28,600	12.0	14.5
4084195	38HDR030−31	CSPH*3612A**	58ME(B,C)080−12	28,600	12.0	14.5
4084196	38HDR030−31	CSPH*3612A**	58ME(B,C)080−16	28,600	12.0	14.5
4084197	38HDR030−31	CSPH*3612A**	58MEB040−12	28,600	12.0	14.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4084428	38HDR030−31	CSPH*3612A**	58MV(B,C)060−14	28,600	11.5	14.0
4084429	38HDR030−31	CSPH*3612A**	58MV(B,C)080−14	28,600	11.5	14.0
4084430	38HDR030−31	CSPH*3612A**	58MV(B,C)080−20	28,600	11.5	14.0
4084431	38HDR030−31	CSPH*3612A**	58MV(B,C)100−20	28,600	11.5	14.0
4084432	38HDR030−31	CSPH*3612A**	58MV(B,C)120−20	28,600	11.5	14.0
4084198	38HDR030−31	CSPH*3612A**	58PH*070−16	28,600	12.0	14.5
4084199	38HDR030−31	CSPH*3612A**	58PH*090−16	28,600	12.0	14.5
4113915	38HDR030−31	CSPH*3612A**	58VLR105−12	28,400	12.0	14.5
4113914	38HDR030−31	CSPH*3612A**	58VMR105−12	28,000	12.0	14.5
4744211	38HDR030−31	CSPH*3612A**	59*N*A060V17**14	29,000	12.0	14.5
4744212	38HDR030−31	CSPH*3612A**	59*N*A080V17**14	29,200	12.5	15.0
4744213	38HDR030−31	CSPH*3612A**	59*N*A100V21**20	29,400	12.5	15.2
4744214	38HDR030−31	CSPH*3612A**	59*N*A120V24**22	29,400	12.5	15.2
4744215	38HDR030−31	CSPH*3612A**	59*P5A060E17**14	29,400	12.5	15.0
4744216	38HDR030−31	CSPH*3612A**	59*P5A080E17**16	29,600	12.5	15.0
4113917	38HDR030−31	CSPH*3612A**	OVLAAB036098	28,400	12.0	14.5
4113919	38HDR030−31	CSPH*3612A**	OVLAAB048112	28,400	12.0	14.5
4113916	38HDR030−31	CSPH*3612A**	OVMAAB036098	28,400	12.0	14.5
4113918	38HDR030−31	CSPH*3612A**	OVMAAB042112	28,400	12.0	14.5
4084433	38HDR030−31	CSPH*3612A**+TDR		28,600	11.0	13.0
4084105	38HDR030−31	FB4CNF030+TXV		28,400	12.0	14.5
4084106	38HDR030−31	FB4CNF036+TXV		28,800	12.0	14.5
4084434	38HDR030−31	FE4AN(B,F)003+UI		28,600	11.5	14.0
4084435	38HDR030−31	FE4AN(B,F)005+UI		29,000	12.5	15.0
4084436	38HDR030−31	FE4ANF002+UI		28,600	11.5	14.0
4084437	38HDR030−31	FF1ENP030		28,000	11.0	13.0
3813727	38HDR030−31	FF1ENP031		28,400	12.0	14.5
4084438	38HDR030−31	FF1ENP036		28,600	11.0	13.0
3813733	38HDR030−31	FF1ENP037		28,600	12.0	14.5
4084200	38HDR030−31	FV4CNF002		28,600	11.5	14.0
3752241	38HDR030−31	FX4DN(B,F)031		28,400	12.5	15.0
3752242	38HDR030−31	FX4DN(B,F)037		28,600	12.5	15.0
3752243	38HDR030−31	FX4DN(B,F)043		28,600	12.0	14.5
4084107	38HDR030−31	FY5BNF030+TXV		28,400	11.5	14.0
4084108	38HDR030−31	FY5BNF036+TXV		28,800	11.5	14.0
3667174	38HDR036−31	†CNPV*4221A**+TDR		33,400	11.0	13.0
4084444	38HDR036−31	CAP**3614A**	58CV(A,X)070−12	32,600	11.5	13.5
4084201	38HDR036−31	CAP**3614A**	58PH*045−08	33,000	11.5	14.0
4084445	38HDR036−31	CAP**3614A**+TDR		32,600	11.0	13.0
4084446	38HDR036−31	CAP**3617A**	58CV(A,X)070−12	33,000	11.5	14.0
4084447	38HDR036−31	CAP**3617A**	58CV(A,X)090−16	33,000	11.5	14.0
4084202	38HDR036−31	CAP**3617A**	58ME(B,C)040−12	33,000	12.0	14.5
4084203	38HDR036−31	CAP**3617A**	58ME(B,C)060−12	33,000	12.0	14.5
4084204	38HDR036−31	CAP**3617A**	58ME(B,C)080−12	33,000	12.0	14.5
4084205	38HDR036−31	CAP**3617A**	58ME(B,C)080−16	33,000	12.0	14.5
4084206	38HDR036−31	CAP**3617A**	58MEB040−12	33,000	12.0	14.5
4084448	38HDR036−31	CAP**3617A**	58MV(B,C)060−14	33,000	11.5	13.5
4084207	38HDR036−31	CAP**3617A**	58PH*070−16	33,000	11.5	14.0
4084208	38HDR036−31	CAP**3617A**	58UVB060−14	33,000	11.5	13.5
4113921	38HDR036−31	CAP**3617A**	58VLR105−12	33,200	12.0	14.5
4113920	38HDR036−31	CAP**3617A**	58VMR105−12	33,200	12.0	14.5
4744217	38HDR036−31	CAP**3617A**	59*N*A060V17**14	32,800	12.0	14.5
4744218	38HDR036−31	CAP**3617A**	59*N*A080V17**14	32,800	12.0	14.5
4744219	38HDR036−31	CAP**3617A**	59*P5A060E17**14	33,200	11.8	14.2
4744220	38HDR036−31	CAP**3617A**	59*P5A080E17**16	33,200	12.0	14.5
4113923	38HDR036−31	CAP**3617A**	OVLAAB036098	33,200	11.5	14.0
4113922	38HDR036−31	CAP**3617A**	OVMAAB036098	33,200	11.5	14.0
4113924	38HDR036−31	CAP**3617A**	OVMAAB042112	33,200	12.0	14.5
4084449	38HDR036−31	CAP**3617A**+TDR		33,000	11.0	13.0
3667176	38HDR036−31	CAP**3619A**	58HDV040−−12	33,200	11.0	13.5
3667177	38HDR036−31	CAP**3619A**	58HDV060−−12	33,200	11.5	14.0
4744233	38HDR036−31	CAP**3619A**	59*N*A060V17**14	32,800	12.0	14.5
4744234	38HDR036−31	CAP**3619A**	59*N*A080V17**14	32,800	12.0	14.5
4744235	38HDR036−31	CAP**3619A**	59*N*A100V21**20	33,000	12.0	14.5
4744236	38HDR036−31	CAP**3619A**	59*P5A060E17**14	33,200	11.8	14.2
4744237	38HDR036−31	CAP**3619A**	59*P5A080E17**16	33,200	12.0	14.5
3667175	38HDR036−31	CAP**3619A**+TDR		33,200	11.0	13.0
4084450	38HDR036−31	CAP**3621A**	58CV(A,X)090−16	33,000	11.5	14.0
4084451	38HDR036−31	CAP**3621A**	58CV(A,X)110−20	33,000	11.5	14.0
4084209	38HDR036−31	CAP**3621A**	58ME(B,C)100−20	33,000	12.0	14.5
4084452	38HDR036−31	CAP**3621A**	58MV(B,C)060−14	33,000	11.5	14.0
4084453	38HDR036−31	CAP**3621A**	58MV(B,C)080−14	33,000	11.5	13.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4084454	38HDR036−31	CAP**3621A**	58MV(B,C)080−20	33,000	11.5	13.5
4084455	38HDR036−31	CAP**3621A**	58MV(B,C)100−20	33,000	11.5	14.0
4084210	38HDR036−31	CAP**3621A**	58PH*090−16	33,000	12.0	14.5
4084211	38HDR036−31	CAP**3621A**	58PH*110−20	33,000	12.0	14.5
4084212	38HDR036−31	CAP**3621A**	58UVB060−14	33,000	11.5	14.0
4084213	38HDR036−31	CAP**3621A**	58UVB080−14	33,000	11.5	13.5
4084214	38HDR036−31	CAP**3621A**	58UVB080−20	33,000	11.5	13.5
4084215	38HDR036−31	CAP**3621A**	58UVB100−20	33,000	11.5	14.0
4113926	38HDR036−31	CAP**3621A**	58VLR120−20	33,200	12.0	14.5
4113925	38HDR036−31	CAP**3621A**	58VMR120−20	33,200	12.0	14.5
4744221	38HDR036−31	CAP**3621A**	59*N*A060V17**14	32,800	12.0	14.5
4744222	38HDR036−31	CAP**3621A**	59*N*A080V17**14	33,000	12.0	14.5
4744223	38HDR036−31	CAP**3621A**	59*N*A100V21**20	33,000	12.0	14.5
4744224	38HDR036−31	CAP**3621A**	59*P5A060E17**14	33,200	12.0	14.5
4744225	38HDR036−31	CAP**3621A**	59*P5A080E17**16	33,200	12.0	14.5
4113927	38HDR036−31	CAP**3621A**	OVLAAB048112	33,200	12.0	14.5
4084456	38HDR036−31	CAP**3621A**+TDR		33,000	11.0	13.0
4084457	38HDR036−31	CAP**4221A**	58CV(A,X)090−16	33,400	11.5	14.0
4084458	38HDR036−31	CAP**4221A**	58CV(A,X)110−20	33,400	11.5	14.0
4084216	38HDR036−31	CAP**4221A**	58ME(B,C)100−20	33,400	12.0	14.5
4084459	38HDR036−31	CAP**4221A**	58MV(B,C)060−14	33,400	11.5	14.0
4084460	38HDR036−31	CAP**4221A**	58MV(B,C)080−14	33,400	11.5	13.5
4084461	38HDR036−31	CAP**4221A**	58MV(B,C)080−20	33,400	11.5	14.0
4084462	38HDR036−31	CAP**4221A**	58MV(B,C)100−20	33,400	11.5	14.0
4084217	38HDR036−31	CAP**4221A**	58PH*090−16	33,400	12.0	14.5
4084218	38HDR036−31	CAP**4221A**	58PH*110−20	33,400	12.0	14.5
4084219	38HDR036−31	CAP**4221A**	58UVB060−14	33,400	11.5	14.0
4084220	38HDR036−31	CAP**4221A**	58UVB080−14	33,400	11.5	13.5
4084221	38HDR036−31	CAP**4221A**	58UVB080−20	33,400	11.5	14.0
4084222	38HDR036−31	CAP**4221A**	58UVB100−20	33,400	11.5	14.0
4113929	38HDR036−31	CAP**4221A**	58VLR120−20	33,400	12.0	14.5
4113928	38HDR036−31	CAP**4221A**	58VMR120−20	33,400	12.0	14.5
4744226	38HDR036−31	CAP**4221A**	59*N*A060V17**14	33,000	12.0	14.5
4744227	38HDR036−31	CAP**4221A**	59*N*A080V17**14	33,200	12.0	14.5
4744228	38HDR036−31	CAP**4221A**	59*N*A100V21**20	33,200	12.5	15.0
4744229	38HDR036−31	CAP**4221A**	59*P5A060E17**14	33,400	12.0	14.5
4744230	38HDR036−31	CAP**4221A**	59*P5A080E17**16	33,400	12.0	14.5
4113930	38HDR036−31	CAP**4221A**	OVLAAB048112	33,400	12.0	14.5
4084463	38HDR036−31	CAP**4221A**+TDR		33,400	11.0	13.0
4084464	38HDR036−31	CAP**4224A**	58CV(A,X)110−20	33,400	11.5	14.0
4084465	38HDR036−31	CAP**4224A**	58CV(A,X)135−22	33,400	11.5	14.0
4084466	38HDR036−31	CAP**4224A**	58CV(A,X)155−22	33,400	11.5	14.0
4113931	38HDR036−31	CAP**4224A**	58HDV100−−20	33,400	12.0	14.5
4084467	38HDR036−31	CAP**4224A**	58MV(B,C)080−14	33,400	11.5	14.0
4084468	38HDR036−31	CAP**4224A**	58MV(B,C)080−20	33,400	11.5	14.0
4084469	38HDR036−31	CAP**4224A**	58MV(B,C)100−20	33,400	11.5	14.0
4084470	38HDR036−31	CAP**4224A**	58MV(B,C)120−20	33,400	11.5	13.5
4084223	38HDR036−31	CAP**4224A**	58UVB080−14	33,400	11.5	14.0
4084224	38HDR036−31	CAP**4224A**	58UVB080−20	33,400	11.5	14.0
4084225	38HDR036−31	CAP**4224A**	58UVB100−20	33,400	11.5	14.0
4084226	38HDR036−31	CAP**4224A**	58UVB120−20	33,400	11.5	13.5
4744231	38HDR036−31	CAP**4224A**	59*N*A100V21**20	33,200	12.5	15.0
4744232	38HDR036−31	CAP**4224A**	59*N*A120V24**22	33,400	12.5	15.2
4084471	38HDR036−31	CAP**4224A**+TDR		33,400	11.0	13.0
3667226	38HDR036−31	CAP**4823A**	58HDV080−−20	34,000	12.5	15.0
3667225	38HDR036−31	CAP**4823A**+TDR		34,000	11.0	13.0
4084473	38HDR036−31	CNPH*3617A**	58CV(A,X)070−12	33,000	11.5	13.5
4084474	38HDR036−31	CNPH*3617A**	58CV(A,X)090−16	33,000	11.5	13.5
4084475	38HDR036−31	CNPH*3617A**	58CV(A,X)110−20	33,000	11.5	13.5
4084476	38HDR036−31	CNPH*3617A**	58CV(A,X)135−22	33,000	11.5	13.5
4084477	38HDR036−31	CNPH*3617A**	58CV(A,X)155−22	33,000	11.5	14.0
4113953	38HDR036−31	CNPH*3617A**	58HDV040−−12	33,000	11.5	13.5
4113954	38HDR036−31	CNPH*3617A**	58HDV060−−12	33,000	11.5	14.0
4113955	38HDR036−31	CNPH*3617A**	58HDV080−−20	33,000	12.0	14.5
4113956	38HDR036−31	CNPH*3617A**	58HDV100−−20	33,000	12.0	14.5
4084227	38HDR036−31	CNPH*3617A**	58ME(B,C)040−12	33,000	12.0	14.5
4084228	38HDR036−31	CNPH*3617A**	58ME(B,C)060−12	33,000	12.0	14.5
4084229	38HDR036−31	CNPH*3617A**	58ME(B,C)080−12	33,000	12.0	14.5
4084230	38HDR036−31	CNPH*3617A**	58ME(B,C)080−16	33,000	12.0	14.5
4084231	38HDR036−31	CNPH*3617A**	58ME(B,C)100−20	33,000	12.0	14.5
4084232	38HDR036−31	CNPH*3617A**	58MEB040−12	33,000	12.0	14.5
4084478	38HDR036−31	CNPH*3617A**	58MV(B,C)060−14	33,000	11.5	13.5
4084479	38HDR036−31	CNPH*3617A**	58MV(B,C)080−14	33,000	11.5	13.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4084480	38HDR036−31	CNPH*3617A**	58MV(B,C)080−20	33,000	11.5	13.5
4084481	38HDR036−31	CNPH*3617A**	58MV(B,C)100−20	33,000	11.5	13.5
4084482	38HDR036−31	CNPH*3617A**	58MV(B,C)120−20	33,000	11.5	13.5
4084233	38HDR036−31	CNPH*3617A**	58PH*045−08	33,000	11.5	14.0
4084234	38HDR036−31	CNPH*3617A**	58PH*070−16	33,000	11.5	14.0
4084235	38HDR036−31	CNPH*3617A**	58PH*090−16	33,000	12.0	14.5
4084236	38HDR036−31	CNPH*3617A**	58PH*110−20	33,000	12.0	14.5
4113958	38HDR036−31	CNPH*3617A**	58VLR105−12	33,000	12.0	14.5
4113960	38HDR036−31	CNPH*3617A**	58VLR120−20	33,000	12.0	14.5
4113957	38HDR036−31	CNPH*3617A**	58VMR105−12	33,000	12.0	14.5
4113959	38HDR036−31	CNPH*3617A**	58VMR120−20	33,000	12.0	14.5
4744262	38HDR036−31	CNPH*3617A**	59*N*A060V17**14	30,000	11.8	14.2
4744263	38HDR036−31	CNPH*3617A**	59*N*A080V17**14	32,800	12.0	14.5
4744264	38HDR036−31	CNPH*3617A**	59*N*A100V21**20	33,000	12.0	14.5
4744265	38HDR036−31	CNPH*3617A**	59*N*A120V24**22	33,000	12.0	14.5
4744266	38HDR036−31	CNPH*3617A**	59*P5A060E17**14	33,000	11.8	14.2
4744267	38HDR036−31	CNPH*3617A**	59*P5A080E17**16	33,000	12.0	14.5
4113962	38HDR036−31	CNPH*3617A**	OVLAAB036098	33,000	11.5	14.0
4113964	38HDR036−31	CNPH*3617A**	OVLAAB048112	33,000	11.5	14.0
4113961	38HDR036−31	CNPH*3617A**	OVMAAB036098	33,000	11.5	14.0
4113963	38HDR036−31	CNPH*3617A**	OVMAAB042112	33,000	12.0	14.5
4084483	38HDR036−31	CNPH*3617A**+TDR		33,000	11.0	13.0
4084484	38HDR036−31	CNPH*4221A**	58CV(A,X)070−12	33,400	11.5	14.0
4084485	38HDR036−31	CNPH*4221A**	58CV(A,X)090−16	33,400	11.5	14.5
4084486	38HDR036−31	CNPH*4221A**	58CV(A,X)110−20	33,400	11.5	14.5
4084487	38HDR036−31	CNPH*4221A**	58CV(A,X)135−22	33,400	11.5	14.5
4084488	38HDR036−31	CNPH*4221A**	58CV(A,X)155−22	33,400	11.5	14.5
4084237	38HDR036−31	CNPH*4221A**	58ME(B,C)040−12	33,400	12.0	14.5
4084238	38HDR036−31	CNPH*4221A**	58ME(B,C)060−12	33,400	12.0	14.5
4084239	38HDR036−31	CNPH*4221A**	58ME(B,C)080−12	33,400	12.0	14.5
4084240	38HDR036−31	CNPH*4221A**	58ME(B,C)080−16	33,400	12.0	14.5
4084241	38HDR036−31	CNPH*4221A**	58ME(B,C)100−20	33,400	12.0	14.5
4084242	38HDR036−31	CNPH*4221A**	58MEB040−12	33,400	12.0	14.5
4084489	38HDR036−31	CNPH*4221A**	58MV(B,C)060−14	33,400	11.5	14.0
4084490	38HDR036−31	CNPH*4221A**	58MV(B,C)080−14	33,400	11.5	14.0
4084491	38HDR036−31	CNPH*4221A**	58MV(B,C)080−20	33,400	11.5	14.0
4084492	38HDR036−31	CNPH*4221A**	58MV(B,C)100−20	33,400	11.5	14.0
4084493	38HDR036−31	CNPH*4221A**	58MV(B,C)120−20	33,400	11.5	14.5
4084243	38HDR036−31	CNPH*4221A**	58PH*045−08	33,400	11.5	14.0
4084244	38HDR036−31	CNPH*4221A**	58PH*070−16	33,400	11.5	14.0
4084245	38HDR036−31	CNPH*4221A**	58PH*090−16	33,400	12.0	14.5
4084246	38HDR036−31	CNPH*4221A**	58PH*110−20	33,400	12.0	14.5
4113966	38HDR036−31	CNPH*4221A**	58VLR105−12	33,400	12.0	14.5
4113968	38HDR036−31	CNPH*4221A**	58VLR120−20	33,400	12.0	14.5
4113965	38HDR036−31	CNPH*4221A**	58VMR105−12	33,400	12.0	14.5
4113967	38HDR036−31	CNPH*4221A**	58VMR120−20	33,400	12.0	14.5
4744268	38HDR036−31	CNPH*4221A**	59*N*A060V17**14	33,000	12.0	14.5
4744269	38HDR036−31	CNPH*4221A**	59*N*A080V17**14	33,200	12.0	14.5
4744270	38HDR036−31	CNPH*4221A**	59*N*A100V21**20	33,200	12.0	14.5
4744271	38HDR036−31	CNPH*4221A**	59*N*A120V24**22	33,400	12.5	15.0
4744272	38HDR036−31	CNPH*4221A**	59*P5A060E17**14	33,400	12.0	14.5
4744273	38HDR036−31	CNPH*4221A**	59*P5A080E17**16	33,400	12.0	14.5
4113970	38HDR036−31	CNPH*4221A**	OVLAAB036098	33,400	11.5	14.0
4113972	38HDR036−31	CNPH*4221A**	OVLAAB048112	33,400	12.0	14.5
4113973	38HDR036−31	CNPH*4221A**	OVLAAB060154	33,400	12.0	14.5
4113969	38HDR036−31	CNPH*4221A**	OVMAAB036098	33,400	11.5	14.0
4113971	38HDR036−31	CNPH*4221A**	OVMAAB042112	33,400	12.0	14.5
4084494	38HDR036−31	CNPH*4221A**+TDR		33,400	11.0	13.0
3667199	38HDR036−31	CNPH*4321A**	58CV(A,X)070−12	33,800	12.5	15.0
3667200	38HDR036−31	CNPH*4321A**	58CV(A,X)090−16	33,800	12.5	15.0
3667201	38HDR036−31	CNPH*4321A**	58CV(A,X)110−20	33,800	12.5	15.0
3667202	38HDR036−31	CNPH*4321A**	58CV(A,X)135−22	33,800	12.5	15.0
3667203	38HDR036−31	CNPH*4321A**	58CV(A,X)155−22	33,800	12.5	15.0
3667213	38HDR036−31	CNPH*4321A**	58HDV040−−12	33,800	11.5	14.0
3667214	38HDR036−31	CNPH*4321A**	58HDV060−−12	33,800	11.5	14.0
3667215	38HDR036−31	CNPH*4321A**	58HDV080−−20	33,800	12.0	14.5
3667216	38HDR036−31	CNPH*4321A**	58HDV100−−20	33,800	12.0	14.5
3716366	38HDR036−31	CNPH*4321A**	58ME(B,C)060−12	33,800	12.5	15.0
3716367	38HDR036−31	CNPH*4321A**	58ME(B,C)080−12	33,800	12.5	15.0
3716368	38HDR036−31	CNPH*4321A**	58ME(B,C)080−16	33,800	12.5	15.0
3716369	38HDR036−31	CNPH*4321A**	58ME(B,C)100−20	33,800	12.5	15.0
3667208	38HDR036−31	CNPH*4321A**	58MEB040−12	33,800	12.5	15.0
3667194	38HDR036−31	CNPH*4321A**	58MV(B,C)060−14	33,800	12.5	15.0

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3667195	38HDR036−31	CNPH*4321A**	58MV(B,C)080−14	33,800	12.5	15.0
3667196	38HDR036−31	CNPH*4321A**	58MV(B,C)080−20	33,800	12.5	15.0
3667197	38HDR036−31	CNPH*4321A**	58MV(B,C)100−20	33,800	12.5	15.0
3667198	38HDR036−31	CNPH*4321A**	58MV(B,C)120−20	33,800	12.5	15.0
3667193	38HDR036−31	CNPH*4321A**	58MVB040−14	33,800	12.5	15.0
3667204	38HDR036−31	CNPH*4321A**	58PH*045−08	33,800	12.0	14.5
3667205	38HDR036−31	CNPH*4321A**	58PH*070−16	33,800	12.5	15.0
3667206	38HDR036−31	CNPH*4321A**	58PH*090−16	33,800	12.5	15.0
3667207	38HDR036−31	CNPH*4321A**	58PH*110−20	33,800	12.5	15.0
4113975	38HDR036−31	CNPH*4321A**	58VLR105−12	33,800	12.0	14.5
4113977	38HDR036−31	CNPH*4321A**	58VLR120−20	33,800	12.0	14.5
4113974	38HDR036−31	CNPH*4321A**	58VMR105−12	33,800	12.0	14.5
4113976	38HDR036−31	CNPH*4321A**	58VMR120−20	33,800	12.0	14.5
4744274	38HDR036−31	CNPH*4321A**	59*N*A060V17**14	34,000	12.5	15.2
4744275	38HDR036−31	CNPH*4321A**	59*N*A080V17**14	34,000	12.5	15.2
4744276	38HDR036−31	CNPH*4321A**	59*N*A100V21**20	34,200	12.5	15.2
4744277	38HDR036−31	CNPH*4321A**	59*N*A120V24**22	34,200	12.7	15.5
4744278	38HDR036−31	CNPH*4321A**	59*P5A060E17**14	34,400	12.5	15.0
4744279	38HDR036−31	CNPH*4321A**	59*P5A080E17**16	34,400	12.5	15.2
4113979	38HDR036−31	CNPH*4321A**	OVLAAB036098	33,800	12.0	14.5
4113981	38HDR036−31	CNPH*4321A**	OVLAAB048112	33,800	12.0	14.5
4113982	38HDR036−31	CNPH*4321A**	OVLAAB060154	33,800	12.0	14.5
4113978	38HDR036−31	CNPH*4321A**	OVMAAB036098	33,800	12.0	14.5
4113980	38HDR036−31	CNPH*4321A**	OVMAAB042112	33,800	12.0	14.5
3667192	38HDR036−31	CNPH*4321A**+TDR		33,800	11.0	13.0
4084495	38HDR036−31	CNPV*3617A**	58CV(A,X)070−12	33,000	11.5	14.0
4084496	38HDR036−31	CNPV*3617A**	58CV(A,X)090−16	33,000	11.5	13.5
4129762	38HDR036−31	CNPV*3617A**	58HDV040−−12	33,000	11.5	13.5
4129763	38HDR036−31	CNPV*3617A**	58HDV060−−12	33,000	11.5	14.0
4084247	38HDR036−31	CNPV*3617A**	58ME(B,C)040−12	33,000	12.0	14.5
4084248	38HDR036−31	CNPV*3617A**	58ME(B,C)060−12	33,000	12.0	14.5
4084249	38HDR036−31	CNPV*3617A**	58ME(B,C)080−12	33,000	12.0	14.5
4084250	38HDR036−31	CNPV*3617A**	58ME(B,C)080−16	33,000	12.0	14.5
4084251	38HDR036−31	CNPV*3617A**	58MEB040−12	33,000	12.0	14.5
4084497	38HDR036−31	CNPV*3617A**	58MV(B,C)060−14	33,000	11.5	13.5
4084252	38HDR036−31	CNPV*3617A**	58PH*070−16	33,000	11.5	14.0
4084253	38HDR036−31	CNPV*3617A**	58UVB060−14	33,000	11.5	13.5
4113933	38HDR036−31	CNPV*3617A**	58VLR105−12	33,200	12.0	14.5
4113932	38HDR036−31	CNPV*3617A**	58VMR105−12	33,000	12.0	14.5
4744238	38HDR036−31	CNPV*3617A**	59*N*A060V17**14	30,000	11.8	14.2
4744239	38HDR036−31	CNPV*3617A**	59*N*A080V17**14	32,800	12.0	14.5
4744240	38HDR036−31	CNPV*3617A**	59*P5A060E17**14	33,000	11.8	14.2
4744241	38HDR036−31	CNPV*3617A**	59*P5A080E17**16	33,000	12.0	14.5
4113935	38HDR036−31	CNPV*3617A**	OVLAAB036098	33,000	11.5	14.0
4113934	38HDR036−31	CNPV*3617A**	OVMAAB036098	33,200	11.5	14.0
4113936	38HDR036−31	CNPV*3617A**	OVMAAB042112	33,200	12.0	14.5
4084498	38HDR036−31	CNPV*3617A**+TDR		33,000	11.0	13.0
4084499	38HDR036−31	CNPV*3621A**	58CV(A,X)090−16	33,000	11.5	14.5
4084500	38HDR036−31	CNPV*3621A**	58CV(A,X)110−20	33,000	11.5	13.5
4129764	38HDR036−31	CNPV*3621A**	58HDV040−−12	33,000	11.5	13.5
4129765	38HDR036−31	CNPV*3621A**	58HDV060−−12	33,200	11.5	14.0
4129766	38HDR036−31	CNPV*3621A**	58HDV080−−20	33,200	12.0	14.5
4084254	38HDR036−31	CNPV*3621A**	58ME(B,C)100−20	33,000	12.0	14.5
4084501	38HDR036−31	CNPV*3621A**	58MV(B,C)060−14	33,000	11.5	14.5
4084502	38HDR036−31	CNPV*3621A**	58MV(B,C)080−14	33,000	11.5	13.5
4084503	38HDR036−31	CNPV*3621A**	58MV(B,C)080−20	33,000	11.5	13.5
4084504	38HDR036−31	CNPV*3621A**	58MV(B,C)100−20	33,000	11.5	13.5
4084255	38HDR036−31	CNPV*3621A**	58PH*090−16	33,000	12.0	14.5
4084256	38HDR036−31	CNPV*3621A**	58PH*110−20	33,000	12.0	14.5
4084257	38HDR036−31	CNPV*3621A**	58UVB060−14	33,000	11.5	14.5
4084258	38HDR036−31	CNPV*3621A**	58UVB080−14	33,000	11.5	13.5
4084259	38HDR036−31	CNPV*3621A**	58UVB080−20	33,000	11.5	13.5
4084260	38HDR036−31	CNPV*3621A**	58UVB100−20	33,000	11.5	13.5
4113938	38HDR036−31	CNPV*3621A**	58VLR120−20	33,200	12.0	14.5
4113937	38HDR036−31	CNPV*3621A**	58VMR120−20	33,200	12.0	14.5
4744242	38HDR036−31	CNPV*3621A**	59*N*A060V17**14	30,000	11.8	14.2
4744243	38HDR036−31	CNPV*3621A**	59*N*A080V17**14	32,800	12.0	14.5
4744244	38HDR036−31	CNPV*3621A**	59*N*A100V21**20	33,000	12.0	14.5
4744245	38HDR036−31	CNPV*3621A**	59*P5A060E17**14	33,000	11.8	14.2
4744246	38HDR036−31	CNPV*3621A**	59*P5A080E17**16	33,000	12.0	14.5
4113939	38HDR036−31	CNPV*3621A**	OVLAAB048112	33,200	11.5	14.0
4084505	38HDR036−31	CNPV*3621A**+TDR		33,000	11.0	13.0
3667180	38HDR036−31	CNPV*3717A**	58CV(A,X)090−16	33,400	12.5	15.0

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4129767	38HDR036−31	CNPV*3717A**	58HDV040−−12	33,400	12.0	14.5
4129768	38HDR036−31	CNPV*3717A**	58HDV060−−12	33,400	12.0	14.5
3716362	38HDR036−31	CNPV*3717A**	58ME(B,C)060−12	33,400	12.5	15.0
3716363	38HDR036−31	CNPV*3717A**	58ME(B,C)080−12	33,400	12.5	15.0
3716364	38HDR036−31	CNPV*3717A**	58ME(B,C)080−16	33,400	12.5	15.0
3667182	38HDR036−31	CNPV*3717A**	58MEB040−12	33,400	12.5	15.0
3667179	38HDR036−31	CNPV*3717A**	58MV(B,C)060−14	33,400	12.0	15.0
3667181	38HDR036−31	CNPV*3717A**	58PH*070−16	33,400	12.5	15.0
3716386	38HDR036−31	CNPV*3717A**	58UVB060−14	33,400	12.0	15.0
4113941	38HDR036−31	CNPV*3717A**	58VLR105−12	33,400	12.0	14.5
4113940	38HDR036−31	CNPV*3717A**	58VMR105−12	33,400	12.0	14.5
4744247	38HDR036−31	CNPV*3717A**	59*N*A060V17**14	33,800	12.5	15.0
4744248	38HDR036−31	CNPV*3717A**	59*N*A080V17**14	34,000	12.5	15.2
4744249	38HDR036−31	CNPV*3717A**	59*P5A060E17**14	34,400	12.5	15.0
4744250	38HDR036−31	CNPV*3717A**	59*P5A080E17**16	34,400	12.5	15.0
4113943	38HDR036−31	CNPV*3717A**	OVLAAB036098	33,400	12.0	14.5
4113942	38HDR036−31	CNPV*3717A**	OVMAAB036098	33,400	12.0	14.5
4113944	38HDR036−31	CNPV*3717A**	OVMAAB042112	33,400	12.0	14.5
3667178	38HDR036−31	CNPV*3717A**+TDR		33,400	11.0	13.0
4084261	38HDR036−31	CNPV*4217A**	58CV(A,X)090−16	33,400	12.0	14.5
4129769	38HDR036−31	CNPV*4217A**	58HDV040−−12	33,400	11.5	14.0
4129770	38HDR036−31	CNPV*4217A**	58HDV060−−12	33,400	12.0	14.5
4084262	38HDR036−31	CNPV*4217A**	58ME(B,C)040−12	33,400	12.0	14.5
4084263	38HDR036−31	CNPV*4217A**	58ME(B,C)060−12	33,400	12.0	14.5
4084264	38HDR036−31	CNPV*4217A**	58ME(B,C)080−12	33,400	12.0	14.5
4084265	38HDR036−31	CNPV*4217A**	58ME(B,C)080−16	33,400	12.0	14.5
4084266	38HDR036−31	CNPV*4217A**	58MEB040−12	33,400	12.0	14.5
4084267	38HDR036−31	CNPV*4217A**	58MV(B,C)060−14	33,400	12.0	14.5
4084268	38HDR036−31	CNPV*4217A**	58PH*070−16	33,400	12.0	14.5
4084269	38HDR036−31	CNPV*4217A**	58UVB060−14	33,400	12.0	14.5
4113946	38HDR036−31	CNPV*4217A**	58VLR105−12	33,400	12.0	14.5
4113945	38HDR036−31	CNPV*4217A**	58VMR105−12	33,400	12.0	14.5
4744251	38HDR036−31	CNPV*4217A**	59*N*A060V17**14	33,200	12.0	14.5
4744252	38HDR036−31	CNPV*4217A**	59*N*A080V17**14	33,400	12.0	14.5
4744253	38HDR036−31	CNPV*4217A**	59*P5A060E17**14	33,600	12.0	14.5
4744254	38HDR036−31	CNPV*4217A**	59*P5A080E17**16	33,600	12.0	14.5
4113948	38HDR036−31	CNPV*4217A**	OVLAAB036098	33,400	12.0	14.5
4113947	38HDR036−31	CNPV*4217A**	OVMAAB036098	33,400	12.0	14.5
4113949	38HDR036−31	CNPV*4217A**	OVMAAB042112	33,400	12.0	14.5
4084270	38HDR036−31	CNPV*4217A**+TDR		33,400	11.0	13.0
4084506	38HDR036−31	CNPV*4221A**	58CV(A,X)090−16	33,400	11.5	14.5
4084507	38HDR036−31	CNPV*4221A**	58CV(A,X)110−20	33,400	11.5	14.5
4129771	38HDR036−31	CNPV*4221A**	58HDV040−−12	33,400	11.5	14.0
4129772	38HDR036−31	CNPV*4221A**	58HDV060−−12	33,400	11.5	14.0
4129773	38HDR036−31	CNPV*4221A**	58HDV080−−20	33,400	12.0	14.5
4084271	38HDR036−31	CNPV*4221A**	58ME(B,C)100−20	33,400	12.0	14.5
4084508	38HDR036−31	CNPV*4221A**	58MV(B,C)060−14	33,400	11.5	14.5
4084509	38HDR036−31	CNPV*4221A**	58MV(B,C)080−14	33,400	11.5	14.0
4084510	38HDR036−31	CNPV*4221A**	58MV(B,C)080−20	33,400	11.5	14.0
4084513	38HDR036−31	CNPV*4221A**	58MV(B,C)100−20	33,400	11.5	14.0
4084272	38HDR036−31	CNPV*4221A**	58PH*090−16	33,400	12.0	14.5
4084273	38HDR036−31	CNPV*4221A**	58PH*110−20	33,400	12.0	14.5
4084274	38HDR036−31	CNPV*4221A**	58UVB060−14	33,400	11.5	14.5
4084275	38HDR036−31	CNPV*4221A**	58UVB080−14	33,400	11.5	14.0
4084276	38HDR036−31	CNPV*4221A**	58UVB080−20	33,400	11.5	14.0
4084277	38HDR036−31	CNPV*4221A**	58UVB100−20	33,400	11.5	14.0
4113951	38HDR036−31	CNPV*4221A**	58VLR120−20	33,400	12.0	14.5
4113950	38HDR036−31	CNPV*4221A**	58VMR120−20	33,400	12.0	14.5
4744255	38HDR036−31	CNPV*4221A**	59*N*A060V17**14	33,000	12.0	14.5
4744256	38HDR036−31	CNPV*4221A**	59*N*A080V17**14	33,200	12.0	14.5
4744257	38HDR036−31	CNPV*4221A**	59*N*A100V21**20	33,200	12.0	14.5
4744258	38HDR036−31	CNPV*4221A**	59*P5A060E17**14	33,400	12.0	14.5
4744259	38HDR036−31	CNPV*4221A**	59*P5A080E17**16	33,400	12.0	14.5
4113952	38HDR036−31	CNPV*4221A**	OVLAAB048112	33,400	12.0	14.5
3667189	38HDR036−31	CNPV*4324A**	58CV(A,X)135−22	33,800	12.5	15.0
3667190	38HDR036−31	CNPV*4324A**	58CV(A,X)155−22	33,800	12.5	15.0
4129774	38HDR036−31	CNPV*4324A**	58HDV080−−20	33,800	12.0	14.5
3716365	38HDR036−31	CNPV*4324A**	58HDV100−−20 (DWNFLW ONLY)	33,800	12.5	15.0
3667188	38HDR036−31	CNPV*4324A**	58MV(B,C)120−20	33,800	12.5	15.0
3667187	38HDR036−31	CNPV*4324A**	58MVB040−14	33,800	12.5	15.0
3716387	38HDR036−31	CNPV*4324A**	58UVB120−20	33,800	12.5	15.0
4744260	38HDR036−31	CNPV*4324A**	59*N*A100V21**20	34,200	12.7	15.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4744261	38HDR036−31	CNPV*4324A**	59*N*A120V24**22	34,200	12.7	15.5
3667186	38HDR036−31	CNPV*4324A**+TDR		33,800	11.0	13.0
4084514	38HDR036−31	CSPH*3612A**	58CV(A,X)070−12	33,000	11.5	14.0
4084515	38HDR036−31	CSPH*3612A**	58CV(A,X)090−16	33,000	11.5	14.5
4084516	38HDR036−31	CSPH*3612A**	58CV(A,X)110−20	33,000	11.5	14.5
4084517	38HDR036−31	CSPH*3612A**	58CV(A,X)135−22	33,000	11.5	14.5
4084518	38HDR036−31	CSPH*3612A**	58CV(A,X)155−22	33,000	11.5	14.5
3667217	38HDR036−31	CSPH*3612A**	58HDV040−−12	33,400	11.5	14.0
3667218	38HDR036−31	CSPH*3612A**	58HDV060−−12	33,400	12.0	14.5
3667219	38HDR036−31	CSPH*3612A**	58HDV080−−20	33,400	12.0	14.5
3667220	38HDR036−31	CSPH*3612A**	58HDV100−−20	33,400	12.0	14.5
4084278	38HDR036−31	CSPH*3612A**	58ME(B,C)040−12	33,000	12.0	14.5
4084279	38HDR036−31	CSPH*3612A**	58ME(B,C)060−12	33,000	12.0	14.5
4084280	38HDR036−31	CSPH*3612A**	58ME(B,C)080−12	33,000	12.0	14.5
4084281	38HDR036−31	CSPH*3612A**	58ME(B,C)080−16	33,000	12.0	14.5
4084282	38HDR036−31	CSPH*3612A**	58ME(B,C)100−20	33,000	12.0	14.5
4084283	38HDR036−31	CSPH*3612A**	58MEB040−12	33,000	12.0	14.5
4084519	38HDR036−31	CSPH*3612A**	58MV(B,C)060−14	33,000	11.5	14.5
4084520	38HDR036−31	CSPH*3612A**	58MV(B,C)080−14	33,000	11.5	14.0
4084521	38HDR036−31	CSPH*3612A**	58MV(B,C)080−20	33,000	11.5	14.0
4084522	38HDR036−31	CSPH*3612A**	58MV(B,C)100−20	33,000	11.5	14.5
4084523	38HDR036−31	CSPH*3612A**	58MV(B,C)120−20	33,000	11.5	14.5
4084284	38HDR036−31	CSPH*3612A**	58PH*045−08	33,000	11.5	14.0
4084285	38HDR036−31	CSPH*3612A**	58PH*070−16	33,000	11.5	14.0
4084286	38HDR036−31	CSPH*3612A**	58PH*090−16	33,000	12.0	14.5
4084287	38HDR036−31	CSPH*3612A**	58PH*110−20	33,000	12.0	14.5
4113984	38HDR036−31	CSPH*3612A**	58VLR105−12	33,000	12.0	14.5
4113986	38HDR036−31	CSPH*3612A**	58VLR120−20	33,000	12.0	14.5
4113983	38HDR036−31	CSPH*3612A**	58VMR105−12	33,000	12.0	14.5
4113985	38HDR036−31	CSPH*3612A**	58VMR120−20	33,000	12.0	14.5
4744280	38HDR036−31	CSPH*3612A**	59*N*A060V17**14	33,400	12.0	14.5
4744281	38HDR036−31	CSPH*3612A**	59*N*A080V17**14	33,600	12.5	15.0
4744282	38HDR036−31	CSPH*3612A**	59*N*A100V21**20	33,800	12.5	15.0
4744283	38HDR036−31	CSPH*3612A**	59*N*A120V24**22	33,800	12.5	15.2
4744284	38HDR036−31	CSPH*3612A**	59*P5A060E17**14	33,800	12.0	14.5
4744285	38HDR036−31	CSPH*3612A**	59*P5A080E17**16	33,800	12.0	14.5
4113988	38HDR036−31	CSPH*3612A**	OVLAAB036098	33,000	12.0	14.5
4113990	38HDR036−31	CSPH*3612A**	OVLAAB048112	33,000	12.0	14.5
4113987	38HDR036−31	CSPH*3612A**	OVMAAB036098	33,000	12.0	14.5
4113989	38HDR036−31	CSPH*3612A**	OVMAAB042112	33,000	12.0	14.5
4084524	38HDR036−31	CSPH*3612A**+TDR		33,000	11.0	13.0
4084525	38HDR036−31	CSPH*4212A**	58CV(A,X)070−12	33,400	11.5	14.0
4084526	38HDR036−31	CSPH*4212A**	58CV(A,X)090−16	33,400	11.5	14.5
4084527	38HDR036−31	CSPH*4212A**	58CV(A,X)110−20	33,400	11.5	14.5
4084528	38HDR036−31	CSPH*4212A**	58CV(A,X)135−22	33,400	11.5	14.5
4084529	38HDR036−31	CSPH*4212A**	58CV(A,X)155−22	33,400	11.5	14.5
3667221	38HDR036−31	CSPH*4212A**	58HDV040−−12	33,800	11.5	14.0
3667222	38HDR036−31	CSPH*4212A**	58HDV060−−12	33,800	12.0	14.5
3667223	38HDR036−31	CSPH*4212A**	58HDV080−−20	33,800	12.5	15.0
3667224	38HDR036−31	CSPH*4212A**	58HDV100−−20	33,800	12.5	15.0
4084288	38HDR036−31	CSPH*4212A**	58ME(B,C)040−12	33,400	12.0	14.5
4084289	38HDR036−31	CSPH*4212A**	58ME(B,C)060−12	33,400	12.0	14.5
4084290	38HDR036−31	CSPH*4212A**	58ME(B,C)080−12	33,400	12.0	14.5
4084291	38HDR036−31	CSPH*4212A**	58ME(B,C)080−16	33,400	12.0	14.5
4084292	38HDR036−31	CSPH*4212A**	58ME(B,C)100−20	33,400	12.0	14.5
4084293	38HDR036−31	CSPH*4212A**	58MEB040−12	33,400	12.0	14.5
4084530	38HDR036−31	CSPH*4212A**	58MV(B,C)060−14	33,400	11.5	14.0
4084531	38HDR036−31	CSPH*4212A**	58MV(B,C)080−14	33,400	11.5	14.0
4084532	38HDR036−31	CSPH*4212A**	58MV(B,C)080−20	33,400	11.5	14.0
4084533	38HDR036−31	CSPH*4212A**	58MV(B,C)100−20	33,400	11.5	14.0
4084534	38HDR036−31	CSPH*4212A**	58MV(B,C)120−20	33,400	11.5	14.0
4084294	38HDR036−31	CSPH*4212A**	58PH*045−08	33,400	11.5	14.0
4084295	38HDR036−31	CSPH*4212A**	58PH*070−16	33,400	11.5	14.0
4084296	38HDR036−31	CSPH*4212A**	58PH*090−16	33,400	12.0	14.5
4084297	38HDR036−31	CSPH*4212A**	58PH*110−20	33,400	12.0	14.5
4113992	38HDR036−31	CSPH*4212A**	58VLR105−12	33,400	12.0	14.5
4113994	38HDR036−31	CSPH*4212A**	58VLR120−20	33,400	12.0	14.5
4113991	38HDR036−31	CSPH*4212A**	58VMR105−12	33,400	12.0	14.5
4113993	38HDR036−31	CSPH*4212A**	58VMR120−20	33,400	12.0	14.5
4744286	38HDR036−31	CSPH*4212A**	59*N*A060V17**14	33,600	12.5	15.0
4744287	38HDR036−31	CSPH*4212A**	59*N*A080V17**14	33,800	12.5	15.0
4744288	38HDR036−31	CSPH*4212A**	59*N*A100V21**20	34,000	12.5	15.2
4744289	38HDR036−31	CSPH*4212A**	59*N*A120V24**22	34,000	12.5	15.2

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4744290	38HDR036−31	CSPH*4212A**	59*P5A060E17**14	34,200	12.0	14.5
4744291	38HDR036−31	CSPH*4212A**	59*P5A080E17**16	34,000	12.5	15.0
4113996	38HDR036−31	CSPH*4212A**	OVLAAB036098	33,400	12.0	14.5
4113998	38HDR036−31	CSPH*4212A**	OVLAAB048112	33,400	12.0	14.5
4113999	38HDR036−31	CSPH*4212A**	OVLAAB060154	33,400	12.0	14.5
4113995	38HDR036−31	CSPH*4212A**	OVMAAB036098	33,400	12.0	14.5
4113997	38HDR036−31	CSPH*4212A**	OVMAAB042112	33,400	12.0	14.5
4084535	38HDR036−31	CSPH*4212A**+TDR		33,400	11.0	13.0
4084109	38HDR036−31	FB4CNF036+TXV		33,400	11.5	14.0
4084110	38HDR036−31	FB4CNF042+TXV		34,400	12.0	14.5
4084536	38HDR036−31	FE4AN(B,F)003+UI		33,000	11.5	14.0
4084537	38HDR036−31	FE4AN(B,F)005+UI		33,400	12.5	15.0
4084538	38HDR036−31	FE4ANB006+UI		33,400	12.5	15.0
4084539	38HDR036−31	FE4ANF002+UI		33,000	11.5	13.5
4084540	38HDR036−31	FF1ENP036		33,000	11.0	13.0
3813723	38HDR036−31	FF1ENP037		33,400	11.0	13.5
4084298	38HDR036−31	FV4CNB006		33,400	12.5	15.0
4084299	38HDR036−31	FV4CNF002		33,000	11.5	13.5
3752244	38HDR036−31	FX4DN(B,F)037		33,800	12.5	15.0
3752245	38HDR036−31	FX4DN(B,F)043		33,800	12.5	15.0
3752246	38HDR036−31	FX4DN(B,F)049		34,200	12.5	15.0
4084111	38HDR036−31	FY5BNF036+TXV		33,400	11.5	14.0
4084112	38HDR036−31	FY5BNF042+TXV		34,400	12.0	14.5
4084692	38HDR036−51	†CNPV*4221A**+TDR		33,400	11.0	13.0
1117046	38HDR036−51	CAP**3614A**	58CV(A,X)070−12	32,600	11.5	13.5
4084547	38HDR036−51	CAP**3614A**	58CV(A,X)070−12	32,600	11.5	13.5
3015466	38HDR036−51	CAP**3614A**	58PH*045−08	33,000	11.5	14.0
4084548	38HDR036−51	CAP**3614A**	58PH*045−08	33,000	11.5	14.0
1117044	38HDR036−51	CAP**3614A**+TDR		32,600	11.0	13.0
4084549	38HDR036−51	CAP**3614A**+TDR		32,600	11.0	13.0
1117228	38HDR036−51	CAP**3617A**	58CV(A,X)070−12	33,000	11.5	14.0
4084550	38HDR036−51	CAP**3617A**	58CV(A,X)070−12	33,000	11.5	14.0
1117052	38HDR036−51	CAP**3617A**	58CV(A,X)090−16	33,000	11.5	14.0
4084551	38HDR036−51	CAP**3617A**	58CV(A,X)090−16	33,000	11.5	14.0
3613109	38HDR036−51	CAP**3617A**	58ME(B,C)040−12	33,000	12.0	14.5
4084552	38HDR036−51	CAP**3617A**	58ME(B,C)040−12	33,000	12.0	14.5
3116285	38HDR036−51	CAP**3617A**	58ME(B,C)060−12	33,000	12.0	14.5
4084553	38HDR036−51	CAP**3617A**	58ME(B,C)060−12	33,000	12.0	14.5
3116286	38HDR036−51	CAP**3617A**	58ME(B,C)080−12	33,000	12.0	14.5
4084554	38HDR036−51	CAP**3617A**	58ME(B,C)080−12	33,000	12.0	14.5
3116287	38HDR036−51	CAP**3617A**	58ME(B,C)080−16	33,000	12.0	14.5
4084555	38HDR036−51	CAP**3617A**	58ME(B,C)080−16	33,000	12.0	14.5
3116284	38HDR036−51	CAP**3617A**	58MEB040−12	33,000	12.0	14.5
4084556	38HDR036−51	CAP**3617A**	58MEB040−12	33,000	12.0	14.5
1390596	38HDR036−51	CAP**3617A**	58MV(B,C)060−14	33,000	11.5	13.5
4084557	38HDR036−51	CAP**3617A**	58MV(B,C)060−14	33,000	11.5	13.5
3015467	38HDR036−51	CAP**3617A**	58PH*070−16	33,000	11.5	14.0
4084558	38HDR036−51	CAP**3617A**	58PH*070−16	33,000	11.5	14.0
3673393	38HDR036−51	CAP**3617A**	58UVB060−14	33,000	11.5	13.5
4084559	38HDR036−51	CAP**3617A**	58UVB060−14	33,000	11.5	13.5
4114042	38HDR036−51	CAP**3617A**	58VLR105−12	33,200	12.0	14.5
4114041	38HDR036−51	CAP**3617A**	58VMR105−12	33,200	12.0	14.5
4816596	38HDR036−51	CAP**3617A**	59*N*A060V17**14	32,800	12.0	14.5
4816597	38HDR036−51	CAP**3617A**	59*N*A080V17**14	32,800	12.0	14.5
4816598	38HDR036−51	CAP**3617A**	59*P5A060E17**14	33,200	11.8	14.2
4816599	38HDR036−51	CAP**3617A**	59*P5A080E17**16	33,200	12.0	14.5
4114044	38HDR036−51	CAP**3617A**	OVLAAB036098	33,200	11.5	14.0
4114043	38HDR036−51	CAP**3617A**	OVMAAB036098	33,200	11.5	14.0
4114045	38HDR036−51	CAP**3617A**	OVMAAB042112	33,200	12.0	14.5
1117048	38HDR036−51	CAP**3617A**+TDR		33,000	11.0	13.0
4084560	38HDR036−51	CAP**3617A**+TDR		33,000	11.0	13.0
4816612	38HDR036−51	CAP**3619A**	59*N*A060V17**14	32,800	12.0	14.5
4816613	38HDR036−51	CAP**3619A**	59*N*A080V17**14	32,800	12.0	14.5
4816614	38HDR036−51	CAP**3619A**	59*N*A100V21**20	33,000	12.0	14.5
4816615	38HDR036−51	CAP**3619A**	59*P5A060E17**14	33,200	11.8	14.2
4816616	38HDR036−51	CAP**3619A**	59*P5A080E17**16	33,200	12.0	14.5
1117232	38HDR036−51	CAP**3621A**	58CV(A,X)090−16	33,000	11.5	14.0
4084561	38HDR036−51	CAP**3621A**	58CV(A,X)090−16	33,000	11.5	14.0
1145786	38HDR036−51	CAP**3621A**	58CV(A,X)110−20	33,000	11.5	14.0
4084562	38HDR036−51	CAP**3621A**	58CV(A,X)110−20	33,000	11.5	14.0
3116288	38HDR036−51	CAP**3621A**	58ME(B,C)100−20	33,000	12.0	14.5
4084563	38HDR036−51	CAP**3621A**	58ME(B,C)100−20	33,000	12.0	14.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
1390602	38HDR036−51	CAP**3621A**	58MV(B,C)060−14	33,000	11.5	14.0
4084564	38HDR036−51	CAP**3621A**	58MV(B,C)060−14	33,000	11.5	14.0
1390616	38HDR036−51	CAP**3621A**	58MV(B,C)080−14	33,000	11.5	13.5
4084565	38HDR036−51	CAP**3621A**	58MV(B,C)080−14	33,000	11.5	13.5
1390634	38HDR036−51	CAP**3621A**	58MV(B,C)080−20	33,000	11.5	13.5
4084566	38HDR036−51	CAP**3621A**	58MV(B,C)080−20	33,000	11.5	13.5
1390658	38HDR036−51	CAP**3621A**	58MV(B,C)100−20	33,000	11.5	14.0
4084567	38HDR036−51	CAP**3621A**	58MV(B,C)100−20	33,000	11.5	14.0
3015468	38HDR036−51	CAP**3621A**	58PH*090−16	33,000	12.0	14.5
4084568	38HDR036−51	CAP**3621A**	58PH*090−16	33,000	12.0	14.5
3015469	38HDR036−51	CAP**3621A**	58PH*110−20	33,000	12.0	14.5
4084569	38HDR036−51	CAP**3621A**	58PH*110−20	33,000	12.0	14.5
3673394	38HDR036−51	CAP**3621A**	58UVB060−14	33,000	11.5	14.0
4084570	38HDR036−51	CAP**3621A**	58UVB060−14	33,000	11.5	14.0
3673396	38HDR036−51	CAP**3621A**	58UVB080−14	33,000	11.5	13.5
4084571	38HDR036−51	CAP**3621A**	58UVB080−14	33,000	11.5	13.5
3673399	38HDR036−51	CAP**3621A**	58UVB080−20	33,000	11.5	13.5
4084572	38HDR036−51	CAP**3621A**	58UVB080−20	33,000	11.5	13.5
3673403	38HDR036−51	CAP**3621A**	58UVB100−20	33,000	11.5	14.0
4084573	38HDR036−51	CAP**3621A**	58UVB100−20	33,000	11.5	14.0
4114047	38HDR036−51	CAP**3621A**	58VLR120−20	33,200	12.0	14.5
4114046	38HDR036−51	CAP**3621A**	58VMR120−20	33,200	12.0	14.5
4816600	38HDR036−51	CAP**3621A**	59*N*A060V17**14	32,800	12.0	14.5
4816601	38HDR036−51	CAP**3621A**	59*N*A080V17**14	33,000	12.0	14.5
4816602	38HDR036−51	CAP**3621A**	59*N*A100V21**20	33,000	12.0	14.5
4816603	38HDR036−51	CAP**3621A**	59*P5A060E17**14	33,200	12.0	14.5
4816604	38HDR036−51	CAP**3621A**	59*P5A080E17**16	33,200	12.0	14.5
4114048	38HDR036−51	CAP**3621A**	OVLAAB048112	33,200	12.0	14.5
1117054	38HDR036−51	CAP**3621A**+TDR		33,000	11.0	13.0
4084574	38HDR036−51	CAP**3621A**+TDR		33,000	11.0	13.0
1117236	38HDR036−51	CAP**4221A**	58CV(A,X)090−16	33,400	11.5	14.0
4084575	38HDR036−51	CAP**4221A**	58CV(A,X)090−16	33,400	11.5	14.0
1145796	38HDR036−51	CAP**4221A**	58CV(A,X)110−20	33,400	11.5	14.0
4084576	38HDR036−51	CAP**4221A**	58CV(A,X)110−20	33,400	11.5	14.0
3116289	38HDR036−51	CAP**4221A**	58ME(B,C)100−20	33,400	12.0	14.5
4084577	38HDR036−51	CAP**4221A**	58ME(B,C)100−20	33,400	12.0	14.5
1390604	38HDR036−51	CAP**4221A**	58MV(B,C)060−14	33,400	11.5	14.0
4084578	38HDR036−51	CAP**4221A**	58MV(B,C)060−14	33,400	11.5	14.0
1390624	38HDR036−51	CAP**4221A**	58MV(B,C)080−14	33,400	11.5	13.5
4084579	38HDR036−51	CAP**4221A**	58MV(B,C)080−14	33,400	11.5	13.5
1390642	38HDR036−51	CAP**4221A**	58MV(B,C)080−20	33,400	11.5	14.0
4084580	38HDR036−51	CAP**4221A**	58MV(B,C)080−20	33,400	11.5	14.0
1390660	38HDR036−51	CAP**4221A**	58MV(B,C)100−20	33,400	11.5	14.0
4084581	38HDR036−51	CAP**4221A**	58MV(B,C)100−20	33,400	11.5	14.0
3015470	38HDR036−51	CAP**4221A**	58PH*090−16	33,400	12.0	14.5
4084582	38HDR036−51	CAP**4221A**	58PH*090−16	33,400	12.0	14.5
3015471	38HDR036−51	CAP**4221A**	58PH*110−20	33,400	12.0	14.5
4084583	38HDR036−51	CAP**4221A**	58PH*110−20	33,400	12.0	14.5
3673395	38HDR036−51	CAP**4221A**	58UVB060−14	33,400	11.5	14.0
4084584	38HDR036−51	CAP**4221A**	58UVB060−14	33,400	11.5	14.0
3673398	38HDR036−51	CAP**4221A**	58UVB080−14	33,400	11.5	13.5
4084585	38HDR036−51	CAP**4221A**	58UVB080−14	33,400	11.5	13.5
3673401	38HDR036−51	CAP**4221A**	58UVB080−20	33,400	11.5	14.0
4084586	38HDR036−51	CAP**4221A**	58UVB080−20	33,400	11.5	14.0
3673404	38HDR036−51	CAP**4221A**	58UVB100−20	33,400	11.5	14.0
4084587	38HDR036−51	CAP**4221A**	58UVB100−20	33,400	11.5	14.0
4114050	38HDR036−51	CAP**4221A**	58VLR120−20	33,400	12.0	14.5
4114049	38HDR036−51	CAP**4221A**	58VMR120−20	33,400	12.0	14.5
4816605	38HDR036−51	CAP**4221A**	59*N*A060V17**14	33,000	12.0	14.5
4816606	38HDR036−51	CAP**4221A**	59*N*A080V17**14	33,200	12.0	14.5
4816607	38HDR036−51	CAP**4221A**	59*N*A100V21**20	33,200	12.5	15.0
4816608	38HDR036−51	CAP**4221A**	59*P5A060E17**14	33,400	12.0	14.5
4816609	38HDR036−51	CAP**4221A**	59*P5A080E17**16	33,400	12.0	14.5
4114051	38HDR036−51	CAP**4221A**	OVLAAB048112	33,400	12.0	14.5
1145788	38HDR036−51	CAP**4221A**+TDR		33,400	11.0	13.0
4084588	38HDR036−51	CAP**4221A**+TDR		33,400	11.0	13.0
1117244	38HDR036−51	CAP**4224A**	58CV(A,X)110−20	33,400	11.5	14.0
4084589	38HDR036−51	CAP**4224A**	58CV(A,X)110−20	33,400	11.5	14.0
1145804	38HDR036−51	CAP**4224A**	58CV(A,X)135−22	33,400	11.5	14.0
4084590	38HDR036−51	CAP**4224A**	58CV(A,X)135−22	33,400	11.5	14.0
1145806	38HDR036−51	CAP**4224A**	58CV(A,X)155−22	33,400	11.5	14.0
4084591	38HDR036−51	CAP**4224A**	58CV(A,X)155−22	33,400	11.5	14.0
4114052	38HDR036−51	CAP**4224A**	58HDV100−−20	33,400	12.0	14.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
1390622	38HDR036−51	CAP**4224A**	58MV(B,C)080−14	33,400	11.5	14.0
4084592	38HDR036−51	CAP**4224A**	58MV(B,C)080−14	33,400	11.5	14.0
1390640	38HDR036−51	CAP**4224A**	58MV(B,C)080−20	33,400	11.5	14.0
4084593	38HDR036−51	CAP**4224A**	58MV(B,C)080−20	33,400	11.5	14.0
1390656	38HDR036−51	CAP**4224A**	58MV(B,C)100−20	33,400	11.5	14.0
4084594	38HDR036−51	CAP**4224A**	58MV(B,C)100−20	33,400	11.5	14.0
1390674	38HDR036−51	CAP**4224A**	58MV(B,C)120−20	33,400	11.5	13.5
4084595	38HDR036−51	CAP**4224A**	58MV(B,C)120−20	33,400	11.5	13.5
3673397	38HDR036−51	CAP**4224A**	58UVB080−14	33,400	11.5	14.0
4084596	38HDR036−51	CAP**4224A**	58UVB080−14	33,400	11.5	14.0
3673400	38HDR036−51	CAP**4224A**	58UVB080−20	33,400	11.5	14.0
4084597	38HDR036−51	CAP**4224A**	58UVB080−20	33,400	11.5	14.0
3673402	38HDR036−51	CAP**4224A**	58UVB100−20	33,400	11.5	14.0
4084598	38HDR036−51	CAP**4224A**	58UVB100−20	33,400	11.5	14.0
3673405	38HDR036−51	CAP**4224A**	58UVB120−20	33,400	11.5	13.5
4084599	38HDR036−51	CAP**4224A**	58UVB120−20	33,400	11.5	13.5
4816610	38HDR036−51	CAP**4224A**	59*N*A100V21**20	33,200	12.5	15.0
4816611	38HDR036−51	CAP**4224A**	59*N*A120V24**22	33,400	12.5	15.2
1145798	38HDR036−51	CAP**4224A**+TDR		33,400	11.0	13.0
4084600	38HDR036−51	CAP**4224A**+TDR		33,400	11.0	13.0
1145846	38HDR036−51	CNPH*3617A**	58CV(A,X)070−12	33,000	11.5	13.5
4084602	38HDR036−51	CNPH*3617A**	58CV(A,X)070−12	33,000	11.5	13.5
1145848	38HDR036−51	CNPH*3617A**	58CV(A,X)090−16	33,000	11.5	13.5
4084603	38HDR036−51	CNPH*3617A**	58CV(A,X)090−16	33,000	11.5	13.5
1145850	38HDR036−51	CNPH*3617A**	58CV(A,X)110−20	33,000	11.5	13.5
4084604	38HDR036−51	CNPH*3617A**	58CV(A,X)110−20	33,000	11.5	13.5
1145852	38HDR036−51	CNPH*3617A**	58CV(A,X)135−22	33,000	11.5	13.5
4084605	38HDR036−51	CNPH*3617A**	58CV(A,X)135−22	33,000	11.5	13.5
1145854	38HDR036−51	CNPH*3617A**	58CV(A,X)155−22	33,000	11.5	14.0
4084606	38HDR036−51	CNPH*3617A**	58CV(A,X)155−22	33,000	11.5	14.0
4114075	38HDR036−51	CNPH*3617A**	58HDV040−−12	33,000	11.5	13.5
4114076	38HDR036−51	CNPH*3617A**	58HDV060−−12	33,000	11.5	14.0
4114077	38HDR036−51	CNPH*3617A**	58HDV080−−20	33,000	12.0	14.5
4114078	38HDR036−51	CNPH*3617A**	58HDV100−−20	33,000	12.0	14.5
3613112	38HDR036−51	CNPH*3617A**	58ME(B,C)040−12	33,000	12.0	14.5
4084607	38HDR036−51	CNPH*3617A**	58ME(B,C)040−12	33,000	12.0	14.5
3116305	38HDR036−51	CNPH*3617A**	58ME(B,C)060−12	33,000	12.0	14.5
4084608	38HDR036−51	CNPH*3617A**	58ME(B,C)060−12	33,000	12.0	14.5
3116306	38HDR036−51	CNPH*3617A**	58ME(B,C)080−12	33,000	12.0	14.5
4084609	38HDR036−51	CNPH*3617A**	58ME(B,C)080−12	33,000	12.0	14.5
3116307	38HDR036−51	CNPH*3617A**	58ME(B,C)080−16	33,000	12.0	14.5
4084610	38HDR036−51	CNPH*3617A**	58ME(B,C)080−16	33,000	12.0	14.5
3116308	38HDR036−51	CNPH*3617A**	58ME(B,C)100−20	33,000	12.0	14.5
4084611	38HDR036−51	CNPH*3617A**	58ME(B,C)100−20	33,000	12.0	14.5
3116304	38HDR036−51	CNPH*3617A**	58MEB040−12	33,000	12.0	14.5
4084612	38HDR036−51	CNPH*3617A**	58MEB040−12	33,000	12.0	14.5
1390612	38HDR036−51	CNPH*3617A**	58MV(B,C)060−14	33,000	11.5	13.5
4084613	38HDR036−51	CNPH*3617A**	58MV(B,C)060−14	33,000	11.5	13.5
1390630	38HDR036−51	CNPH*3617A**	58MV(B,C)080−14	33,000	11.5	13.5
4084614	38HDR036−51	CNPH*3617A**	58MV(B,C)080−14	33,000	11.5	13.5
1390648	38HDR036−51	CNPH*3617A**	58MV(B,C)080−20	33,000	11.5	13.5
4084615	38HDR036−51	CNPH*3617A**	58MV(B,C)080−20	33,000	11.5	13.5
1390666	38HDR036−51	CNPH*3617A**	58MV(B,C)100−20	33,000	11.5	13.5
4084616	38HDR036−51	CNPH*3617A**	58MV(B,C)100−20	33,000	11.5	13.5
1390676	38HDR036−51	CNPH*3617A**	58MV(B,C)120−20	33,000	11.5	13.5
4084617	38HDR036−51	CNPH*3617A**	58MV(B,C)120−20	33,000	11.5	13.5
3015477	38HDR036−51	CNPH*3617A**	58PH*045−08	33,000	11.5	14.0
4084618	38HDR036−51	CNPH*3617A**	58PH*045−08	33,000	11.5	14.0
3015478	38HDR036−51	CNPH*3617A**	58PH*070−16	33,000	11.5	14.0
4084619	38HDR036−51	CNPH*3617A**	58PH*070−16	33,000	11.5	14.0
3015479	38HDR036−51	CNPH*3617A**	58PH*090−16	33,000	12.0	14.5
4084620	38HDR036−51	CNPH*3617A**	58PH*090−16	33,000	12.0	14.5
3015480	38HDR036−51	CNPH*3617A**	58PH*110−20	33,000	12.0	14.5
4084621	38HDR036−51	CNPH*3617A**	58PH*110−20	33,000	12.0	14.5
4114080	38HDR036−51	CNPH*3617A**	58VLR105−12	33,000	12.0	14.5
4114082	38HDR036−51	CNPH*3617A**	58VLR120−20	33,000	12.0	14.5
4114079	38HDR036−51	CNPH*3617A**	58VMR105−12	33,000	12.0	14.5
4114081	38HDR036−51	CNPH*3617A**	58VMR120−20	33,000	12.0	14.5
4816641	38HDR036−51	CNPH*3617A**	59*N*A060V17**14	30,000	11.8	14.2
4816642	38HDR036−51	CNPH*3617A**	59*N*A080V17**14	32,800	12.0	14.5
4816643	38HDR036−51	CNPH*3617A**	59*N*A100V21**20	33,000	12.0	14.5
4816644	38HDR036−51	CNPH*3617A**	59*N*A120V24**22	33,000	12.0	14.5
4816645	38HDR036−51	CNPH*3617A**	59*P5A060E17**14	33,000	11.8	14.2

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4816646	38HDR036−51	CNPH*3617A**	59*P5A080E17**16	33,000	12.0	14.5
4114084	38HDR036−51	CNPH*3617A**	OVLAAB036098	33,000	11.5	14.0
4114086	38HDR036−51	CNPH*3617A**	OVLAAB048112	33,000	11.5	14.0
4114083	38HDR036−51	CNPH*3617A**	OVMAAB036098	33,000	11.5	14.0
4114085	38HDR036−51	CNPH*3617A**	OVMAAB042112	33,000	12.0	14.5
1145832	38HDR036−51	CNPH*3617A**+TDR		33,000	11.0	13.0
4084622	38HDR036−51	CNPH*3617A**+TDR		33,000	11.0	13.0
1145870	38HDR036−51	CNPH*4221A**	58CV(A,X)070−12	33,400	11.5	14.0
4084623	38HDR036−51	CNPH*4221A**	58CV(A,X)070−12	33,400	11.5	14.0
1145872	38HDR036−51	CNPH*4221A**	58CV(A,X)090−16	33,400	11.5	14.5
4084624	38HDR036−51	CNPH*4221A**	58CV(A,X)090−16	33,400	11.5	14.5
1145874	38HDR036−51	CNPH*4221A**	58CV(A,X)110−20	33,400	11.5	14.5
4084625	38HDR036−51	CNPH*4221A**	58CV(A,X)110−20	33,400	11.5	14.5
1117152	38HDR036−51	CNPH*4221A**	58CV(A,X)135−22	33,400	11.5	14.5
4084626	38HDR036−51	CNPH*4221A**	58CV(A,X)135−22	33,400	11.5	14.5
1117154	38HDR036−51	CNPH*4221A**	58CV(A,X)155−22	33,400	11.5	14.5
4084627	38HDR036−51	CNPH*4221A**	58CV(A,X)155−22	33,400	11.5	14.5
3613113	38HDR036−51	CNPH*4221A**	58ME(B,C)040−12	33,400	12.0	14.5
4084628	38HDR036−51	CNPH*4221A**	58ME(B,C)040−12	33,400	12.0	14.5
3116310	38HDR036−51	CNPH*4221A**	58ME(B,C)060−12	33,400	12.0	14.5
4084629	38HDR036−51	CNPH*4221A**	58ME(B,C)060−12	33,400	12.0	14.5
3116311	38HDR036−51	CNPH*4221A**	58ME(B,C)080−12	33,400	12.0	14.5
4084630	38HDR036−51	CNPH*4221A**	58ME(B,C)080−12	33,400	12.0	14.5
3116312	38HDR036−51	CNPH*4221A**	58ME(B,C)080−16	33,400	12.0	14.5
4084631	38HDR036−51	CNPH*4221A**	58ME(B,C)080−16	33,400	12.0	14.5
3116313	38HDR036−51	CNPH*4221A**	58ME(B,C)100−20	33,400	12.0	14.5
4084632	38HDR036−51	CNPH*4221A**	58ME(B,C)100−20	33,400	12.0	14.5
3116309	38HDR036−51	CNPH*4221A**	58MEB040−12	33,400	12.0	14.5
4084633	38HDR036−51	CNPH*4221A**	58MEB040−12	33,400	12.0	14.5
1390614	38HDR036−51	CNPH*4221A**	58MV(B,C)060−14	33,400	11.5	14.0
4084634	38HDR036−51	CNPH*4221A**	58MV(B,C)060−14	33,400	11.5	14.0
1390632	38HDR036−51	CNPH*4221A**	58MV(B,C)080−14	33,400	11.5	14.0
4084635	38HDR036−51	CNPH*4221A**	58MV(B,C)080−14	33,400	11.5	14.0
1390650	38HDR036−51	CNPH*4221A**	58MV(B,C)080−20	33,400	11.5	14.0
4084636	38HDR036−51	CNPH*4221A**	58MV(B,C)080−20	33,400	11.5	14.0
1390668	38HDR036−51	CNPH*4221A**	58MV(B,C)100−20	33,400	11.5	14.0
4084637	38HDR036−51	CNPH*4221A**	58MV(B,C)100−20	33,400	11.5	14.0
1390678	38HDR036−51	CNPH*4221A**	58MV(B,C)120−20	33,400	11.5	14.5
4084638	38HDR036−51	CNPH*4221A**	58MV(B,C)120−20	33,400	11.5	14.5
3015481	38HDR036−51	CNPH*4221A**	58PH*045−08	33,400	11.5	14.0
4084639	38HDR036−51	CNPH*4221A**	58PH*045−08	33,400	11.5	14.0
3015482	38HDR036−51	CNPH*4221A**	58PH*070−16	33,400	11.5	14.0
4084640	38HDR036−51	CNPH*4221A**	58PH*070−16	33,400	11.5	14.0
3015483	38HDR036−51	CNPH*4221A**	58PH*090−16	33,400	12.0	14.5
4084641	38HDR036−51	CNPH*4221A**	58PH*090−16	33,400	12.0	14.5
3015484	38HDR036−51	CNPH*4221A**	58PH*110−20	33,400	12.0	14.5
4084642	38HDR036−51	CNPH*4221A**	58PH*110−20	33,400	12.0	14.5
4114088	38HDR036−51	CNPH*4221A**	58VLR105−12	33,400	12.0	14.5
4114090	38HDR036−51	CNPH*4221A**	58VLR120−20	33,400	12.0	14.5
4114087	38HDR036−51	CNPH*4221A**	58VMR105−12	33,400	12.0	14.5
4114089	38HDR036−51	CNPH*4221A**	58VMR120−20	33,400	12.0	14.5
4816647	38HDR036−51	CNPH*4221A**	59*N*A060V17**14	33,000	12.0	14.5
4816648	38HDR036−51	CNPH*4221A**	59*N*A080V17**14	33,200	12.0	14.5
4816649	38HDR036−51	CNPH*4221A**	59*N*A100V21**20	33,200	12.0	14.5
4816650	38HDR036−51	CNPH*4221A**	59*N*A120V24**22	33,400	12.5	15.0
4816651	38HDR036−51	CNPH*4221A**	59*P5A060E17**14	33,400	12.0	14.5
4816652	38HDR036−51	CNPH*4221A**	59*P5A080E17**16	33,400	12.0	14.5
4114092	38HDR036−51	CNPH*4221A**	OVLAAB036098	33,400	11.5	14.0
4114094	38HDR036−51	CNPH*4221A**	OVLAAB048112	33,400	12.0	14.5
4114095	38HDR036−51	CNPH*4221A**	OVLAAB060154	33,400	12.0	14.5
4114091	38HDR036−51	CNPH*4221A**	OVMAAB036098	33,400	11.5	14.0
4114093	38HDR036−51	CNPH*4221A**	OVMAAB042112	33,400	12.0	14.5
1145856	38HDR036−51	CNPH*4221A**+TDR		33,400	11.0	13.0
4084643	38HDR036−51	CNPH*4221A**+TDR		33,400	11.0	13.0
4114098	38HDR036−51	CNPH*4321A**	58VLR105−12	33,800	12.0	14.5
4114100	38HDR036−51	CNPH*4321A**	58VLR120−20	33,800	12.0	14.5
4114097	38HDR036−51	CNPH*4321A**	58VMR105−12	33,800	12.0	14.5
4114099	38HDR036−51	CNPH*4321A**	58VMR120−20	33,800	12.0	14.5
4816653	38HDR036−51	CNPH*4321A**	59*N*A060V17**14	34,000	12.5	15.2
4816654	38HDR036−51	CNPH*4321A**	59*N*A080V17**14	34,000	12.5	15.2
4816655	38HDR036−51	CNPH*4321A**	59*N*A100V21**20	34,200	12.5	15.2
4816656	38HDR036−51	CNPH*4321A**	59*N*A120V24**22	34,200	12.7	15.5
4816657	38HDR036−51	CNPH*4321A**	59*P5A060E17**14	34,400	12.5	15.0

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4816658	38HDR036−51	CNPH*4321A**	59*P5A080E17**16	34,400	12.5	15.2
4114102	38HDR036−51	CNPH*4321A**	OVLAAB036098	33,800	12.0	14.5
4114104	38HDR036−51	CNPH*4321A**	OVLAAB048112	33,800	12.0	14.5
4114105	38HDR036−51	CNPH*4321A**	OVLAAB060154	33,800	12.0	14.5
4114101	38HDR036−51	CNPH*4321A**	OVMAAB036098	33,800	12.0	14.5
4114103	38HDR036−51	CNPH*4321A**	OVMAAB042112	33,800	12.0	14.5
4114096	38HDR036−51	CNPH*4321A**+TDR		33,800	11.0	13.0
4084644	38HDR036−51	CNPV*3617A**	58CV(A,X)070−12	33,000	11.5	14.0
4084645	38HDR036−51	CNPV*3617A**	58CV(A,X)090−16	33,000	11.5	13.5
4129779	38HDR036−51	CNPV*3617A**	58HDV040−−12	33,000	11.5	13.5
4129780	38HDR036−51	CNPV*3617A**	58HDV060−−12	33,000	11.5	14.0
4084646	38HDR036−51	CNPV*3617A**	58ME(B,C)040−12	33,000	12.0	14.5
4084647	38HDR036−51	CNPV*3617A**	58ME(B,C)060−12	33,000	12.0	14.5
4084648	38HDR036−51	CNPV*3617A**	58ME(B,C)080−12	33,000	12.0	14.5
4084649	38HDR036−51	CNPV*3617A**	58ME(B,C)080−16	33,000	12.0	14.5
4084650	38HDR036−51	CNPV*3617A**	58MEB040−12	33,000	12.0	14.5
4084651	38HDR036−51	CNPV*3617A**	58MV(B,C)060−14	33,000	11.5	13.5
4084652	38HDR036−51	CNPV*3617A**	58PH*070−16	33,000	11.5	14.0
4084653	38HDR036−51	CNPV*3617A**	58UVB060−14	33,000	11.5	13.5
4114054	38HDR036−51	CNPV*3617A**	58VLR105−12	33,200	12.0	14.5
4114053	38HDR036−51	CNPV*3617A**	58VMR105−12	33,000	12.0	14.5
4816617	38HDR036−51	CNPV*3617A**	59*N*A060V17**14	30,000	11.8	14.2
4816618	38HDR036−51	CNPV*3617A**	59*N*A080V17**14	32,800	12.0	14.5
4816619	38HDR036−51	CNPV*3617A**	59*P5A060E17**14	33,000	11.8	14.2
4816620	38HDR036−51	CNPV*3617A**	59*P5A080E17**16	33,000	12.0	14.5
4114056	38HDR036−51	CNPV*3617A**	OVLAAB036098	33,000	11.5	14.0
4114055	38HDR036−51	CNPV*3617A**	OVMAAB036098	33,200	11.5	14.0
4114057	38HDR036−51	CNPV*3617A**	OVMAAB042112	33,200	12.0	14.5
4084654	38HDR036−51	CNPV*3617A**+TDR		33,000	11.0	13.0
4084655	38HDR036−51	CNPV*3621A**	58CV(A,X)090−16	33,000	11.5	14.5
4084656	38HDR036−51	CNPV*3621A**	58CV(A,X)110−20	33,000	11.5	13.5
4129781	38HDR036−51	CNPV*3621A**	58HDV040−−12	33,000	11.5	13.5
4129782	38HDR036−51	CNPV*3621A**	58HDV060−−12	33,200	11.5	14.0
4129783	38HDR036−51	CNPV*3621A**	58HDV080−−20	33,200	12.0	14.5
4084657	38HDR036−51	CNPV*3621A**	58ME(B,C)100−20	33,000	12.0	14.5
4084658	38HDR036−51	CNPV*3621A**	58MV(B,C)060−14	33,000	11.5	14.5
4084659	38HDR036−51	CNPV*3621A**	58MV(B,C)080−14	33,000	11.5	13.5
4084660	38HDR036−51	CNPV*3621A**	58MV(B,C)080−20	33,000	11.5	13.5
4084661	38HDR036−51	CNPV*3621A**	58MV(B,C)100−20	33,000	11.5	13.5
4084662	38HDR036−51	CNPV*3621A**	58PH*090−16	33,000	12.0	14.5
4084663	38HDR036−51	CNPV*3621A**	58PH*110−20	33,000	12.0	14.5
4084664	38HDR036−51	CNPV*3621A**	58UVB060−14	33,000	11.5	14.5
4084665	38HDR036−51	CNPV*3621A**	58UVB080−14	33,000	11.5	13.5
4084666	38HDR036−51	CNPV*3621A**	58UVB080−20	33,000	11.5	13.5
4084667	38HDR036−51	CNPV*3621A**	58UVB100−20	33,000	11.5	13.5
4114059	38HDR036−51	CNPV*3621A**	58VLR120−20	33,200	12.0	14.5
4114058	38HDR036−51	CNPV*3621A**	58VMR120−20	33,200	12.0	14.5
4816621	38HDR036−51	CNPV*3621A**	59*N*A060V17**14	30,000	11.8	14.2
4816622	38HDR036−51	CNPV*3621A**	59*N*A080V17**14	32,800	12.0	14.5
4816623	38HDR036−51	CNPV*3621A**	59*N*A100V21**20	33,000	12.0	14.5
4816624	38HDR036−51	CNPV*3621A**	59*P5A060E17**14	33,000	11.8	14.2
4816625	38HDR036−51	CNPV*3621A**	59*P5A080E17**16	33,000	12.0	14.5
4114060	38HDR036−51	CNPV*3621A**	OVLAAB048112	33,200	11.5	14.0
4084668	38HDR036−51	CNPV*3621A**+TDR		33,000	11.0	13.0
4129784	38HDR036−51	CNPV*3717A**	58HDV040−−12	33,400	12.0	14.5
4129785	38HDR036−51	CNPV*3717A**	58HDV060−−12	33,400	12.0	14.5
4114062	38HDR036−51	CNPV*3717A**	58VLR105−12	33,400	12.0	14.5
4114061	38HDR036−51	CNPV*3717A**	58VMR105−12	33,400	12.0	14.5
4816626	38HDR036−51	CNPV*3717A**	59*N*A060V17**14	33,800	12.5	15.0
4816627	38HDR036−51	CNPV*3717A**	59*N*A080V17**14	34,000	12.5	15.2
4816628	38HDR036−51	CNPV*3717A**	59*P5A060E17**14	34,400	12.5	15.0
4816629	38HDR036−51	CNPV*3717A**	59*P5A080E17**16	34,400	12.5	15.0
4114064	38HDR036−51	CNPV*3717A**	OVLAAB036098	33,400	12.0	14.5
4114063	38HDR036−51	CNPV*3717A**	OVMAAB036098	33,400	12.0	14.5
4114065	38HDR036−51	CNPV*3717A**	OVMAAB042112	33,400	12.0	14.5
4084669	38HDR036−51	CNPV*4217A**	58CV(A,X)090−16	33,400	12.0	14.5
4129786	38HDR036−51	CNPV*4217A**	58HDV040−−12	33,400	11.5	14.0
4129787	38HDR036−51	CNPV*4217A**	58HDV060−−12	33,400	12.0	14.5
4084670	38HDR036−51	CNPV*4217A**	58ME(B,C)040−12	33,400	12.0	14.5
4084671	38HDR036−51	CNPV*4217A**	58ME(B,C)060−12	33,400	12.0	14.5
4084672	38HDR036−51	CNPV*4217A**	58ME(B,C)080−12	33,400	12.0	14.5
4084673	38HDR036−51	CNPV*4217A**	58ME(B,C)080−16	33,400	12.0	14.5
4084674	38HDR036−51	CNPV*4217A**	58MEB040−12	33,400	12.0	14.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4084675	38HDR036−51	CNPV*4217A**	58MV(B,C)060−14	33,400	12.0	14.5
4084676	38HDR036−51	CNPV*4217A**	58PH*070−16	33,400	12.0	14.5
4084677	38HDR036−51	CNPV*4217A**	58UVB060−14	33,400	12.0	14.5
4114067	38HDR036−51	CNPV*4217A**	58VLR105−12	33,400	12.0	14.5
4114066	38HDR036−51	CNPV*4217A**	58VMR105−12	33,400	12.0	14.5
4816630	38HDR036−51	CNPV*4217A**	59*N*A060V17**14	33,200	12.0	14.5
4816631	38HDR036−51	CNPV*4217A**	59*N*A080V17**14	33,400	12.0	14.5
4816632	38HDR036−51	CNPV*4217A**	59*P5A060E17**14	33,600	12.0	14.5
4816633	38HDR036−51	CNPV*4217A**	59*P5A080E17**16	33,600	12.0	14.5
4114069	38HDR036−51	CNPV*4217A**	OVLAAB036098	33,400	12.0	14.5
4114068	38HDR036−51	CNPV*4217A**	OVMAAB036098	33,400	12.0	14.5
4114070	38HDR036−51	CNPV*4217A**	OVMAAB042112	33,400	12.0	14.5
4084678	38HDR036−51	CNPV*4217A**+TDR		33,400	11.0	13.0
4084679	38HDR036−51	CNPV*4221A**	58CV(A,X)090−16	33,400	11.5	14.5
4084680	38HDR036−51	CNPV*4221A**	58CV(A,X)110−20	33,400	11.5	14.5
4129788	38HDR036−51	CNPV*4221A**	58HDV040−−12	33,400	11.5	14.0
4129789	38HDR036−51	CNPV*4221A**	58HDV060−−12	33,400	11.5	14.0
4129790	38HDR036−51	CNPV*4221A**	58HDV080−−20	33,400	12.0	14.5
4084681	38HDR036−51	CNPV*4221A**	58ME(B,C)100−20	33,400	12.0	14.5
4084682	38HDR036−51	CNPV*4221A**	58MV(B,C)060−14	33,400	11.5	14.5
4084683	38HDR036−51	CNPV*4221A**	58MV(B,C)080−14	33,400	11.5	14.0
4084684	38HDR036−51	CNPV*4221A**	58MV(B,C)080−20	33,400	11.5	14.0
4084685	38HDR036−51	CNPV*4221A**	58MV(B,C)100−20	33,400	11.5	14.0
4084686	38HDR036−51	CNPV*4221A**	58PH*090−16	33,400	12.0	14.5
4084687	38HDR036−51	CNPV*4221A**	58PH*110−20	33,400	12.0	14.5
4084688	38HDR036−51	CNPV*4221A**	58UVB060−14	33,400	11.5	14.5
4084689	38HDR036−51	CNPV*4221A**	58UVB080−14	33,400	11.5	14.0
4084690	38HDR036−51	CNPV*4221A**	58UVB080−20	33,400	11.5	14.0
4084691	38HDR036−51	CNPV*4221A**	58UVB100−20	33,400	11.5	14.0
4114072	38HDR036−51	CNPV*4221A**	58VLR120−20	33,400	12.0	14.5
4114071	38HDR036−51	CNPV*4221A**	58VMR120−20	33,400	12.0	14.5
4816634	38HDR036−51	CNPV*4221A**	59*N*A060V17**14	33,000	12.0	14.5
4816635	38HDR036−51	CNPV*4221A**	59*N*A080V17**14	33,200	12.0	14.5
4816636	38HDR036−51	CNPV*4221A**	59*N*A100V21**20	33,200	12.0	14.5
4816637	38HDR036−51	CNPV*4221A**	59*P5A060E17**14	33,400	12.0	14.5
4816638	38HDR036−51	CNPV*4221A**	59*P5A080E17**16	33,400	12.0	14.5
4114073	38HDR036−51	CNPV*4221A**	OVLAAB048112	33,400	12.0	14.5
4129791	38HDR036−51	CNPV*4324A**	58HDV080−−20	33,800	12.0	14.5
4114074	38HDR036−51	CNPV*4324A**	58HDV100−−20	33,800	12.0	14.5
4816639	38HDR036−51	CNPV*4324A**	59*N*A100V21**20	34,200	12.7	15.5
4816640	38HDR036−51	CNPV*4324A**	59*N*A120V24**22	34,200	12.7	15.5
1117172	38HDR036−51	CSPH*3612A**	58CV(A,X)070−12	33,000	11.5	14.0
4084693	38HDR036−51	CSPH*3612A**	58CV(A,X)070−12	33,000	11.5	14.0
1117174	38HDR036−51	CSPH*3612A**	58CV(A,X)090−16	33,000	11.5	14.5
4084694	38HDR036−51	CSPH*3612A**	58CV(A,X)090−16	33,000	11.5	14.5
1117176	38HDR036−51	CSPH*3612A**	58CV(A,X)110−20	33,000	11.5	14.5
4084695	38HDR036−51	CSPH*3612A**	58CV(A,X)110−20	33,000	11.5	14.5
1117178	38HDR036−51	CSPH*3612A**	58CV(A,X)135−22	33,000	11.5	14.5
4084696	38HDR036−51	CSPH*3612A**	58CV(A,X)135−22	33,000	11.5	14.5
1117180	38HDR036−51	CSPH*3612A**	58CV(A,X)155−22	33,000	11.5	14.5
4084697	38HDR036−51	CSPH*3612A**	58CV(A,X)155−22	33,000	11.5	14.5
3613114	38HDR036−51	CSPH*3612A**	58ME(B,C)040−12	33,000	12.0	14.5
4084698	38HDR036−51	CSPH*3612A**	58ME(B,C)040−12	33,000	12.0	14.5
3116315	38HDR036−51	CSPH*3612A**	58ME(B,C)060−12	33,000	12.0	14.5
4084699	38HDR036−51	CSPH*3612A**	58ME(B,C)060−12	33,000	12.0	14.5
3116316	38HDR036−51	CSPH*3612A**	58ME(B,C)080−12	33,000	12.0	14.5
4084700	38HDR036−51	CSPH*3612A**	58ME(B,C)080−12	33,000	12.0	14.5
3116317	38HDR036−51	CSPH*3612A**	58ME(B,C)080−16	33,000	12.0	14.5
4084701	38HDR036−51	CSPH*3612A**	58ME(B,C)080−16	33,000	12.0	14.5
3116318	38HDR036−51	CSPH*3612A**	58ME(B,C)100−20	33,000	12.0	14.5
4084702	38HDR036−51	CSPH*3612A**	58ME(B,C)100−20	33,000	12.0	14.5
3116314	38HDR036−51	CSPH*3612A**	58MEB040−12	33,000	12.0	14.5
4084703	38HDR036−51	CSPH*3612A**	58MEB040−12	33,000	12.0	14.5
1390598	38HDR036−51	CSPH*3612A**	58MV(B,C)060−14	33,000	11.5	14.5
4084704	38HDR036−51	CSPH*3612A**	58MV(B,C)060−14	33,000	11.5	14.5
1390618	38HDR036−51	CSPH*3612A**	58MV(B,C)080−14	33,000	11.5	14.0
4084705	38HDR036−51	CSPH*3612A**	58MV(B,C)080−14	33,000	11.5	14.0
1390636	38HDR036−51	CSPH*3612A**	58MV(B,C)080−20	33,000	11.5	14.0
4084706	38HDR036−51	CSPH*3612A**	58MV(B,C)080−20	33,000	11.5	14.0
1390652	38HDR036−51	CSPH*3612A**	58MV(B,C)100−20	33,000	11.5	14.5
4084707	38HDR036−51	CSPH*3612A**	58MV(B,C)100−20	33,000	11.5	14.5
1390670	38HDR036−51	CSPH*3612A**	58MV(B,C)120−20	33,000	11.5	14.5
4084708	38HDR036−51	CSPH*3612A**	58MV(B,C)120−20	33,000	11.5	14.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3015485	38HDR036−51	CSPH*3612A**	58PH*045−08	33,000	11.5	14.0
4084709	38HDR036−51	CSPH*3612A**	58PH*045−08	33,000	11.5	14.0
3015486	38HDR036−51	CSPH*3612A**	58PH*070−16	33,000	11.5	14.0
4084710	38HDR036−51	CSPH*3612A**	58PH*070−16	33,000	11.5	14.0
3015487	38HDR036−51	CSPH*3612A**	58PH*090−16	33,000	12.0	14.5
4084711	38HDR036−51	CSPH*3612A**	58PH*090−16	33,000	12.0	14.5
3015488	38HDR036−51	CSPH*3612A**	58PH*110−20	33,000	12.0	14.5
4084712	38HDR036−51	CSPH*3612A**	58PH*110−20	33,000	12.0	14.5
4114107	38HDR036−51	CSPH*3612A**	58VLR105−12	33,000	12.0	14.5
4114109	38HDR036−51	CSPH*3612A**	58VLR120−20	33,000	12.0	14.5
4114106	38HDR036−51	CSPH*3612A**	58VMR105−12	33,000	12.0	14.5
4114108	38HDR036−51	CSPH*3612A**	58VMR120−20	33,000	12.0	14.5
4816659	38HDR036−51	CSPH*3612A**	59*N*A060V17**14	33,400	12.0	14.5
4816660	38HDR036−51	CSPH*3612A**	59*N*A080V17**14	33,600	12.5	15.0
4816661	38HDR036−51	CSPH*3612A**	59*N*A100V21**20	33,800	12.5	15.0
4816662	38HDR036−51	CSPH*3612A**	59*N*A120V24**22	33,800	12.5	15.2
4816663	38HDR036−51	CSPH*3612A**	59*P5A060E17**14	33,800	12.0	14.5
4816664	38HDR036−51	CSPH*3612A**	59*P5A080E17**16	33,800	12.0	14.5
4114111	38HDR036−51	CSPH*3612A**	OVLAAB036098	33,000	12.0	14.5
4114113	38HDR036−51	CSPH*3612A**	OVLAAB048112	33,000	12.0	14.5
4114110	38HDR036−51	CSPH*3612A**	OVMAAB036098	33,000	12.0	14.5
4114112	38HDR036−51	CSPH*3612A**	OVMAAB042112	33,000	12.0	14.5
1117158	38HDR036−51	CSPH*3612A**+TDR		33,000	11.0	13.0
4084713	38HDR036−51	CSPH*3612A**+TDR		33,000	11.0	13.0
1117196	38HDR036−51	CSPH*4212A**	58CV(A,X)070−12	33,400	11.5	14.0
4084714	38HDR036−51	CSPH*4212A**	58CV(A,X)070−12	33,400	11.5	14.0
1117198	38HDR036−51	CSPH*4212A**	58CV(A,X)090−16	33,400	11.5	14.5
4084715	38HDR036−51	CSPH*4212A**	58CV(A,X)090−16	33,400	11.5	14.5
1117200	38HDR036−51	CSPH*4212A**	58CV(A,X)110−20	33,400	11.5	14.5
4084716	38HDR036−51	CSPH*4212A**	58CV(A,X)110−20	33,400	11.5	14.5
1117202	38HDR036−51	CSPH*4212A**	58CV(A,X)135−22	33,400	11.5	14.5
4084717	38HDR036−51	CSPH*4212A**	58CV(A,X)135−22	33,400	11.5	14.5
1117204	38HDR036−51	CSPH*4212A**	58CV(A,X)155−22	33,400	11.5	14.5
4084718	38HDR036−51	CSPH*4212A**	58CV(A,X)155−22	33,400	11.5	14.5
3613115	38HDR036−51	CSPH*4212A**	58ME(B,C)040−12	33,400	12.0	14.5
4084719	38HDR036−51	CSPH*4212A**	58ME(B,C)040−12	33,400	12.0	14.5
3116320	38HDR036−51	CSPH*4212A**	58ME(B,C)060−12	33,400	12.0	14.5
4084720	38HDR036−51	CSPH*4212A**	58ME(B,C)060−12	33,400	12.0	14.5
3116321	38HDR036−51	CSPH*4212A**	58ME(B,C)080−12	33,400	12.0	14.5
4084721	38HDR036−51	CSPH*4212A**	58ME(B,C)080−12	33,400	12.0	14.5
3116322	38HDR036−51	CSPH*4212A**	58ME(B,C)080−16	33,400	12.0	14.5
4084722	38HDR036−51	CSPH*4212A**	58ME(B,C)080−16	33,400	12.0	14.5
3116323	38HDR036−51	CSPH*4212A**	58ME(B,C)100−20	33,400	12.0	14.5
4084723	38HDR036−51	CSPH*4212A**	58ME(B,C)100−20	33,400	12.0	14.5
3116319	38HDR036−51	CSPH*4212A**	58MEB040−12	33,400	12.0	14.5
4084724	38HDR036−51	CSPH*4212A**	58MEB040−12	33,400	12.0	14.5
1390600	38HDR036−51	CSPH*4212A**	58MV(B,C)060−14	33,400	11.5	14.0
4084725	38HDR036−51	CSPH*4212A**	58MV(B,C)060−14	33,400	11.5	14.0
1390620	38HDR036−51	CSPH*4212A**	58MV(B,C)080−14	33,400	11.5	14.0
4084726	38HDR036−51	CSPH*4212A**	58MV(B,C)080−14	33,400	11.5	14.0
1390638	38HDR036−51	CSPH*4212A**	58MV(B,C)080−20	33,400	11.5	14.0
4084727	38HDR036−51	CSPH*4212A**	58MV(B,C)080−20	33,400	11.5	14.0
1390654	38HDR036−51	CSPH*4212A**	58MV(B,C)100−20	33,400	11.5	14.0
4084728	38HDR036−51	CSPH*4212A**	58MV(B,C)100−20	33,400	11.5	14.0
1390672	38HDR036−51	CSPH*4212A**	58MV(B,C)120−20	33,400	11.5	14.0
4084729	38HDR036−51	CSPH*4212A**	58MV(B,C)120−20	33,400	11.5	14.0
3015489	38HDR036−51	CSPH*4212A**	58PH*045−08	33,400	11.5	14.0
4084730	38HDR036−51	CSPH*4212A**	58PH*045−08	33,400	11.5	14.0
3015490	38HDR036−51	CSPH*4212A**	58PH*070−16	33,400	11.5	14.0
4084731	38HDR036−51	CSPH*4212A**	58PH*070−16	33,400	11.5	14.0
3015491	38HDR036−51	CSPH*4212A**	58PH*090−16	33,400	12.0	14.5
4084732	38HDR036−51	CSPH*4212A**	58PH*090−16	33,400	12.0	14.5
3015492	38HDR036−51	CSPH*4212A**	58PH*110−20	33,400	12.0	14.5
4084733	38HDR036−51	CSPH*4212A**	58PH*110−20	33,400	12.0	14.5
4114115	38HDR036−51	CSPH*4212A**	58VLR105−12	33,400	12.0	14.5
4114117	38HDR036−51	CSPH*4212A**	58VLR120−20	33,400	12.0	14.5
4114114	38HDR036−51	CSPH*4212A**	58VMR105−12	33,400	12.0	14.5
4114116	38HDR036−51	CSPH*4212A**	58VMR120−20	33,400	12.0	14.5
4816665	38HDR036−51	CSPH*4212A**	59*N*A060V17**14	33,600	12.5	15.0
4816666	38HDR036−51	CSPH*4212A**	59*N*A080V17**14	33,800	12.5	15.0
4816667	38HDR036−51	CSPH*4212A**	59*N*A100V21**20	34,000	12.5	15.2
4816668	38HDR036−51	CSPH*4212A**	59*N*A120V24**22	34,000	12.5	15.2
4816669	38HDR036−51	CSPH*4212A**	59*P5A060E17**14	34,200	12.0	14.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4816670	38HDR036−51	CSPH*4212A**	59*P5A080E17**16	34,000	12.5	15.0
4114119	38HDR036−51	CSPH*4212A**	OVLAAB036098	33,400	12.0	14.5
4114121	38HDR036−51	CSPH*4212A**	OVLAAB048112	33,400	12.0	14.5
4114122	38HDR036−51	CSPH*4212A**	OVLAAB060154	33,400	12.0	14.5
4114118	38HDR036−51	CSPH*4212A**	OVMAAB036098	33,400	12.0	14.5
4114120	38HDR036−51	CSPH*4212A**	OVMAAB042112	33,400	12.0	14.5
1117182	38HDR036−51	CSPH*4212A**+TDR		33,400	11.0	13.0
4084734	38HDR036−51	CSPH*4212A**+TDR		33,400	11.0	13.0
4084312	38HDR036−51	FB4CNF036+TXV		33,400	11.5	14.0
4084313	38HDR036−51	FB4CNF042+TXV		34,400	12.0	14.5
1117216	38HDR036−51	FE4AN(B,F)003+UI		33,000	11.5	14.0
4084735	38HDR036−51	FE4AN(B,F)003+UI		33,000	11.5	14.0
1117218	38HDR036−51	FE4AN(B,F)005+UI		33,400	12.5	15.0
4084736	38HDR036−51	FE4AN(B,F)005+UI		33,400	12.5	15.0
1117220	38HDR036−51	FE4ANB006+UI		33,400	12.5	15.0
4084737	38HDR036−51	FE4ANB006+UI		33,400	12.5	15.0
1117214	38HDR036−51	FE4ANF002+UI		33,000	11.5	13.5
4084738	38HDR036−51	FE4ANF002+UI		33,000	11.5	13.5
1117222	38HDR036−51	FF1ENP036		33,000	11.0	13.0
4084739	38HDR036−51	FF1ENP036		33,000	11.0	13.0
3404631	38HDR036−51	FV4CNB006		33,400	12.5	15.0
4084742	38HDR036−51	FV4CNB006		33,400	12.5	15.0
3404630	38HDR036−51	FV4CNF002		33,000	11.5	13.5
4084743	38HDR036−51	FV4CNF002		33,000	11.5	13.5
3752295	38HDR036−51	FX4DN(B,F)037		33,800	12.5	15.0
4084746	38HDR036−51	FX4DN(B,F)037		33,800	12.5	15.0
3752296	38HDR036−51	FX4DN(B,F)043		33,800	12.5	15.0
4084747	38HDR036−51	FX4DN(B,F)043		33,800	12.5	15.0
3752297	38HDR036−51	FX4DN(B,F)049		34,200	12.5	15.0
4084748	38HDR036−51	FX4DN(B,F)049		34,200	12.5	15.0
4084314	38HDR036−51	FY5BNF036+TXV		33,400	11.5	14.0
4084315	38HDR036−51	FY5BNF042+TXV		34,400	12.0	14.5
4084896	38HDR036−61	†CNPV*4221A**+TDR		33,400	11.0	13.0
1117488	38HDR036−61	CAP**3614A**	58CV(A,X)070−12	32,600	11.5	13.5
4084751	38HDR036−61	CAP**3614A**	58CV(A,X)070−12	32,600	11.5	13.5
3015493	38HDR036−61	CAP**3614A**	58PH*045−08	33,000	11.5	14.0
4084752	38HDR036−61	CAP**3614A**	58PH*045−08	33,000	11.5	14.0
1117486	38HDR036−61	CAP**3614A**+TDR		32,600	11.0	13.0
4084753	38HDR036−61	CAP**3614A**+TDR		32,600	11.0	13.0
1117670	38HDR036−61	CAP**3617A**	58CV(A,X)070−12	33,000	11.5	14.0
4084754	38HDR036−61	CAP**3617A**	58CV(A,X)070−12	33,000	11.5	14.0
1117494	38HDR036−61	CAP**3617A**	58CV(A,X)090−16	33,000	11.5	14.0
4084755	38HDR036−61	CAP**3617A**	58CV(A,X)090−16	33,000	11.5	14.0
3613116	38HDR036−61	CAP**3617A**	58ME(B,C)040−12	33,000	12.0	14.5
4084756	38HDR036−61	CAP**3617A**	58ME(B,C)040−12	33,000	12.0	14.5
3116354	38HDR036−61	CAP**3617A**	58ME(B,C)060−12	33,000	12.0	14.5
4084757	38HDR036−61	CAP**3617A**	58ME(B,C)060−12	33,000	12.0	14.5
3116355	38HDR036−61	CAP**3617A**	58ME(B,C)080−12	33,000	12.0	14.5
4084758	38HDR036−61	CAP**3617A**	58ME(B,C)080−12	33,000	12.0	14.5
3116356	38HDR036−61	CAP**3617A**	58ME(B,C)080−16	33,000	12.0	14.5
4084759	38HDR036−61	CAP**3617A**	58ME(B,C)080−16	33,000	12.0	14.5
3116353	38HDR036−61	CAP**3617A**	58MEB040−12	33,000	12.0	14.5
4084760	38HDR036−61	CAP**3617A**	58MEB040−12	33,000	12.0	14.5
1390680	38HDR036−61	CAP**3617A**	58MV(B,C)060−14	33,000	11.5	13.5
4084761	38HDR036−61	CAP**3617A**	58MV(B,C)060−14	33,000	11.5	13.5
3015494	38HDR036−61	CAP**3617A**	58PH*070−16	33,000	11.5	14.0
4084762	38HDR036−61	CAP**3617A**	58PH*070−16	33,000	11.5	14.0
3673406	38HDR036−61	CAP**3617A**	58UVB060−14	33,000	11.5	13.5
4084763	38HDR036−61	CAP**3617A**	58UVB060−14	33,000	11.5	13.5
4114167	38HDR036−61	CAP**3617A**	58VLR105−12	33,200	12.0	14.5
4114166	38HDR036−61	CAP**3617A**	58VMR105−12	33,200	12.0	14.5
4816671	38HDR036−61	CAP**3617A**	59*N*A060V17**14	32,800	12.0	14.5
4816672	38HDR036−61	CAP**3617A**	59*N*A080V17**14	32,800	12.0	14.5
4816673	38HDR036−61	CAP**3617A**	59*P5A060E17**14	33,200	11.8	14.2
4816674	38HDR036−61	CAP**3617A**	59*P5A080E17**16	33,200	12.0	14.5
4114169	38HDR036−61	CAP**3617A**	OVLAAB036098	33,200	11.5	14.0
4114168	38HDR036−61	CAP**3617A**	OVMAAB036098	33,200	11.5	14.0
4114170	38HDR036−61	CAP**3617A**	OVMAAB042112	33,200	12.0	14.5
1117490	38HDR036−61	CAP**3617A**+TDR		33,000	11.0	13.0
4084764	38HDR036−61	CAP**3617A**+TDR		33,000	11.0	13.0
4816687	38HDR036−61	CAP**3619A**	59*N*A060V17**14	32,800	12.0	14.5
4816688	38HDR036−61	CAP**3619A**	59*N*A080V17**14	32,800	12.0	14.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4816689	38HDR036−61	CAP**3619A**	59*N*A100V21**20	33,000	12.0	14.5
4816690	38HDR036−61	CAP**3619A**	59*P5A060E17**14	33,200	11.8	14.2
4816691	38HDR036−61	CAP**3619A**	59*P5A080E17**16	33,200	12.0	14.5
1117674	38HDR036−61	CAP**3621A**	58CV(A,X)090−16	33,000	11.5	14.0
4084765	38HDR036−61	CAP**3621A**	58CV(A,X)090−16	33,000	11.5	14.0
1117504	38HDR036−61	CAP**3621A**	58CV(A,X)110−20	33,000	11.5	14.0
4084766	38HDR036−61	CAP**3621A**	58CV(A,X)110−20	33,000	11.5	14.0
3116357	38HDR036−61	CAP**3621A**	58ME(B,C)100−20	33,000	12.0	14.5
4084767	38HDR036−61	CAP**3621A**	58ME(B,C)100−20	33,000	12.0	14.5
1390692	38HDR036−61	CAP**3621A**	58MV(B,C)060−14	33,000	11.5	14.0
4084768	38HDR036−61	CAP**3621A**	58MV(B,C)060−14	33,000	11.5	14.0
1390700	38HDR036−61	CAP**3621A**	58MV(B,C)080−14	33,000	11.5	13.5
4084769	38HDR036−61	CAP**3621A**	58MV(B,C)080−14	33,000	11.5	13.5
1390718	38HDR036−61	CAP**3621A**	58MV(B,C)080−20	33,000	11.5	13.5
4084770	38HDR036−61	CAP**3621A**	58MV(B,C)080−20	33,000	11.5	13.5
1390736	38HDR036−61	CAP**3621A**	58MV(B,C)100−20	33,000	11.5	14.0
4084771	38HDR036−61	CAP**3621A**	58MV(B,C)100−20	33,000	11.5	14.0
3015495	38HDR036−61	CAP**3621A**	58PH*090−16	33,000	12.0	14.5
4084772	38HDR036−61	CAP**3621A**	58PH*090−16	33,000	12.0	14.5
3015496	38HDR036−61	CAP**3621A**	58PH*110−20	33,000	12.0	14.5
4084773	38HDR036−61	CAP**3621A**	58PH*110−20	33,000	12.0	14.5
3673407	38HDR036−61	CAP**3621A**	58UVB060−14	33,000	11.5	14.0
4084774	38HDR036−61	CAP**3621A**	58UVB060−14	33,000	11.5	14.0
3673409	38HDR036−61	CAP**3621A**	58UVB080−14	33,000	11.5	13.5
4084775	38HDR036−61	CAP**3621A**	58UVB080−14	33,000	11.5	13.5
3673412	38HDR036−61	CAP**3621A**	58UVB080−20	33,000	11.5	13.5
4084776	38HDR036−61	CAP**3621A**	58UVB080−20	33,000	11.5	13.5
3673415	38HDR036−61	CAP**3621A**	58UVB100−20	33,000	11.5	14.0
4084777	38HDR036−61	CAP**3621A**	58UVB100−20	33,000	11.5	14.0
4114172	38HDR036−61	CAP**3621A**	58VLR120−20	33,200	12.0	14.5
4114171	38HDR036−61	CAP**3621A**	58VMR120−20	33,200	12.0	14.5
4816675	38HDR036−61	CAP**3621A**	59*N*A060V17**14	32,800	12.0	14.5
4816676	38HDR036−61	CAP**3621A**	59*N*A080V17**14	33,000	12.0	14.5
4816677	38HDR036−61	CAP**3621A**	59*N*A100V21**20	33,000	12.0	14.5
4816678	38HDR036−61	CAP**3621A**	59*P5A060E17**14	33,200	12.0	14.5
4816679	38HDR036−61	CAP**3621A**	59*P5A080E17**16	33,200	12.0	14.5
4114173	38HDR036−61	CAP**3621A**	OVLAAB048112	33,200	12.0	14.5
1117496	38HDR036−61	CAP**3621A**+TDR		33,000	11.0	13.0
4084778	38HDR036−61	CAP**3621A**+TDR		33,000	11.0	13.0
1117678	38HDR036−61	CAP**4221A**	58CV(A,X)090−16	33,400	11.5	14.0
4084779	38HDR036−61	CAP**4221A**	58CV(A,X)090−16	33,400	11.5	14.0
1117514	38HDR036−61	CAP**4221A**	58CV(A,X)110−20	33,400	11.5	14.0
4084780	38HDR036−61	CAP**4221A**	58CV(A,X)110−20	33,400	11.5	14.0
3116358	38HDR036−61	CAP**4221A**	58ME(B,C)100−20	33,400	12.0	14.5
4084781	38HDR036−61	CAP**4221A**	58ME(B,C)100−20	33,400	12.0	14.5
1390694	38HDR036−61	CAP**4221A**	58MV(B,C)060−14	33,400	11.5	14.0
4084782	38HDR036−61	CAP**4221A**	58MV(B,C)060−14	33,400	11.5	14.0
1390702	38HDR036−61	CAP**4221A**	58MV(B,C)080−14	33,400	11.5	13.5
4084783	38HDR036−61	CAP**4221A**	58MV(B,C)080−14	33,400	11.5	13.5
1390720	38HDR036−61	CAP**4221A**	58MV(B,C)080−20	33,400	11.5	14.0
4084784	38HDR036−61	CAP**4221A**	58MV(B,C)080−20	33,400	11.5	14.0
1390738	38HDR036−61	CAP**4221A**	58MV(B,C)100−20	33,400	11.5	14.0
4084785	38HDR036−61	CAP**4221A**	58MV(B,C)100−20	33,400	11.5	14.0
3015497	38HDR036−61	CAP**4221A**	58PH*090−16	33,400	12.0	14.5
4084786	38HDR036−61	CAP**4221A**	58PH*090−16	33,400	12.0	14.5
3015498	38HDR036−61	CAP**4221A**	58PH*110−20	33,400	12.0	14.5
4084787	38HDR036−61	CAP**4221A**	58PH*110−20	33,400	12.0	14.5
3673408	38HDR036−61	CAP**4221A**	58UVB060−14	33,400	11.5	14.0
4084788	38HDR036−61	CAP**4221A**	58UVB060−14	33,400	11.5	14.0
3673410	38HDR036−61	CAP**4221A**	58UVB080−14	33,400	11.5	13.5
4084789	38HDR036−61	CAP**4221A**	58UVB080−14	33,400	11.5	13.5
3673413	38HDR036−61	CAP**4221A**	58UVB080−20	33,400	11.5	14.0
4084790	38HDR036−61	CAP**4221A**	58UVB080−20	33,400	11.5	14.0
3673416	38HDR036−61	CAP**4221A**	58UVB100−20	33,400	11.5	14.0
4084791	38HDR036−61	CAP**4221A**	58UVB100−20	33,400	11.5	14.0
4114175	38HDR036−61	CAP**4221A**	58VLR120−20	33,400	12.0	14.5
4114174	38HDR036−61	CAP**4221A**	58VMR120−20	33,400	12.0	14.5
4816680	38HDR036−61	CAP**4221A**	59*N*A060V17**14	33,000	12.0	14.5
4816681	38HDR036−61	CAP**4221A**	59*N*A080V17**14	33,200	12.0	14.5
4816682	38HDR036−61	CAP**4221A**	59*N*A100V21**20	33,200	12.5	15.0
4816683	38HDR036−61	CAP**4221A**	59*P5A060E17**14	33,400	12.0	14.5
4816684	38HDR036−61	CAP**4221A**	59*P5A080E17**16	33,400	12.0	14.5
4114176	38HDR036−61	CAP**4221A**	OVLAAB048112	33,400	12.0	14.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
1117506	38HDR036−61	CAP**4221A**+TDR		33,400	11.0	13.0
4084792	38HDR036−61	CAP**4221A**+TDR		33,400	11.0	13.0
1117686	38HDR036−61	CAP**4224A**	58CV(A,X)110−20	33,400	11.5	14.0
4084793	38HDR036−61	CAP**4224A**	58CV(A,X)110−20	33,400	11.5	14.0
1117522	38HDR036−61	CAP**4224A**	58CV(A,X)135−22	33,400	11.5	14.0
4084794	38HDR036−61	CAP**4224A**	58CV(A,X)135−22	33,400	11.5	14.0
1117524	38HDR036−61	CAP**4224A**	58CV(A,X)155−22	33,400	11.5	14.0
4084795	38HDR036−61	CAP**4224A**	58CV(A,X)155−22	33,400	11.5	14.0
4114177	38HDR036−61	CAP**4224A**	58HDV100−−20	33,400	12.0	14.5
1390716	38HDR036−61	CAP**4224A**	58MV(B,C)080−14	33,400	11.5	14.0
4084796	38HDR036−61	CAP**4224A**	58MV(B,C)080−14	33,400	11.5	14.0
1390734	38HDR036−61	CAP**4224A**	58MV(B,C)080−20	33,400	11.5	14.0
4084797	38HDR036−61	CAP**4224A**	58MV(B,C)080−20	33,400	11.5	14.0
1390752	38HDR036−61	CAP**4224A**	58MV(B,C)100−20	33,400	11.5	14.0
4084798	38HDR036−61	CAP**4224A**	58MV(B,C)100−20	33,400	11.5	14.0
1390754	38HDR036−61	CAP**4224A**	58MV(B,C)120−20	33,400	11.5	13.5
4084799	38HDR036−61	CAP**4224A**	58MV(B,C)120−20	33,400	11.5	13.5
3673411	38HDR036−61	CAP**4224A**	58UVB080−14	33,400	11.5	14.0
4084800	38HDR036−61	CAP**4224A**	58UVB080−14	33,400	11.5	14.0
3673414	38HDR036−61	CAP**4224A**	58UVB080−20	33,400	11.5	14.0
4084801	38HDR036−61	CAP**4224A**	58UVB080−20	33,400	11.5	14.0
3673417	38HDR036−61	CAP**4224A**	58UVB100−20	33,400	11.5	14.0
4084802	38HDR036−61	CAP**4224A**	58UVB100−20	33,400	11.5	14.0
3673418	38HDR036−61	CAP**4224A**	58UVB120−20	33,400	11.5	13.5
4084803	38HDR036−61	CAP**4224A**	58UVB120−20	33,400	11.5	13.5
4816685	38HDR036−61	CAP**4224A**	59*N*A100V21**20	33,200	12.5	15.0
4816686	38HDR036−61	CAP**4224A**	59*N*A120V24**22	33,400	12.5	15.2
1117516	38HDR036−61	CAP**4224A**+TDR		33,400	11.0	13.0
4084804	38HDR036−61	CAP**4224A**+TDR		33,400	11.0	13.0
1117564	38HDR036−61	CNPH*3617A**	58CV(A,X)070−12	33,000	11.5	13.5
4084806	38HDR036−61	CNPH*3617A**	58CV(A,X)070−12	33,000	11.5	13.5
1117566	38HDR036−61	CNPH*3617A**	58CV(A,X)090−16	33,000	11.5	13.5
4084807	38HDR036−61	CNPH*3617A**	58CV(A,X)090−16	33,000	11.5	13.5
1117568	38HDR036−61	CNPH*3617A**	58CV(A,X)110−20	33,000	11.5	13.5
4084808	38HDR036−61	CNPH*3617A**	58CV(A,X)110−20	33,000	11.5	13.5
1117570	38HDR036−61	CNPH*3617A**	58CV(A,X)135−22	33,000	11.5	13.5
4084809	38HDR036−61	CNPH*3617A**	58CV(A,X)135−22	33,000	11.5	13.5
1117572	38HDR036−61	CNPH*3617A**	58CV(A,X)155−22	33,000	11.5	14.0
4084810	38HDR036−61	CNPH*3617A**	58CV(A,X)155−22	33,000	11.5	14.0
4114200	38HDR036−61	CNPH*3617A**	58HDV040−−12	33,000	11.5	13.5
4114201	38HDR036−61	CNPH*3617A**	58HDV060−−12	33,000	11.5	14.0
4114202	38HDR036−61	CNPH*3617A**	58HDV080−−20	33,000	12.0	14.5
4114203	38HDR036−61	CNPH*3617A**	58HDV100−−20	33,000	12.0	14.5
3613119	38HDR036−61	CNPH*3617A**	58ME(B,C)040−12	33,000	12.0	14.5
4084811	38HDR036−61	CNPH*3617A**	58ME(B,C)040−12	33,000	12.0	14.5
3116374	38HDR036−61	CNPH*3617A**	58ME(B,C)060−12	33,000	12.0	14.5
4084812	38HDR036−61	CNPH*3617A**	58ME(B,C)060−12	33,000	12.0	14.5
3116375	38HDR036−61	CNPH*3617A**	58ME(B,C)080−12	33,000	12.0	14.5
4084813	38HDR036−61	CNPH*3617A**	58ME(B,C)080−12	33,000	12.0	14.5
3116376	38HDR036−61	CNPH*3617A**	58ME(B,C)080−16	33,000	12.0	14.5
4084814	38HDR036−61	CNPH*3617A**	58ME(B,C)080−16	33,000	12.0	14.5
3116377	38HDR036−61	CNPH*3617A**	58ME(B,C)100−20	33,000	12.0	14.5
4084815	38HDR036−61	CNPH*3617A**	58ME(B,C)100−20	33,000	12.0	14.5
3116373	38HDR036−61	CNPH*3617A**	58MEB040−12	33,000	12.0	14.5
4084816	38HDR036−61	CNPH*3617A**	58MEB040−12	33,000	12.0	14.5
1390684	38HDR036−61	CNPH*3617A**	58MV(B,C)060−14	33,000	11.5	13.5
4084817	38HDR036−61	CNPH*3617A**	58MV(B,C)060−14	33,000	11.5	13.5
1390708	38HDR036−61	CNPH*3617A**	58MV(B,C)080−14	33,000	11.5	13.5
4084818	38HDR036−61	CNPH*3617A**	58MV(B,C)080−14	33,000	11.5	13.5
1390726	38HDR036−61	CNPH*3617A**	58MV(B,C)080−20	33,000	11.5	13.5
4084819	38HDR036−61	CNPH*3617A**	58MV(B,C)080−20	33,000	11.5	13.5
1390744	38HDR036−61	CNPH*3617A**	58MV(B,C)100−20	33,000	11.5	13.5
4084820	38HDR036−61	CNPH*3617A**	58MV(B,C)100−20	33,000	11.5	13.5
1390756	38HDR036−61	CNPH*3617A**	58MV(B,C)120−20	33,000	11.5	13.5
4084821	38HDR036−61	CNPH*3617A**	58MV(B,C)120−20	33,000	11.5	13.5
3015504	38HDR036−61	CNPH*3617A**	58PH*045−08	33,000	11.5	14.0
4084822	38HDR036−61	CNPH*3617A**	58PH*045−08	33,000	11.5	14.0
3015505	38HDR036−61	CNPH*3617A**	58PH*070−16	33,000	11.5	14.0
4084823	38HDR036−61	CNPH*3617A**	58PH*070−16	33,000	11.5	14.0
3015506	38HDR036−61	CNPH*3617A**	58PH*090−16	33,000	12.0	14.5
4084824	38HDR036−61	CNPH*3617A**	58PH*090−16	33,000	12.0	14.5
3015507	38HDR036−61	CNPH*3617A**	58PH*110−20	33,000	12.0	14.5
4084825	38HDR036−61	CNPH*3617A**	58PH*110−20	33,000	12.0	14.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4114205	38HDR036−61	CNPH*3617A**	58VLR105−12	33,000	12.0	14.5
4114207	38HDR036−61	CNPH*3617A**	58VLR120−20	33,000	12.0	14.5
4114204	38HDR036−61	CNPH*3617A**	58VMR105−12	33,000	12.0	14.5
4114206	38HDR036−61	CNPH*3617A**	58VMR120−20	33,000	12.0	14.5
4816716	38HDR036−61	CNPH*3617A**	59*N*A060V17**14	30,000	11.8	14.2
4816717	38HDR036−61	CNPH*3617A**	59*N*A080V17**14	32,800	12.0	14.5
4816718	38HDR036−61	CNPH*3617A**	59*N*A100V21**20	33,000	12.0	14.5
4816719	38HDR036−61	CNPH*3617A**	59*N*A120V24**22	33,000	12.0	14.5
4816720	38HDR036−61	CNPH*3617A**	59*P5A060E17**14	33,000	11.8	14.2
4816721	38HDR036−61	CNPH*3617A**	59*P5A080E17**16	33,000	12.0	14.5
4114209	38HDR036−61	CNPH*3617A**	OVLAAB036098	33,000	11.5	14.0
4114211	38HDR036−61	CNPH*3617A**	OVLAAB048112	33,000	11.5	14.0
4114208	38HDR036−61	CNPH*3617A**	OVMAAB036098	33,000	11.5	14.0
4114210	38HDR036−61	CNPH*3617A**	OVMAAB042112	33,000	12.0	14.5
1117550	38HDR036−61	CNPH*3617A**+TDR		33,000	11.0	13.0
4084826	38HDR036−61	CNPH*3617A**+TDR		33,000	11.0	13.0
1117588	38HDR036−61	CNPH*4221A**	58CV(A,X)070−12	33,400	11.5	14.0
4084827	38HDR036−61	CNPH*4221A**	58CV(A,X)070−12	33,400	11.5	14.0
1117590	38HDR036−61	CNPH*4221A**	58CV(A,X)090−16	33,400	11.5	14.5
4084828	38HDR036−61	CNPH*4221A**	58CV(A,X)090−16	33,400	11.5	14.5
1117592	38HDR036−61	CNPH*4221A**	58CV(A,X)110−20	33,400	11.5	14.5
4084829	38HDR036−61	CNPH*4221A**	58CV(A,X)110−20	33,400	11.5	14.5
1117594	38HDR036−61	CNPH*4221A**	58CV(A,X)135−22	33,400	11.5	14.5
4084830	38HDR036−61	CNPH*4221A**	58CV(A,X)135−22	33,400	11.5	14.5
1117596	38HDR036−61	CNPH*4221A**	58CV(A,X)155−22	33,400	11.5	14.5
4084831	38HDR036−61	CNPH*4221A**	58CV(A,X)155−22	33,400	11.5	14.5
3613106	38HDR036−61	CNPH*4221A**	58ME(B,C)040−12	33,400	12.0	14.5
4084832	38HDR036−61	CNPH*4221A**	58ME(B,C)040−12	33,400	12.0	14.5
3116379	38HDR036−61	CNPH*4221A**	58ME(B,C)060−12	33,400	12.0	14.5
4084833	38HDR036−61	CNPH*4221A**	58ME(B,C)060−12	33,400	12.0	14.5
3116380	38HDR036−61	CNPH*4221A**	58ME(B,C)080−12	33,400	12.0	14.5
4084834	38HDR036−61	CNPH*4221A**	58ME(B,C)080−12	33,400	12.0	14.5
3116381	38HDR036−61	CNPH*4221A**	58ME(B,C)080−16	33,400	12.0	14.5
4084835	38HDR036−61	CNPH*4221A**	58ME(B,C)080−16	33,400	12.0	14.5
3116382	38HDR036−61	CNPH*4221A**	58ME(B,C)100−20	33,400	12.0	14.5
4084836	38HDR036−61	CNPH*4221A**	58ME(B,C)100−20	33,400	12.0	14.5
3116378	38HDR036−61	CNPH*4221A**	58MEB040−12	33,400	12.0	14.5
4084837	38HDR036−61	CNPH*4221A**	58MEB040−12	33,400	12.0	14.5
1390686	38HDR036−61	CNPH*4221A**	58MV(B,C)060−14	33,400	11.5	14.0
4084838	38HDR036−61	CNPH*4221A**	58MV(B,C)060−14	33,400	11.5	14.0
1390710	38HDR036−61	CNPH*4221A**	58MV(B,C)080−14	33,400	11.5	14.0
4084839	38HDR036−61	CNPH*4221A**	58MV(B,C)080−14	33,400	11.5	14.0
1390728	38HDR036−61	CNPH*4221A**	58MV(B,C)080−20	33,400	11.5	14.0
4084840	38HDR036−61	CNPH*4221A**	58MV(B,C)080−20	33,400	11.5	14.0
1390746	38HDR036−61	CNPH*4221A**	58MV(B,C)100−20	33,400	11.5	14.0
4084841	38HDR036−61	CNPH*4221A**	58MV(B,C)100−20	33,400	11.5	14.0
1390758	38HDR036−61	CNPH*4221A**	58MV(B,C)120−20	33,400	11.5	14.5
4084842	38HDR036−61	CNPH*4221A**	58MV(B,C)120−20	33,400	11.5	14.5
3015508	38HDR036−61	CNPH*4221A**	58PH*045−08	33,400	11.5	14.0
4084843	38HDR036−61	CNPH*4221A**	58PH*045−08	33,400	11.5	14.0
3015509	38HDR036−61	CNPH*4221A**	58PH*070−16	33,400	11.5	14.0
4084844	38HDR036−61	CNPH*4221A**	58PH*070−16	33,400	11.5	14.0
3015510	38HDR036−61	CNPH*4221A**	58PH*090−16	33,400	12.0	14.5
4084845	38HDR036−61	CNPH*4221A**	58PH*090−16	33,400	12.0	14.5
3015511	38HDR036−61	CNPH*4221A**	58PH*110−20	33,400	12.0	14.5
4084846	38HDR036−61	CNPH*4221A**	58PH*110−20	33,400	12.0	14.5
4114213	38HDR036−61	CNPH*4221A**	58VLR105−12	33,400	12.0	14.5
4114215	38HDR036−61	CNPH*4221A**	58VLR120−20	33,400	12.0	14.5
4114212	38HDR036−61	CNPH*4221A**	58VMR105−12	33,400	12.0	14.5
4114214	38HDR036−61	CNPH*4221A**	58VMR120−20	33,400	12.0	14.5
4816722	38HDR036−61	CNPH*4221A**	59*N*A060V17**14	33,000	12.0	14.5
4816723	38HDR036−61	CNPH*4221A**	59*N*A080V17**14	33,200	12.0	14.5
4816724	38HDR036−61	CNPH*4221A**	59*N*A100V21**20	33,200	12.0	14.5
4816725	38HDR036−61	CNPH*4221A**	59*N*A120V24**22	33,400	12.5	15.0
4816726	38HDR036−61	CNPH*4221A**	59*P5A060E17**14	33,400	12.0	14.5
4816727	38HDR036−61	CNPH*4221A**	59*P5A080E17**16	33,400	12.0	14.5
4114217	38HDR036−61	CNPH*4221A**	OVLAAB036098	33,400	11.5	14.0
4114219	38HDR036−61	CNPH*4221A**	OVLAAB048112	33,400	12.0	14.5
4114220	38HDR036−61	CNPH*4221A**	OVLAAB060154	33,400	12.0	14.5
4114216	38HDR036−61	CNPH*4221A**	OVMAAB036098	33,400	11.5	14.0
4114218	38HDR036−61	CNPH*4221A**	OVMAAB042112	33,400	12.0	14.5
1117574	38HDR036−61	CNPH*4221A**+TDR		33,400	11.0	13.0
4084847	38HDR036−61	CNPH*4221A**+TDR		33,400	11.0	13.0

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4114223	38HDR036−61	CNPH*4321A**	58VLR105−12	33,800	12.0	14.5
4114225	38HDR036−61	CNPH*4321A**	58VLR120−20	33,800	12.0	14.5
4114222	38HDR036−61	CNPH*4321A**	58VMR105−12	33,800	12.0	14.5
4114224	38HDR036−61	CNPH*4321A**	58VMR120−20	33,800	12.0	14.5
4816728	38HDR036−61	CNPH*4321A**	59*N*A060V17**14	34,000	12.5	15.2
4816729	38HDR036−61	CNPH*4321A**	59*N*A080V17**14	34,000	12.5	15.2
4816730	38HDR036−61	CNPH*4321A**	59*N*A100V21**20	34,200	12.5	15.2
4816731	38HDR036−61	CNPH*4321A**	59*N*A120V24**22	34,200	12.7	15.5
4816732	38HDR036−61	CNPH*4321A**	59*P5A060E17**14	34,400	12.5	15.0
4816733	38HDR036−61	CNPH*4321A**	59*P5A080E17**16	34,400	12.5	15.2
4114227	38HDR036−61	CNPH*4321A**	OVLAAB036098	33,800	12.0	14.5
4114229	38HDR036−61	CNPH*4321A**	OVLAAB048112	33,800	12.0	14.5
4114230	38HDR036−61	CNPH*4321A**	OVLAAB060154	33,800	12.0	14.5
4114226	38HDR036−61	CNPH*4321A**	OVMAAB036098	33,800	12.0	14.5
4114228	38HDR036−61	CNPH*4321A**	OVMAAB042112	33,800	12.0	14.5
4114221	38HDR036−61	CNPH*4321A**+TDR		33,800	11.0	13.0
4084848	38HDR036−61	CNPV*3617A**	58CV(A,X)070−12	33,000	11.5	14.0
4084849	38HDR036−61	CNPV*3617A**	58CV(A,X)090−16	33,000	11.5	13.5
4129798	38HDR036−61	CNPV*3617A**	58HDV040−−12	33,000	11.5	13.5
4129799	38HDR036−61	CNPV*3617A**	58HDV060−−12	33,000	11.5	14.0
4084850	38HDR036−61	CNPV*3617A**	58ME(B,C)040−12	33,000	12.0	14.5
4084851	38HDR036−61	CNPV*3617A**	58ME(B,C)060−12	33,000	12.0	14.5
4084852	38HDR036−61	CNPV*3617A**	58ME(B,C)080−12	33,000	12.0	14.5
4084853	38HDR036−61	CNPV*3617A**	58ME(B,C)080−16	33,000	12.0	14.5
4084854	38HDR036−61	CNPV*3617A**	58MEB040−12	33,000	12.0	14.5
4084855	38HDR036−61	CNPV*3617A**	58MV(B,C)060−14	33,000	11.5	13.5
4084856	38HDR036−61	CNPV*3617A**	58PH*070−16	33,000	11.5	14.0
4084857	38HDR036−61	CNPV*3617A**	58UVB060−14	33,000	11.5	13.5
4114179	38HDR036−61	CNPV*3617A**	58VLR105−12	33,200	12.0	14.5
4114178	38HDR036−61	CNPV*3617A**	58VMR105−12	33,000	12.0	14.5
4816692	38HDR036−61	CNPV*3617A**	59*N*A060V17**14	30,000	11.8	14.2
4816693	38HDR036−61	CNPV*3617A**	59*N*A080V17**14	32,800	12.0	14.5
4816694	38HDR036−61	CNPV*3617A**	59*P5A060E17**14	33,000	11.8	14.2
4816695	38HDR036−61	CNPV*3617A**	59*P5A080E17**16	33,000	12.0	14.5
4114181	38HDR036−61	CNPV*3617A**	OVLAAB036098	33,000	11.5	14.0
4114180	38HDR036−61	CNPV*3617A**	OVMAAB036098	33,200	11.5	14.0
4114182	38HDR036−61	CNPV*3617A**	OVMAAB042112	33,200	12.0	14.5
4084858	38HDR036−61	CNPV*3617A**+TDR		33,000	11.0	13.0
4084859	38HDR036−61	CNPV*3621A**	58CV(A,X)090−16	33,000	11.5	14.5
4084860	38HDR036−61	CNPV*3621A**	58CV(A,X)110−20	33,000	11.5	13.5
4129800	38HDR036−61	CNPV*3621A**	58HDV040−−12	33,000	11.5	13.5
4129801	38HDR036−61	CNPV*3621A**	58HDV060−−12	33,200	11.5	14.0
4129802	38HDR036−61	CNPV*3621A**	58HDV080−−20	33,200	12.0	14.5
4084861	38HDR036−61	CNPV*3621A**	58ME(B,C)100−20	33,000	12.0	14.5
4084862	38HDR036−61	CNPV*3621A**	58MV(B,C)060−14	33,000	11.5	14.5
4084863	38HDR036−61	CNPV*3621A**	58MV(B,C)080−14	33,000	11.5	13.5
4084864	38HDR036−61	CNPV*3621A**	58MV(B,C)080−20	33,000	11.5	13.5
4084865	38HDR036−61	CNPV*3621A**	58MV(B,C)100−20	33,000	11.5	13.5
4084866	38HDR036−61	CNPV*3621A**	58PH*090−16	33,000	12.0	14.5
4084867	38HDR036−61	CNPV*3621A**	58PH*110−20	33,000	12.0	14.5
4084868	38HDR036−61	CNPV*3621A**	58UVB060−14	33,000	11.5	14.5
4084869	38HDR036−61	CNPV*3621A**	58UVB080−14	33,000	11.5	13.5
4084870	38HDR036−61	CNPV*3621A**	58UVB080−20	33,000	11.5	13.5
4084871	38HDR036−61	CNPV*3621A**	58UVB100−20	33,000	11.5	13.5
4114184	38HDR036−61	CNPV*3621A**	58VLR120−20	33,200	12.0	14.5
4114183	38HDR036−61	CNPV*3621A**	58VMR120−20	33,200	12.0	14.5
4816696	38HDR036−61	CNPV*3621A**	59*N*A060V17**14	30,000	11.8	14.2
4816697	38HDR036−61	CNPV*3621A**	59*N*A080V17**14	32,800	12.0	14.5
4816698	38HDR036−61	CNPV*3621A**	59*N*A100V21**20	33,000	12.0	14.5
4816699	38HDR036−61	CNPV*3621A**	59*P5A060E17**14	33,000	11.8	14.2
4816700	38HDR036−61	CNPV*3621A**	59*P5A080E17**16	33,000	12.0	14.5
4114185	38HDR036−61	CNPV*3621A**	OVLAAB048112	33,200	11.5	14.0
4084872	38HDR036−61	CNPV*3621A**+TDR		33,000	11.0	13.0
4129803	38HDR036−61	CNPV*3717A**	58HDV040−−12	33,400	12.0	14.5
4129804	38HDR036−61	CNPV*3717A**	58HDV060−−12	33,400	12.0	14.5
4114187	38HDR036−61	CNPV*3717A**	58VLR105−12	33,400	12.0	14.5
4114186	38HDR036−61	CNPV*3717A**	58VMR105−12	33,400	12.0	14.5
4816701	38HDR036−61	CNPV*3717A**	59*N*A060V17**14	33,800	12.5	15.0
4816702	38HDR036−61	CNPV*3717A**	59*N*A080V17**14	34,000	12.5	15.2
4816703	38HDR036−61	CNPV*3717A**	59*P5A060E17**14	34,400	12.5	15.0
4816704	38HDR036−61	CNPV*3717A**	59*P5A080E17**16	34,400	12.5	15.0
4114189	38HDR036−61	CNPV*3717A**	OVLAAB036098	33,400	12.0	14.5
4114188	38HDR036−61	CNPV*3717A**	OVMAAB036098	33,400	12.0	14.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4114190	38HDR036−61	CNPV*3717A**	OVMAAB042112	33,400	12.0	14.5
4084873	38HDR036−61	CNPV*4217A**	58CV(A,X)090−16	33,400	12.0	14.5
4129805	38HDR036−61	CNPV*4217A**	58HDV040−−12	33,400	11.5	14.0
4129806	38HDR036−61	CNPV*4217A**	58HDV060−−12	33,400	12.0	14.5
4084874	38HDR036−61	CNPV*4217A**	58ME(B,C)040−12	33,400	12.0	14.5
4084875	38HDR036−61	CNPV*4217A**	58ME(B,C)060−12	33,400	12.0	14.5
4084876	38HDR036−61	CNPV*4217A**	58ME(B,C)080−12	33,400	12.0	14.5
4084877	38HDR036−61	CNPV*4217A**	58ME(B,C)080−16	33,400	12.0	14.5
4084878	38HDR036−61	CNPV*4217A**	58MEB040−12	33,400	12.0	14.5
4084879	38HDR036−61	CNPV*4217A**	58MV(B,C)060−14	33,400	12.0	14.5
4084880	38HDR036−61	CNPV*4217A**	58PH*070−16	33,400	12.0	14.5
4084881	38HDR036−61	CNPV*4217A**	58UVB060−14	33,400	12.0	14.5
4114192	38HDR036−61	CNPV*4217A**	58VLR105−12	33,400	12.0	14.5
4114191	38HDR036−61	CNPV*4217A**	58VMR105−12	33,400	12.0	14.5
4816705	38HDR036−61	CNPV*4217A**	59*N*A060V17**14	33,200	12.0	14.5
4816706	38HDR036−61	CNPV*4217A**	59*N*A080V17**14	33,400	12.0	14.5
4816707	38HDR036−61	CNPV*4217A**	59*P5A060E17**14	33,600	12.0	14.5
4816708	38HDR036−61	CNPV*4217A**	59*P5A080E17**16	33,600	12.0	14.5
4114194	38HDR036−61	CNPV*4217A**	OVLAAB036098	33,400	12.0	14.5
4114193	38HDR036−61	CNPV*4217A**	OVMAAB036098	33,400	12.0	14.5
4114195	38HDR036−61	CNPV*4217A**	OVMAAB042112	33,400	12.0	14.5
4084882	38HDR036−61	CNPV*4217A**+TDR		33,400	11.0	13.0
4084883	38HDR036−61	CNPV*4221A**	58CV(A,X)090−16	33,400	11.5	14.5
4084884	38HDR036−61	CNPV*4221A**	58CV(A,X)110−20	33,400	11.5	14.5
4129807	38HDR036−61	CNPV*4221A**	58HDV040−−12	33,400	11.5	14.0
4129808	38HDR036−61	CNPV*4221A**	58HDV060−−12	33,400	11.5	14.0
4129809	38HDR036−61	CNPV*4221A**	58HDV080−−20	33,400	12.0	14.5
4084885	38HDR036−61	CNPV*4221A**	58ME(B,C)100−20	33,400	12.0	14.5
4084886	38HDR036−61	CNPV*4221A**	58MV(B,C)060−14	33,400	11.5	14.5
4084887	38HDR036−61	CNPV*4221A**	58MV(B,C)080−14	33,400	11.5	14.0
4084888	38HDR036−61	CNPV*4221A**	58MV(B,C)080−20	33,400	11.5	14.0
4084889	38HDR036−61	CNPV*4221A**	58MV(B,C)100−20	33,400	11.5	14.0
4084890	38HDR036−61	CNPV*4221A**	58PH*090−16	33,400	12.0	14.5
4084891	38HDR036−61	CNPV*4221A**	58PH*110−20	33,400	12.0	14.5
4084892	38HDR036−61	CNPV*4221A**	58UVB060−14	33,400	11.5	14.5
4084893	38HDR036−61	CNPV*4221A**	58UVB080−14	33,400	11.5	14.0
4084894	38HDR036−61	CNPV*4221A**	58UVB080−20	33,400	11.5	14.0
4084895	38HDR036−61	CNPV*4221A**	58UVB100−20	33,400	11.5	14.0
4114197	38HDR036−61	CNPV*4221A**	58VLR120−20	33,400	12.0	14.5
4114196	38HDR036−61	CNPV*4221A**	58VMR120−20	33,400	12.0	14.5
4816709	38HDR036−61	CNPV*4221A**	59*N*A060V17**14	33,000	12.0	14.5
4816710	38HDR036−61	CNPV*4221A**	59*N*A080V17**14	33,200	12.0	14.5
4816711	38HDR036−61	CNPV*4221A**	59*N*A100V21**20	33,200	12.0	14.5
4816712	38HDR036−61	CNPV*4221A**	59*P5A060E17**14	33,400	12.0	14.5
4816713	38HDR036−61	CNPV*4221A**	59*P5A080E17**16	33,400	12.0	14.5
4114198	38HDR036−61	CNPV*4221A**	OVLAAB048112	33,400	12.0	14.5
4129810	38HDR036−61	CNPV*4324A**	58HDV080−−20	33,800	12.0	14.5
4114199	38HDR036−61	CNPV*4324A**	58HDV100−−20	33,800	12.0	14.5
4816714	38HDR036−61	CNPV*4324A**	59*N*A100V21**20	34,200	12.7	15.5
4816715	38HDR036−61	CNPV*4324A**	59*N*A120V24**22	34,200	12.7	15.5
1117614	38HDR036−61	CSPH*3612A**	58CV(A,X)070−12	33,000	11.5	14.0
4084897	38HDR036−61	CSPH*3612A**	58CV(A,X)070−12	33,000	11.5	14.0
1117616	38HDR036−61	CSPH*3612A**	58CV(A,X)090−16	33,000	11.5	14.5
4084898	38HDR036−61	CSPH*3612A**	58CV(A,X)090−16	33,000	11.5	14.5
1117618	38HDR036−61	CSPH*3612A**	58CV(A,X)110−20	33,000	11.5	14.5
4084899	38HDR036−61	CSPH*3612A**	58CV(A,X)110−20	33,000	11.5	14.5
1117620	38HDR036−61	CSPH*3612A**	58CV(A,X)135−22	33,000	11.5	14.5
4084900	38HDR036−61	CSPH*3612A**	58CV(A,X)135−22	33,000	11.5	14.5
1117622	38HDR036−61	CSPH*3612A**	58CV(A,X)155−22	33,000	11.5	14.5
4084901	38HDR036−61	CSPH*3612A**	58CV(A,X)155−22	33,000	11.5	14.5
3613107	38HDR036−61	CSPH*3612A**	58ME(B,C)040−12	33,000	12.0	14.5
4084902	38HDR036−61	CSPH*3612A**	58ME(B,C)040−12	33,000	12.0	14.5
3116384	38HDR036−61	CSPH*3612A**	58ME(B,C)060−12	33,000	12.0	14.5
4084903	38HDR036−61	CSPH*3612A**	58ME(B,C)060−12	33,000	12.0	14.5
3116385	38HDR036−61	CSPH*3612A**	58ME(B,C)080−12	33,000	12.0	14.5
4084904	38HDR036−61	CSPH*3612A**	58ME(B,C)080−12	33,000	12.0	14.5
3116386	38HDR036−61	CSPH*3612A**	58ME(B,C)080−16	33,000	12.0	14.5
4084905	38HDR036−61	CSPH*3612A**	58ME(B,C)080−16	33,000	12.0	14.5
3116387	38HDR036−61	CSPH*3612A**	58ME(B,C)100−20	33,000	12.0	14.5
4084906	38HDR036−61	CSPH*3612A**	58ME(B,C)100−20	33,000	12.0	14.5
3116383	38HDR036−61	CSPH*3612A**	58MEB040−12	33,000	12.0	14.5
4084907	38HDR036−61	CSPH*3612A**	58MEB040−12	33,000	12.0	14.5
1390688	38HDR036−61	CSPH*3612A**	58MV(B,C)060−14	33,000	11.5	14.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4084908	38HDR036−61	CSPH*3612A**	58MV(B,C)060−14	33,000	11.5	14.5
1390712	38HDR036−61	CSPH*3612A**	58MV(B,C)080−14	33,000	11.5	14.0
4084909	38HDR036−61	CSPH*3612A**	58MV(B,C)080−14	33,000	11.5	14.0
1390730	38HDR036−61	CSPH*3612A**	58MV(B,C)080−20	33,000	11.5	14.0
4084910	38HDR036−61	CSPH*3612A**	58MV(B,C)080−20	33,000	11.5	14.0
1390748	38HDR036−61	CSPH*3612A**	58MV(B,C)100−20	33,000	11.5	14.5
4084911	38HDR036−61	CSPH*3612A**	58MV(B,C)100−20	33,000	11.5	14.5
1390760	38HDR036−61	CSPH*3612A**	58MV(B,C)120−20	33,000	11.5	14.5
4084912	38HDR036−61	CSPH*3612A**	58MV(B,C)120−20	33,000	11.5	14.5
3015512	38HDR036−61	CSPH*3612A**	58PH*045−08	33,000	11.5	14.0
4084913	38HDR036−61	CSPH*3612A**	58PH*045−08	33,000	11.5	14.0
3015513	38HDR036−61	CSPH*3612A**	58PH*070−16	33,000	11.5	14.0
4084914	38HDR036−61	CSPH*3612A**	58PH*070−16	33,000	11.5	14.0
3015514	38HDR036−61	CSPH*3612A**	58PH*090−16	33,000	12.0	14.5
4084915	38HDR036−61	CSPH*3612A**	58PH*090−16	33,000	12.0	14.5
3015515	38HDR036−61	CSPH*3612A**	58PH*110−20	33,000	12.0	14.5
4084916	38HDR036−61	CSPH*3612A**	58PH*110−20	33,000	12.0	14.5
4114232	38HDR036−61	CSPH*3612A**	58VLR105−12	33,000	12.0	14.5
4114234	38HDR036−61	CSPH*3612A**	58VLR120−20	33,000	12.0	14.5
4114231	38HDR036−61	CSPH*3612A**	58VMR105−12	33,000	12.0	14.5
4114233	38HDR036−61	CSPH*3612A**	58VMR120−20	33,000	12.0	14.5
4816734	38HDR036−61	CSPH*3612A**	59*N*A060V17**14	33,400	12.0	14.5
4816735	38HDR036−61	CSPH*3612A**	59*N*A080V17**14	33,600	12.5	15.0
4816736	38HDR036−61	CSPH*3612A**	59*N*A100V21**20	33,800	12.5	15.0
4816737	38HDR036−61	CSPH*3612A**	59*N*A120V24**22	33,800	12.5	15.2
4816738	38HDR036−61	CSPH*3612A**	59*P5A060E17**14	33,800	12.0	14.5
4816739	38HDR036−61	CSPH*3612A**	59*P5A080E17**16	33,800	12.0	14.5
4114236	38HDR036−61	CSPH*3612A**	OVLAAB036098	33,000	12.0	14.5
4114238	38HDR036−61	CSPH*3612A**	OVLAAB048112	33,000	12.0	14.5
4114235	38HDR036−61	CSPH*3612A**	OVMAAB036098	33,000	12.0	14.5
4114237	38HDR036−61	CSPH*3612A**	OVMAAB042112	33,000	12.0	14.5
1117600	38HDR036−61	CSPH*3612A**+TDR		33,000	11.0	13.0
4084917	38HDR036−61	CSPH*3612A**+TDR		33,000	11.0	13.0
1117638	38HDR036−61	CSPH*4212A**	58CV(A,X)070−12	33,400	11.5	14.0
4084918	38HDR036−61	CSPH*4212A**	58CV(A,X)070−12	33,400	11.5	14.0
1117640	38HDR036−61	CSPH*4212A**	58CV(A,X)090−16	33,400	11.5	14.5
4084919	38HDR036−61	CSPH*4212A**	58CV(A,X)090−16	33,400	11.5	14.5
1117642	38HDR036−61	CSPH*4212A**	58CV(A,X)110−20	33,400	11.5	14.5
4084920	38HDR036−61	CSPH*4212A**	58CV(A,X)110−20	33,400	11.5	14.5
1117644	38HDR036−61	CSPH*4212A**	58CV(A,X)135−22	33,400	11.5	14.5
4084921	38HDR036−61	CSPH*4212A**	58CV(A,X)135−22	33,400	11.5	14.5
1117646	38HDR036−61	CSPH*4212A**	58CV(A,X)155−22	33,400	11.5	14.5
4084922	38HDR036−61	CSPH*4212A**	58CV(A,X)155−22	33,400	11.5	14.5
3613108	38HDR036−61	CSPH*4212A**	58ME(B,C)040−12	33,400	12.0	14.5
4084923	38HDR036−61	CSPH*4212A**	58ME(B,C)040−12	33,400	12.0	14.5
3116389	38HDR036−61	CSPH*4212A**	58ME(B,C)060−12	33,400	12.0	14.5
4084924	38HDR036−61	CSPH*4212A**	58ME(B,C)060−12	33,400	12.0	14.5
3116390	38HDR036−61	CSPH*4212A**	58ME(B,C)080−12	33,400	12.0	14.5
4084925	38HDR036−61	CSPH*4212A**	58ME(B,C)080−12	33,400	12.0	14.5
3116391	38HDR036−61	CSPH*4212A**	58ME(B,C)080−16	33,400	12.0	14.5
4084926	38HDR036−61	CSPH*4212A**	58ME(B,C)080−16	33,400	12.0	14.5
3116392	38HDR036−61	CSPH*4212A**	58ME(B,C)100−20	33,400	12.0	14.5
4084927	38HDR036−61	CSPH*4212A**	58ME(B,C)100−20	33,400	12.0	14.5
3116388	38HDR036−61	CSPH*4212A**	58MEB040−12	33,400	12.0	14.5
4084928	38HDR036−61	CSPH*4212A**	58MEB040−12	33,400	12.0	14.5
1390690	38HDR036−61	CSPH*4212A**	58MV(B,C)060−14	33,400	11.5	14.0
4084929	38HDR036−61	CSPH*4212A**	58MV(B,C)060−14	33,400	11.5	14.0
1390714	38HDR036−61	CSPH*4212A**	58MV(B,C)080−14	33,400	11.5	14.0
4084930	38HDR036−61	CSPH*4212A**	58MV(B,C)080−14	33,400	11.5	14.0
1390732	38HDR036−61	CSPH*4212A**	58MV(B,C)080−20	33,400	11.5	14.0
4084931	38HDR036−61	CSPH*4212A**	58MV(B,C)080−20	33,400	11.5	14.0
1390750	38HDR036−61	CSPH*4212A**	58MV(B,C)100−20	33,400	11.5	14.0
4084932	38HDR036−61	CSPH*4212A**	58MV(B,C)100−20	33,400	11.5	14.0
1390762	38HDR036−61	CSPH*4212A**	58MV(B,C)120−20	33,400	11.5	14.0
4084933	38HDR036−61	CSPH*4212A**	58MV(B,C)120−20	33,400	11.5	14.0
3015516	38HDR036−61	CSPH*4212A**	58PH*045−08	33,400	11.5	14.0
4084934	38HDR036−61	CSPH*4212A**	58PH*045−08	33,400	11.5	14.0
3015517	38HDR036−61	CSPH*4212A**	58PH*070−16	33,400	11.5	14.0
4084935	38HDR036−61	CSPH*4212A**	58PH*070−16	33,400	11.5	14.0
3015518	38HDR036−61	CSPH*4212A**	58PH*090−16	33,400	12.0	14.5
4084936	38HDR036−61	CSPH*4212A**	58PH*090−16	33,400	12.0	14.5
3015519	38HDR036−61	CSPH*4212A**	58PH*110−20	33,400	12.0	14.5
4084937	38HDR036−61	CSPH*4212A**	58PH*110−20	33,400	12.0	14.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4114240	38HDR036−61	CSPH*4212A**	58VLR105−12	33,400	12.0	14.5
4114242	38HDR036−61	CSPH*4212A**	58VLR120−20	33,400	12.0	14.5
4114239	38HDR036−61	CSPH*4212A**	58VMR105−12	33,400	12.0	14.5
4114241	38HDR036−61	CSPH*4212A**	58VMR120−20	33,400	12.0	14.5
4816740	38HDR036−61	CSPH*4212A**	59*N*A060V17**14	33,600	12.5	15.0
4816741	38HDR036−61	CSPH*4212A**	59*N*A080V17**14	33,800	12.5	15.0
4816742	38HDR036−61	CSPH*4212A**	59*N*A100V21**20	34,000	12.5	15.2
4816743	38HDR036−61	CSPH*4212A**	59*N*A120V24**22	34,000	12.5	15.2
4816744	38HDR036−61	CSPH*4212A**	59*P5A060E17**14	34,200	12.0	14.5
4816745	38HDR036−61	CSPH*4212A**	59*P5A080E17**16	34,000	12.5	15.0
4114244	38HDR036−61	CSPH*4212A**	OVLAAB036098	33,400	12.0	14.5
4114246	38HDR036−61	CSPH*4212A**	OVLAAB048112	33,400	12.0	14.5
4114247	38HDR036−61	CSPH*4212A**	OVLAAB060154	33,400	12.0	14.5
4114243	38HDR036−61	CSPH*4212A**	OVMAAB036098	33,400	12.0	14.5
4114245	38HDR036−61	CSPH*4212A**	OVMAAB042112	33,400	12.0	14.5
1117624	38HDR036−61	CSPH*4212A**+TDR		33,400	11.0	13.0
4084938	38HDR036−61	CSPH*4212A**+TDR		33,400	11.0	13.0
4084316	38HDR036−61	FB4CNF036+TXV		33,400	11.5	14.0
4084317	38HDR036−61	FB4CNF042+TXV		34,400	12.0	14.5
1117658	38HDR036−61	FE4AN(B,F)003+UI		33,000	11.5	14.0
4084939	38HDR036−61	FE4AN(B,F)003+UI		33,000	11.5	14.0
1117660	38HDR036−61	FE4AN(B,F)005+UI		33,400	12.5	15.0
4084940	38HDR036−61	FE4AN(B,F)005+UI		33,400	12.5	15.0
1117662	38HDR036−61	FE4ANB006+UI		33,400	12.5	15.0
4084941	38HDR036−61	FE4ANB006+UI		33,400	12.5	15.0
1117656	38HDR036−61	FE4ANF002+UI		33,000	11.5	13.5
4084942	38HDR036−61	FE4ANF002+UI		33,000	11.5	13.5
1117664	38HDR036−61	FF1ENP036		33,000	11.0	13.0
4084943	38HDR036−61	FF1ENP036		33,000	11.0	13.0
3404635	38HDR036−61	FV4CNB006		33,400	12.5	15.0
4084946	38HDR036−61	FV4CNB006		33,400	12.5	15.0
3404634	38HDR036−61	FV4CNF002		33,000	11.5	13.5
4084947	38HDR036−61	FV4CNF002		33,000	11.5	13.5
3752298	38HDR036−61	FX4DN(B,F)037		33,800	12.5	15.0
4084950	38HDR036−61	FX4DN(B,F)037		33,800	12.5	15.0
3752299	38HDR036−61	FX4DN(B,F)043		33,800	12.5	15.0
4084951	38HDR036−61	FX4DN(B,F)043		33,800	12.5	15.0
3752300	38HDR036−61	FX4DN(B,F)049		34,200	12.5	15.0
4084952	38HDR036−61	FX4DN(B,F)049		34,200	12.5	15.0
4084318	38HDR036−61	FY5BNF036+TXV		33,400	11.5	14.0
4084319	38HDR036−61	FY5BNF042+TXV		34,400	12.0	14.5
3465144	38HDR048−32	†CNPV*4821A**+TDR		47,000	11.0	13.0
3465146	38HDR048−32	CAP**4817A**	58CV(A,X)090−16	46,500	11.5	13.5
3465148	38HDR048−32	CAP**4817A**	58ME(B,C)080−16	46,500	11.5	14.0
3465147	38HDR048−32	CAP**4817A**	58PH*070−16	46,500	11.5	13.5
3465145	38HDR048−32	CAP**4817A**+TDR		46,500	11.0	13.0
3465152	38HDR048−32	CAP**4821A**	58CV(A,X)110−20	46,500	11.5	13.5
3465155	38HDR048−32	CAP**4821A**	58ME(B,C)100−20	46,500	11.5	14.0
3465150	38HDR048−32	CAP**4821A**	58MV(B,C)080−20	46,000	11.5	13.5
3465151	38HDR048−32	CAP**4821A**	58MV(B,C)100−20	46,500	11.5	13.5
3465153	38HDR048−32	CAP**4821A**	58PH*090−16	46,500	11.5	14.0
3465154	38HDR048−32	CAP**4821A**	58PH*110−20	46,500	11.5	14.0
3673353	38HDR048−32	CAP**4821A**	58UVB080−20	46,000	11.5	13.5
3673354	38HDR048−32	CAP**4821A**	58UVB100−20	46,500	11.5	13.5
4114001	38HDR048−32	CAP**4821A**	58VLR120−20	46,500	12.0	14.5
4114000	38HDR048−32	CAP**4821A**	58VMR120−20	46,500	11.5	14.0
4744292	38HDR048−32	CAP**4821A**	59*N*A100V21**20	45,500	11.8	14.2
4744293	38HDR048−32	CAP**4821A**	59*P5A100E21**16	45,500	11.8	14.2
4114002	38HDR048−32	CAP**4821A**	OVLAAB048112	46,500	11.5	13.5
3465149	38HDR048−32	CAP**4821A**+TDR		47,000	11.0	13.0
3667228	38HDR048−32	CAP**4823A**	58HDV080−−20	46,500	11.5	14.0
4744304	38HDR048−32	CAP**4823A**	59*N*A100V21**20	45,500	11.8	14.2
4744305	38HDR048−32	CAP**4823A**	59*N*A120V24**22	45,500	12.0	14.5
4744306	38HDR048−32	CAP**4823A**	59*P5A100E21**16	45,500	11.8	14.2
4744307	38HDR048−32	CAP**4823A**	59*P5A120E24**22	46,000	12.0	14.5
3667227	38HDR048−32	CAP**4823A**+TDR		46,500	11.0	13.0
3465158	38HDR048−32	CAP**4824A**	58CV(A,X)135−22	46,500	11.5	13.5
3465159	38HDR048−32	CAP**4824A**	58CV(A,X)155−22	46,500	11.5	13.5
4114003	38HDR048−32	CAP**4824A**	58HDV100−−20	46,500	11.5	14.0
3465161	38HDR048−32	CAP**4824A**	58ME(B,C)120−20	46,500	11.5	14.0
3465157	38HDR048−32	CAP**4824A**	58MV(B,C)120−20	46,500	11.5	13.5
3465160	38HDR048−32	CAP**4824A**	58PH*135−20	46,500	11.5	14.0

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3673355	38HDR048−32	CAP**4824A**	58UVB120−20	46,500	11.5	13.5
4744294	38HDR048−32	CAP**4824A**	59*N*A100V21**20	45,500	11.8	14.2
4744295	38HDR048−32	CAP**4824A**	59*N*A120V24**22	45,500	12.0	14.5
4744296	38HDR048−32	CAP**4824A**	59*P5A100E21**16	46,000	11.8	14.2
4744297	38HDR048−32	CAP**4824A**	59*P5A120E24**22	46,000	12.0	14.5
3465156	38HDR048−32	CAP**4824A**+TDR		47,000	11.0	13.0
3465165	38HDR048−32	CAP**6021A**	58CV(A,X)110−20	47,000	11.5	13.5
3465168	38HDR048−32	CAP**6021A**	58ME(B,C)100−20	47,000	12.0	14.5
3465163	38HDR048−32	CAP**6021A**	58MV(B,C)080−20	47,000	11.5	13.5
3465164	38HDR048−32	CAP**6021A**	58MV(B,C)100−20	47,000	11.5	13.5
3465166	38HDR048−32	CAP**6021A**	58PH*090−16	47,000	12.0	14.5
3465167	38HDR048−32	CAP**6021A**	58PH*110−20	47,000	12.0	14.5
3673356	38HDR048−32	CAP**6021A**	58UVB080−20	47,000	11.5	13.5
3673357	38HDR048−32	CAP**6021A**	58UVB100−20	47,000	11.5	13.5
4114005	38HDR048−32	CAP**6021A**	58VLR120−20	47,000	12.0	14.5
4114004	38HDR048−32	CAP**6021A**	58VMR120−20	47,000	12.0	14.5
4744298	38HDR048−32	CAP**6021A**	59*N*A100V21**20	46,500	12.0	14.5
4744299	38HDR048−32	CAP**6021A**	59*P5A100E21**16	46,500	11.8	14.2
4114006	38HDR048−32	CAP**6021A**	OVLAAB048112	47,000	11.5	14.0
3465162	38HDR048−32	CAP**6021A**+TDR		47,500	11.0	13.0
3465171	38HDR048−32	CAP**6024A**	58CV(A,X)135−22	47,000	11.5	13.5
3465172	38HDR048−32	CAP**6024A**	58CV(A,X)155−22	47,000	11.5	14.0
4114007	38HDR048−32	CAP**6024A**	58HDV100−−20	47,000	12.0	14.5
3465174	38HDR048−32	CAP**6024A**	58ME(B,C)120−20	47,000	12.0	14.5
3465170	38HDR048−32	CAP**6024A**	58MV(B,C)120−20	47,000	11.5	13.5
3465173	38HDR048−32	CAP**6024A**	58PH*135−20	47,000	12.0	14.5
3673358	38HDR048−32	CAP**6024A**	58UVB120−20	47,000	11.5	13.5
4744300	38HDR048−32	CAP**6024A**	59*N*A100V21**20	46,500	12.0	14.5
4744301	38HDR048−32	CAP**6024A**	59*N*A120V24**22	46,500	12.5	15.0
4744302	38HDR048−32	CAP**6024A**	59*P5A100E21**16	46,500	12.0	14.5
4744303	38HDR048−32	CAP**6024A**	59*P5A120E24**22	47,000	12.0	14.5
3465169	38HDR048−32	CAP**6024A**+TDR		47,500	11.0	13.0
3667230	38HDR048−32	CAP**6025A**	58HDV100−−20	47,500	12.0	14.5
4744308	38HDR048−32	CAP**6025A**	59*N*A100V21**20	46,500	12.0	14.5
4744309	38HDR048−32	CAP**6025A**	59*N*A120V24**22	46,500	12.5	15.0
4744310	38HDR048−32	CAP**6025A**	59*P5A100E21**16	46,500	12.0	14.5
4744311	38HDR048−32	CAP**6025A**	59*P5A120E24**22	47,000	12.0	14.5
3667229	38HDR048−32	CAP**6025A**+TDR		47,500	11.0	13.0
3465197	38HDR048−32	CNPH*4821A**	58CV(A,X)090−16	46,500	11.5	13.5
3465198	38HDR048−32	CNPH*4821A**	58CV(A,X)110−20	46,500	11.5	13.5
3465199	38HDR048−32	CNPH*4821A**	58CV(A,X)135−22	46,500	11.5	13.5
3465200	38HDR048−32	CNPH*4821A**	58CV(A,X)155−22	46,500	11.5	13.5
4114013	38HDR048−32	CNPH*4821A**	58HDV080−−20	47,000	11.5	14.0
4114014	38HDR048−32	CNPH*4821A**	58HDV100−−20	46,500	11.5	14.0
3465204	38HDR048−32	CNPH*4821A**	58ME(B,C)080−16	46,500	11.5	14.0
3465205	38HDR048−32	CNPH*4821A**	58ME(B,C)100−20	46,500	11.5	14.0
3465206	38HDR048−32	CNPH*4821A**	58ME(B,C)120−20	46,500	11.5	14.0
3465194	38HDR048−32	CNPH*4821A**	58MV(B,C)080−20	46,500	11.5	13.5
3465195	38HDR048−32	CNPH*4821A**	58MV(B,C)100−20	46,500	11.5	13.5
3465196	38HDR048−32	CNPH*4821A**	58MV(B,C)120−20	46,500	11.5	13.5
3465201	38HDR048−32	CNPH*4821A**	58PH*090−16	46,500	11.5	13.5
3465202	38HDR048−32	CNPH*4821A**	58PH*110−20	46,500	11.5	13.5
3465203	38HDR048−32	CNPH*4821A**	58PH*135−20	46,500	11.5	13.5
4114016	38HDR048−32	CNPH*4821A**	58VLR120−20	46,500	12.0	14.5
4114015	38HDR048−32	CNPH*4821A**	58VMR120−20	46,500	12.0	14.5
4744327	38HDR048−32	CNPH*4821A**	59*N*A100V21**20	46,000	12.0	14.5
4744328	38HDR048−32	CNPH*4821A**	59*N*A120V24**22	46,000	12.0	14.5
4744329	38HDR048−32	CNPH*4821A**	59*P5A080E17**16	46,000	11.5	14.0
4744330	38HDR048−32	CNPH*4821A**	59*P5A100E21**16	46,000	11.8	14.2
4744331	38HDR048−32	CNPH*4821A**	59*P5A120E24**22	46,500	12.0	14.5
4114017	38HDR048−32	CNPH*4821A**	OVLAAB048112	46,500	11.5	13.5
4114018	38HDR048−32	CNPH*4821A**	OVLAAB060154	46,500	11.5	14.0
3465193	38HDR048−32	CNPH*4821A**+TDR		47,000	11.0	13.0
3465211	38HDR048−32	CNPH*6024A**	58CV(A,X)090−16	47,000	11.5	13.5
3465212	38HDR048−32	CNPH*6024A**	58CV(A,X)110−20	47,000	11.5	13.5
3465213	38HDR048−32	CNPH*6024A**	58CV(A,X)135−22	47,000	11.5	13.5
3465214	38HDR048−32	CNPH*6024A**	58CV(A,X)155−22	47,000	11.5	14.0
4114019	38HDR048−32	CNPH*6024A**	58HDV080−−20	47,000	12.0	14.5
4114020	38HDR048−32	CNPH*6024A**	58HDV100−−20	47,000	12.0	14.5
3465218	38HDR048−32	CNPH*6024A**	58ME(B,C)080−16	47,000	11.5	14.0
3465219	38HDR048−32	CNPH*6024A**	58ME(B,C)100−20	47,000	12.0	14.5
3465220	38HDR048−32	CNPH*6024A**	58ME(B,C)120−20	47,000	12.0	14.5
3465208	38HDR048−32	CNPH*6024A**	58MV(B,C)080−20	47,000	11.5	13.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3465209	38HDR048−32	CNPH*6024A**	58MV(B,C)100−20	47,000	11.5	13.5
3465210	38HDR048−32	CNPH*6024A**	58MV(B,C)120−20	47,000	11.5	13.5
3465215	38HDR048−32	CNPH*6024A**	58PH*090−16	47,000	12.0	14.5
3465216	38HDR048−32	CNPH*6024A**	58PH*110−20	47,000	12.0	14.5
3465217	38HDR048−32	CNPH*6024A**	58PH*135−20	47,000	12.0	14.5
4114022	38HDR048−32	CNPH*6024A**	58VLR120−20	47,000	12.0	14.5
4114021	38HDR048−32	CNPH*6024A**	58VMR120−20	47,000	12.0	14.5
4744332	38HDR048−32	CNPH*6024A**	59*N*A100V21**20	46,500	12.0	14.5
4744333	38HDR048−32	CNPH*6024A**	59*N*A120V24**22	46,500	12.5	15.0
4744334	38HDR048−32	CNPH*6024A**	59*P5A080E17**16	46,500	11.8	14.2
4744335	38HDR048−32	CNPH*6024A**	59*P5A100E21**16	46,500	12.0	14.5
4744336	38HDR048−32	CNPH*6024A**	59*P5A120E24**22	47,000	12.0	14.5
4114023	38HDR048−32	CNPH*6024A**	OVLAAB048112	47,000	11.5	14.0
4114024	38HDR048−32	CNPH*6024A**	OVLAAB060154	47,000	12.0	14.5
3465207	38HDR048−32	CNPH*6024A**+TDR		47,500	11.0	13.0
3667242	38HDR048−32	CNPH*6124A**	58CV(A,X)090−16	47,000	12.0	14.5
3667243	38HDR048−32	CNPH*6124A**	58CV(A,X)110−20	47,000	12.0	14.5
3667244	38HDR048−32	CNPH*6124A**	58CV(A,X)135−22	47,000	12.0	14.5
3667245	38HDR048−32	CNPH*6124A**	58CV(A,X)155−22	47,000	12.0	14.5
3667253	38HDR048−32	CNPH*6124A**	58HDV080−−20	47,000	11.5	14.0
3667254	38HDR048−32	CNPH*6124A**	58HDV100−−20	47,000	11.5	14.0
3716359	38HDR048−32	CNPH*6124A**	58ME(B,C)080−16	47,000	12.0	14.5
3716360	38HDR048−32	CNPH*6124A**	58ME(B,C)100−20	47,000	12.0	14.5
3716361	38HDR048−32	CNPH*6124A**	58ME(B,C)120−20	47,000	12.5	15.0
3667239	38HDR048−32	CNPH*6124A**	58MV(B,C)080−20	47,000	11.5	14.0
3667240	38HDR048−32	CNPH*6124A**	58MV(B,C)100−20	47,000	11.5	14.0
3667241	38HDR048−32	CNPH*6124A**	58MV(B,C)120−20	47,000	12.0	14.5
3667246	38HDR048−32	CNPH*6124A**	58PH*070−16	47,000	11.0	13.5
3667247	38HDR048−32	CNPH*6124A**	58PH*090−16	47,000	12.0	14.5
3667248	38HDR048−32	CNPH*6124A**	58PH*110−20	47,000	12.0	14.5
3667249	38HDR048−32	CNPH*6124A**	58PH*135−20	47,000	12.0	14.5
4114026	38HDR048−32	CNPH*6124A**	58VLR120−20	47,500	12.0	14.5
4114025	38HDR048−32	CNPH*6124A**	58VMR120−20	47,500	12.0	14.5
4744337	38HDR048−32	CNPH*6124A**	59*N*A100V21**20	46,500	12.0	14.5
4744338	38HDR048−32	CNPH*6124A**	59*N*A120V24**22	46,500	12.5	15.0
4744339	38HDR048−32	CNPH*6124A**	59*P5A100E21**16	47,000	12.0	14.5
4744340	38HDR048−32	CNPH*6124A**	59*P5A120E24**22	47,000	12.0	14.5
4114027	38HDR048−32	CNPH*6124A**	OVLAAB048112	47,500	11.5	14.0
4114028	38HDR048−32	CNPH*6124A**	OVLAAB060154	47,500	12.0	14.5
3667238	38HDR048−32	CNPH*6124A**+TDR		47,500	11.0	13.0
3465177	38HDR048−32	CNPV*4821A**	58CV(A,X)110−20	46,500	11.5	13.5
4129775	38HDR048−32	CNPV*4821A**	58HDV080−−20	46,500	11.5	14.0
3465180	38HDR048−32	CNPV*4821A**	58ME(B,C)100−20	46,500	11.5	13.5
3465175	38HDR048−32	CNPV*4821A**	58MV(B,C)080−20	46,500	11.5	13.5
3465176	38HDR048−32	CNPV*4821A**	58MV(B,C)100−20	46,500	11.5	13.5
3465178	38HDR048−32	CNPV*4821A**	58PH*090−16	46,500	11.5	14.0
3465179	38HDR048−32	CNPV*4821A**	58PH*110−20	46,500	11.5	14.0
3757006	38HDR048−32	CNPV*4821A**	58UVB080−20	46,500	11.5	13.5
3757007	38HDR048−32	CNPV*4821A**	58UVB100−20	46,500	11.5	13.5
4114009	38HDR048−32	CNPV*4821A**	58VLR120−20	46,500	12.0	14.5
4114008	38HDR048−32	CNPV*4821A**	58VMR120−20	46,500	12.0	14.5
4744312	38HDR048−32	CNPV*4821A**	59*N*A100V21**20	46,000	12.0	14.5
4744313	38HDR048−32	CNPV*4821A**	59*P5A080E17**16	46,000	11.5	14.0
4744314	38HDR048−32	CNPV*4821A**	59*P5A100E21**16	46,000	11.8	14.2
4114010	38HDR048−32	CNPV*4821A**	OVLAAB048112	46,500	11.5	13.5
3465183	38HDR048−32	CNPV*4824A**	58CV(A,X)135−22	46,500	11.5	13.5
3465184	38HDR048−32	CNPV*4824A**	58CV(A,X)155−22	46,500	11.5	13.5
4129776	38HDR048−32	CNPV*4824A**	58HDV080−−20	46,500	11.5	14.0
4114011	38HDR048−32	CNPV*4824A**	58HDV100−−20	46,500	11.5	14.0
3465186	38HDR048−32	CNPV*4824A**	58ME(B,C)120−20	46,500	11.5	14.0
3465182	38HDR048−32	CNPV*4824A**	58MV(B,C)120−20	46,500	11.5	13.5
3465185	38HDR048−32	CNPV*4824A**	58PH*135−20	46,500	11.5	14.0
3757008	38HDR048−32	CNPV*4824A**	58UVB120−20	46,500	11.5	13.5
4744315	38HDR048−32	CNPV*4824A**	59*N*A100V21**20	46,000	12.0	14.5
4744316	38HDR048−32	CNPV*4824A**	59*N*A120V24**22	46,000	12.0	14.5
4744317	38HDR048−32	CNPV*4824A**	59*P5A100E21**16	46,000	11.8	14.2
4744318	38HDR048−32	CNPV*4824A**	59*P5A120E24**22	46,500	12.0	14.5
3465181	38HDR048−32	CNPV*4824A**+TDR		47,000	11.0	13.0
3465189	38HDR048−32	CNPV*6024A**	58CV(A,X)135−22	47,000	11.5	13.5
3465190	38HDR048−32	CNPV*6024A**	58CV(A,X)155−22	47,000	11.5	14.0
4129777	38HDR048−32	CNPV*6024A**	58HDV080−−20	47,000	12.0	14.5
4114012	38HDR048−32	CNPV*6024A**	58HDV100−−20	47,000	12.0	14.5
3465192	38HDR048−32	CNPV*6024A**	58ME(B,C)120−20	47,000	12.0	14.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3465188	38HDR048−32	CNPV*6024A**	58MV(B,C)120−20	47,000	11.5	13.5
3465191	38HDR048−32	CNPV*6024A**	58PH*135−20	47,000	12.0	14.5
3757009	38HDR048−32	CNPV*6024A**	58UVB120−20	47,000	11.5	13.5
4744319	38HDR048−32	CNPV*6024A**	59*N*A100V21**20	46,500	12.0	14.5
4744320	38HDR048−32	CNPV*6024A**	59*N*A120V24**22	46,500	12.5	15.0
4744321	38HDR048−32	CNPV*6024A**	59*P5A100E21**16	46,500	12.0	14.5
4744322	38HDR048−32	CNPV*6024A**	59*P5A120E24**22	47,000	12.0	14.5
3465187	38HDR048−32	CNPV*6024A**+TDR		47,500	11.0	13.0
3667233	38HDR048−32	CNPV*6124A**	58CV(A,X)135−22	47,500	12.5	15.0
3667234	38HDR048−32	CNPV*6124A**	58CV(A,X)155−22	47,500	12.5	15.0
4129778	38HDR048−32	CNPV*6124A**	58HDV080−−20	47,500	12.0	14.5
3716358	38HDR048−32	CNPV*6124A**	58HDV100−−20 (DWNFLW ONLY)	47,500	12.0	14.5
3716357	38HDR048−32	CNPV*6124A**	58ME(B,C)120−20	47,500	12.5	15.0
3667232	38HDR048−32	CNPV*6124A**	58MV(B,C)120−20	47,500	12.0	14.5
3667235	38HDR048−32	CNPV*6124A**	58PH*135−20	47,500	12.5	15.0
3716385	38HDR048−32	CNPV*6124A**	58UVB120−20	47,500	12.0	14.5
4744323	38HDR048−32	CNPV*6124A**	59*N*A100V21**20	47,000	12.0	14.5
4744324	38HDR048−32	CNPV*6124A**	59*N*A120V24**22	47,000	12.5	15.2
4744325	38HDR048−32	CNPV*6124A**	59*P5A100E21**16	47,500	12.0	14.5
4744326	38HDR048−32	CNPV*6124A**	59*P5A120E24**22	47,500	12.5	15.0
3667231	38HDR048−32	CNPV*6124A**+TDR		47,500	11.0	13.0
3465226	38HDR048−32	CSPH*4812A**	58CV(A,X)090−16	46,500	11.5	13.5
3465227	38HDR048−32	CSPH*4812A**	58CV(A,X)110−20	46,500	11.5	13.5
3465228	38HDR048−32	CSPH*4812A**	58CV(A,X)135−22	46,500	11.5	13.5
3465229	38HDR048−32	CSPH*4812A**	58CV(A,X)155−22	46,500	11.5	13.5
3667255	38HDR048−32	CSPH*4812A**	58HDV080−−20	47,000	11.5	14.0
3667256	38HDR048−32	CSPH*4812A**	58HDV100−−20	47,000	11.5	14.0
3465233	38HDR048−32	CSPH*4812A**	58ME(B,C)080−16	46,500	11.5	14.0
3465234	38HDR048−32	CSPH*4812A**	58ME(B,C)100−20	46,500	11.5	14.0
3465235	38HDR048−32	CSPH*4812A**	58ME(B,C)120−20	46,500	11.5	14.0
3465223	38HDR048−32	CSPH*4812A**	58MV(B,C)080−20	46,500	11.5	13.5
3465224	38HDR048−32	CSPH*4812A**	58MV(B,C)100−20	46,500	11.5	13.5
3465225	38HDR048−32	CSPH*4812A**	58MV(B,C)120−20	46,500	11.5	13.5
3465230	38HDR048−32	CSPH*4812A**	58PH*090−16	46,500	11.5	14.0
3465231	38HDR048−32	CSPH*4812A**	58PH*110−20	46,500	11.5	14.0
3465232	38HDR048−32	CSPH*4812A**	58PH*135−20	46,500	11.5	14.0
4114030	38HDR048−32	CSPH*4812A**	58VLR120−20	46,500	12.0	14.5
4114029	38HDR048−32	CSPH*4812A**	58VMR120−20	46,500	12.0	14.5
4744341	38HDR048−32	CSPH*4812A**	59*N*A100V21**20	46,000	11.8	14.2
4744342	38HDR048−32	CSPH*4812A**	59*N*A120V24**22	46,000	12.0	14.5
4744343	38HDR048−32	CSPH*4812A**	59*P5A100E21**16	46,000	11.8	14.2
4744344	38HDR048−32	CSPH*4812A**	59*P5A120E24**22	46,500	12.0	14.5
4114031	38HDR048−32	CSPH*4812A**	OVLAAB048112	46,500	11.5	13.5
4114032	38HDR048−32	CSPH*4812A**	OVLAAB060154	46,500	11.5	14.0
3465222	38HDR048−32	CSPH*4812A**+TDR		47,000	11.0	13.0
3465240	38HDR048−32	CSPH*6012A**	58CV(A,X)090−16	47,000	11.5	13.5
3465241	38HDR048−32	CSPH*6012A**	58CV(A,X)110−20	47,000	11.5	14.0
3465242	38HDR048−32	CSPH*6012A**	58CV(A,X)135−22	47,000	11.5	14.0
3465243	38HDR048−32	CSPH*6012A**	58CV(A,X)155−22	47,000	11.5	14.0
3667257	38HDR048−32	CSPH*6012A**	58HDV080−−20	47,500	11.5	14.0
3667258	38HDR048−32	CSPH*6012A**	58HDV100−−20	47,500	11.5	14.0
3465247	38HDR048−32	CSPH*6012A**	58ME(B,C)080−16	47,000	12.0	14.5
3465248	38HDR048−32	CSPH*6012A**	58ME(B,C)100−20	47,000	12.0	14.5
3465249	38HDR048−32	CSPH*6012A**	58ME(B,C)120−20	47,000	12.0	14.5
3465237	38HDR048−32	CSPH*6012A**	58MV(B,C)080−20	47,000	11.5	13.5
3465238	38HDR048−32	CSPH*6012A**	58MV(B,C)100−20	47,000	11.5	13.5
3465239	38HDR048−32	CSPH*6012A**	58MV(B,C)120−20	47,000	11.5	13.5
3465244	38HDR048−32	CSPH*6012A**	58PH*090−16	47,000	12.0	14.5
3465245	38HDR048−32	CSPH*6012A**	58PH*110−20	47,000	12.0	14.5
3465246	38HDR048−32	CSPH*6012A**	58PH*135−20	47,000	12.0	14.5
4114034	38HDR048−32	CSPH*6012A**	58VLR120−20	47,000	12.0	14.5
4114033	38HDR048−32	CSPH*6012A**	58VMR120−20	47,000	12.0	14.5
4744345	38HDR048−32	CSPH*6012A**	59*N*A100V21**20	46,500	12.0	14.5
4744346	38HDR048−32	CSPH*6012A**	59*N*A120V24**22	47,000	12.5	15.0
4744347	38HDR048−32	CSPH*6012A**	59*P5A080E17**16	47,000	11.8	14.2
4744348	38HDR048−32	CSPH*6012A**	59*P5A100E21**16	47,000	12.0	14.5
4744349	38HDR048−32	CSPH*6012A**	59*P5A120E24**22	47,500	12.5	15.0
4114035	38HDR048−32	CSPH*6012A**	OVLAAB048112	47,000	11.5	14.0
4114036	38HDR048−32	CSPH*6012A**	OVLAAB060154	47,000	12.0	14.5
3465236	38HDR048−32	CSPH*6012A**+TDR		47,500	11.0	13.0
4084967	38HDR048−32	FB4CNF048+TXV		47,000	11.5	14.0
4084968	38HDR048−32	FB4CNF060		47,500	12.0	14.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3465254	38HDR048−32	FE4AN(B,F)005+UI		47,000	11.5	13.5
3465255	38HDR048−32	FE4ANB006+UI		47,500	11.5	14.0
3919862	38HDR048−32	FV4CN(B,F)005		47,000	11.5	14.0
3919863	38HDR048−32	FV4CNB006		47,500	11.5	14.0
3752247	38HDR048−32	FX4DN(B,F)049		47,500	12.0	14.5
3752248	38HDR048−32	FX4DN(B,F)061		48,000	12.5	15.0
4084970	38HDR048−32	FY5BNB060		47,500	11.5	13.5
4084969	38HDR048−32	FY5BNF048+TXV		47,000	12.0	14.5
3465258	38HDR048−52	†CNPV*4821A**+TDR		47,000	11.0	13.0
3465260	38HDR048−52	CAP**4817A**	58CV(A,X)090−16	46,500	11.5	13.5
3465262	38HDR048−52	CAP**4817A**	58ME(B,C)080−16	46,500	11.5	14.0
3465261	38HDR048−52	CAP**4817A**	58PH*070−16	46,500	11.5	13.5
3465259	38HDR048−52	CAP**4817A**+TDR		46,500	11.0	13.0
3465266	38HDR048−52	CAP**4821A**	58CV(A,X)110−20	46,500	11.5	13.5
3465269	38HDR048−52	CAP**4821A**	58ME(B,C)100−20	46,500	11.5	14.0
3465264	38HDR048−52	CAP**4821A**	58MV(B,C)080−20	46,000	11.5	13.5
3465265	38HDR048−52	CAP**4821A**	58MV(B,C)100−20	46,500	11.5	13.5
3465267	38HDR048−52	CAP**4821A**	58PH*090−16	46,500	11.5	14.0
3465268	38HDR048−52	CAP**4821A**	58PH*110−20	46,500	11.5	14.0
3673359	38HDR048−52	CAP**4821A**	58UVB080−20	46,000	11.5	13.5
3673360	38HDR048−52	CAP**4821A**	58UVB100−20	46,500	11.5	13.5
4114124	38HDR048−52	CAP**4821A**	58VLR120−20	46,500	12.0	14.5
4114123	38HDR048−52	CAP**4821A**	58VMR120−20	46,500	11.5	14.0
4816746	38HDR048−52	CAP**4821A**	59*N*A100V21**20	45,500	11.8	14.2
4816747	38HDR048−52	CAP**4821A**	59*P5A100E21**16	45,500	11.8	14.2
4114125	38HDR048−52	CAP**4821A**	OVLAAB048112	46,500	11.5	13.5
3465263	38HDR048−52	CAP**4821A**+TDR		47,000	11.0	13.0
4085189	38HDR048−52	CAP**4823A**	58HDV080−−20	46,500	11.5	14.0
4816758	38HDR048−52	CAP**4823A**	59*N*A100V21**20	45,500	11.8	14.2
4816759	38HDR048−52	CAP**4823A**	59*N*A120V24**22	45,500	12.0	14.5
4816760	38HDR048−52	CAP**4823A**	59*P5A100E21**16	45,500	11.8	14.2
4816761	38HDR048−52	CAP**4823A**	59*P5A120E24**22	46,000	12.0	14.5
4085192	38HDR048−52	CAP**4823A**+TDR		46,500	11.0	13.0
3465272	38HDR048−52	CAP**4824A**	58CV(A,X)135−22	46,500	11.5	13.5
3465273	38HDR048−52	CAP**4824A**	58CV(A,X)155−22	46,500	11.5	13.5
4114126	38HDR048−52	CAP**4824A**	58HDV100−−20	46,500	11.5	14.0
3465275	38HDR048−52	CAP**4824A**	58ME(B,C)120−20	46,500	11.5	14.0
3465271	38HDR048−52	CAP**4824A**	58MV(B,C)120−20	46,500	11.5	13.5
3465274	38HDR048−52	CAP**4824A**	58PH*135−20	46,500	11.5	14.0
3673361	38HDR048−52	CAP**4824A**	58UVB120−20	46,500	11.5	13.5
4816748	38HDR048−52	CAP**4824A**	59*N*A100V21**20	45,500	11.8	14.2
4816749	38HDR048−52	CAP**4824A**	59*N*A120V24**22	45,500	12.0	14.5
4816750	38HDR048−52	CAP**4824A**	59*P5A100E21**16	46,000	11.8	14.2
4816751	38HDR048−52	CAP**4824A**	59*P5A120E24**22	46,000	12.0	14.5
3465270	38HDR048−52	CAP**4824A**+TDR		47,000	11.0	13.0
3465279	38HDR048−52	CAP**6021A**	58CV(A,X)110−20	47,000	11.5	13.5
3465282	38HDR048−52	CAP**6021A**	58ME(B,C)100−20	47,000	12.0	14.5
3465277	38HDR048−52	CAP**6021A**	58MV(B,C)080−20	47,000	11.5	13.5
3465278	38HDR048−52	CAP**6021A**	58MV(B,C)100−20	47,000	11.5	13.5
3465280	38HDR048−52	CAP**6021A**	58PH*090−16	47,000	12.0	14.5
3465281	38HDR048−52	CAP**6021A**	58PH*110−20	47,000	12.0	14.5
3673362	38HDR048−52	CAP**6021A**	58UVB080−20	47,000	11.5	13.5
3673363	38HDR048−52	CAP**6021A**	58UVB100−20	47,000	11.5	13.5
4114128	38HDR048−52	CAP**6021A**	58VLR120−20	47,000	12.0	14.5
4114127	38HDR048−52	CAP**6021A**	58VMR120−20	47,000	12.0	14.5
4816752	38HDR048−52	CAP**6021A**	59*N*A100V21**20	46,500	12.0	14.5
4816753	38HDR048−52	CAP**6021A**	59*P5A100E21**16	46,500	11.8	14.2
4114129	38HDR048−52	CAP**6021A**	OVLAAB048112	47,000	11.5	14.0
3465276	38HDR048−52	CAP**6021A**+TDR		47,500	11.0	13.0
3465285	38HDR048−52	CAP**6024A**	58CV(A,X)135−22	47,000	11.5	13.5
3465286	38HDR048−52	CAP**6024A**	58CV(A,X)155−22	47,000	11.5	14.0
4114130	38HDR048−52	CAP**6024A**	58HDV100−−20	47,000	12.0	14.5
3465288	38HDR048−52	CAP**6024A**	58ME(B,C)120−20	47,000	12.0	14.5
3465284	38HDR048−52	CAP**6024A**	58MV(B,C)120−20	47,000	11.5	13.5
3465287	38HDR048−52	CAP**6024A**	58PH*135−20	47,000	12.0	14.5
3673364	38HDR048−52	CAP**6024A**	58UVB120−20	47,000	11.5	13.5
4816754	38HDR048−52	CAP**6024A**	59*N*A100V21**20	46,500	12.0	14.5
4816755	38HDR048−52	CAP**6024A**	59*N*A120V24**22	46,500	12.5	15.0
4816756	38HDR048−52	CAP**6024A**	59*P5A100E21**16	46,500	12.0	14.5
4816757	38HDR048−52	CAP**6024A**	59*P5A120E24**22	47,000	12.0	14.5
3465283	38HDR048−52	CAP**6024A**+TDR		47,500	11.0	13.0
4816762	38HDR048−52	CAP**6025A**	59*N*A100V21**20	46,500	12.0	14.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4816763	38HDR048−52	CAP**6025A**	59*N*A120V24**22	46,500	12.5	15.0
4816764	38HDR048−52	CAP**6025A**	59*P5A100E21**16	46,500	12.0	14.5
4816765	38HDR048−52	CAP**6025A**	59*P5A120E24**22	47,000	12.0	14.5
3465311	38HDR048−52	CNPH*4821A**	58CV(A,X)090−16	46,500	11.5	13.5
3465312	38HDR048−52	CNPH*4821A**	58CV(A,X)110−20	46,500	11.5	13.5
3465313	38HDR048−52	CNPH*4821A**	58CV(A,X)135−22	46,500	11.5	13.5
3465314	38HDR048−52	CNPH*4821A**	58CV(A,X)155−22	46,500	11.5	13.5
4114136	38HDR048−52	CNPH*4821A**	58HDV080−−20	47,000	11.5	14.0
4114137	38HDR048−52	CNPH*4821A**	58HDV100−−20	46,500	11.5	14.0
3465318	38HDR048−52	CNPH*4821A**	58ME(B,C)080−16	46,500	11.5	14.0
3465319	38HDR048−52	CNPH*4821A**	58ME(B,C)100−20	46,500	11.5	14.0
3465320	38HDR048−52	CNPH*4821A**	58ME(B,C)120−20	46,500	11.5	14.0
3465308	38HDR048−52	CNPH*4821A**	58MV(B,C)080−20	46,500	11.5	13.5
3465309	38HDR048−52	CNPH*4821A**	58MV(B,C)100−20	46,500	11.5	13.5
3465310	38HDR048−52	CNPH*4821A**	58MV(B,C)120−20	46,500	11.5	13.5
3465315	38HDR048−52	CNPH*4821A**	58PH*090−16	46,500	11.5	13.5
3465316	38HDR048−52	CNPH*4821A**	58PH*110−20	46,500	11.5	13.5
3465317	38HDR048−52	CNPH*4821A**	58PH*135−20	46,500	11.5	13.5
4114139	38HDR048−52	CNPH*4821A**	58VLR120−20	46,500	12.0	14.5
4114138	38HDR048−52	CNPH*4821A**	58VMR120−20	46,500	12.0	14.5
4816781	38HDR048−52	CNPH*4821A**	59*N*A100V21**20	46,000	12.0	14.5
4816782	38HDR048−52	CNPH*4821A**	59*N*A120V24**22	46,000	12.0	14.5
4816783	38HDR048−52	CNPH*4821A**	59*P5A080E17**16	46,000	11.5	14.0
4816784	38HDR048−52	CNPH*4821A**	59*P5A100E21**16	46,000	11.8	14.2
4816785	38HDR048−52	CNPH*4821A**	59*P5A120E24**22	46,500	12.0	14.5
4114140	38HDR048−52	CNPH*4821A**	OVLAAB048112	46,500	11.5	13.5
4114141	38HDR048−52	CNPH*4821A**	OVLAAB060154	46,500	11.5	14.0
3465307	38HDR048−52	CNPH*4821A**+TDR		47,000	11.0	13.0
3465325	38HDR048−52	CNPH*6024A**	58CV(A,X)090−16	47,000	11.5	13.5
3465326	38HDR048−52	CNPH*6024A**	58CV(A,X)110−20	47,000	11.5	13.5
3465327	38HDR048−52	CNPH*6024A**	58CV(A,X)135−22	47,000	11.5	13.5
3465328	38HDR048−52	CNPH*6024A**	58CV(A,X)155−22	47,000	11.5	14.0
4114142	38HDR048−52	CNPH*6024A**	58HDV080−−20	47,000	12.0	14.5
4114143	38HDR048−52	CNPH*6024A**	58HDV100−−20	47,000	12.0	14.5
3465332	38HDR048−52	CNPH*6024A**	58ME(B,C)080−16	47,000	11.5	14.0
3465333	38HDR048−52	CNPH*6024A**	58ME(B,C)100−20	47,000	12.0	14.5
3465334	38HDR048−52	CNPH*6024A**	58ME(B,C)120−20	47,000	12.0	14.5
3465322	38HDR048−52	CNPH*6024A**	58MV(B,C)080−20	47,000	11.5	13.5
3465323	38HDR048−52	CNPH*6024A**	58MV(B,C)100−20	47,000	11.5	13.5
3465324	38HDR048−52	CNPH*6024A**	58MV(B,C)120−20	47,000	11.5	13.5
3465329	38HDR048−52	CNPH*6024A**	58PH*090−16	47,000	12.0	14.5
3465330	38HDR048−52	CNPH*6024A**	58PH*110−20	47,000	12.0	14.5
3465331	38HDR048−52	CNPH*6024A**	58PH*135−20	47,000	12.0	14.5
4114145	38HDR048−52	CNPH*6024A**	58VLR120−20	47,000	12.0	14.5
4114144	38HDR048−52	CNPH*6024A**	58VMR120−20	47,000	12.0	14.5
4816786	38HDR048−52	CNPH*6024A**	59*N*A100V21**20	46,500	12.0	14.5
4816787	38HDR048−52	CNPH*6024A**	59*N*A120V24**22	46,500	12.5	15.0
4816788	38HDR048−52	CNPH*6024A**	59*P5A080E17**16	46,500	11.8	14.2
4816789	38HDR048−52	CNPH*6024A**	59*P5A100E21**16	46,500	12.0	14.5
4816790	38HDR048−52	CNPH*6024A**	59*P5A120E24**22	47,000	12.0	14.5
4114146	38HDR048−52	CNPH*6024A**	OVLAAB048112	47,000	11.5	14.0
4114147	38HDR048−52	CNPH*6024A**	OVLAAB060154	47,000	12.0	14.5
3465321	38HDR048−52	CNPH*6024A**+TDR		47,500	11.0	13.0
4085153	38HDR048−52	CNPH*6124A**	58CV(A,X)090−16	47,000	12.0	14.5
4085155	38HDR048−52	CNPH*6124A**	58CV(A,X)110−20	47,000	12.0	14.5
4085157	38HDR048−52	CNPH*6124A**	58CV(A,X)135−22	47,000	12.0	14.5
4085159	38HDR048−52	CNPH*6124A**	58CV(A,X)155−22	47,000	12.0	14.5
4085161	38HDR048−52	CNPH*6124A**	58HDV080−−20	47,000	11.5	14.0
4085163	38HDR048−52	CNPH*6124A**	58HDV100−−20	47,000	11.5	14.0
4085165	38HDR048−52	CNPH*6124A**	58ME(B,C)080−16	47,000	12.0	14.5
4085167	38HDR048−52	CNPH*6124A**	58ME(B,C)100−20	47,000	12.0	14.5
4085169	38HDR048−52	CNPH*6124A**	58ME(B,C)120−20	47,000	12.5	15.0
4085173	38HDR048−52	CNPH*6124A**	58MV(B,C)080−20	47,000	11.5	14.0
4085174	38HDR048−52	CNPH*6124A**	58MV(B,C)100−20	47,000	11.5	14.0
4085176	38HDR048−52	CNPH*6124A**	58MV(B,C)120−20	47,000	12.0	14.5
4085179	38HDR048−52	CNPH*6124A**	58PH*070−16	47,000	11.0	13.5
4085181	38HDR048−52	CNPH*6124A**	58PH*090−16	47,000	12.0	14.5
4085183	38HDR048−52	CNPH*6124A**	58PH*110−20	47,000	12.0	14.5
4085184	38HDR048−52	CNPH*6124A**	58PH*135−20	47,000	12.0	14.5
4114149	38HDR048−52	CNPH*6124A**	58VLR120−20	47,500	12.0	14.5
4114148	38HDR048−52	CNPH*6124A**	58VMR120−20	47,500	12.0	14.5
4816791	38HDR048−52	CNPH*6124A**	59*N*A100V21**20	46,500	12.0	14.5
4816792	38HDR048−52	CNPH*6124A**	59*N*A120V24**22	46,500	12.5	15.0

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4816793	38HDR048−52	CNPH*6124A**	59*P5A100E21**16	47,000	12.0	14.5
4816794	38HDR048−52	CNPH*6124A**	59*P5A120E24**22	47,000	12.0	14.5
4114150	38HDR048−52	CNPH*6124A**	OVLAAB048112	47,500	11.5	14.0
4114151	38HDR048−52	CNPH*6124A**	OVLAAB060154	47,500	12.0	14.5
4085187	38HDR048−52	CNPH*6124A**+TDR		47,500	11.0	13.0
3465291	38HDR048−52	CNPV*4821A**	58CV(A,X)110−20	46,500	11.5	13.5
4129792	38HDR048−52	CNPV*4821A**	58HDV080−−20	46,500	11.5	14.0
3465294	38HDR048−52	CNPV*4821A**	58ME(B,C)100−20	46,500	11.5	13.5
3465289	38HDR048−52	CNPV*4821A**	58MV(B,C)080−20	46,500	11.5	13.5
3465290	38HDR048−52	CNPV*4821A**	58MV(B,C)100−20	46,500	11.5	13.5
3465292	38HDR048−52	CNPV*4821A**	58PH*090−16	46,500	11.5	14.0
3465293	38HDR048−52	CNPV*4821A**	58PH*110−20	46,500	11.5	14.0
3757010	38HDR048−52	CNPV*4821A**	58UVB080−20	46,500	11.5	13.5
3757011	38HDR048−52	CNPV*4821A**	58UVB100−20	46,500	11.5	13.5
4114132	38HDR048−52	CNPV*4821A**	58VLR120−20	46,500	12.0	14.5
4114131	38HDR048−52	CNPV*4821A**	58VMR120−20	46,500	12.0	14.5
4816766	38HDR048−52	CNPV*4821A**	59*N*A100V21**20	46,000	12.0	14.5
4816767	38HDR048−52	CNPV*4821A**	59*P5A080E17**16	46,000	11.5	14.0
4816768	38HDR048−52	CNPV*4821A**	59*P5A100E21**16	46,000	11.8	14.2
4114133	38HDR048−52	CNPV*4821A**	OVLAAB048112	46,500	11.5	13.5
3465297	38HDR048−52	CNPV*4824A**	58CV(A,X)135−22	46,500	11.5	13.5
3465298	38HDR048−52	CNPV*4824A**	58CV(A,X)155−22	46,500	11.5	13.5
4129793	38HDR048−52	CNPV*4824A**	58HDV080−−20	46,500	11.5	14.0
4114134	38HDR048−52	CNPV*4824A**	58HDV100−−20	46,500	11.5	14.0
3465300	38HDR048−52	CNPV*4824A**	58ME(B,C)120−20	46,500	11.5	14.0
3465296	38HDR048−52	CNPV*4824A**	58MV(B,C)120−20	46,500	11.5	13.5
3465299	38HDR048−52	CNPV*4824A**	58PH*135−20	46,500	11.5	14.0
3757012	38HDR048−52	CNPV*4824A**	58UVB120−20	46,500	11.5	13.5
4816769	38HDR048−52	CNPV*4824A**	59*N*A100V21**20	46,000	12.0	14.5
4816770	38HDR048−52	CNPV*4824A**	59*N*A120V24**22	46,000	12.0	14.5
4816771	38HDR048−52	CNPV*4824A**	59*P5A100E21**16	46,000	11.8	14.2
4816772	38HDR048−52	CNPV*4824A**	59*P5A120E24**22	46,500	12.0	14.5
3465295	38HDR048−52	CNPV*4824A**+TDR		47,000	11.0	13.0
3465303	38HDR048−52	CNPV*6024A**	58CV(A,X)135−22	47,000	11.5	13.5
3465304	38HDR048−52	CNPV*6024A**	58CV(A,X)155−22	47,000	11.5	14.0
4129794	38HDR048−52	CNPV*6024A**	58HDV080−−20	47,000	12.0	14.5
4114135	38HDR048−52	CNPV*6024A**	58HDV100−−20	47,000	12.0	14.5
3465306	38HDR048−52	CNPV*6024A**	58ME(B,C)120−20	47,000	12.0	14.5
3465302	38HDR048−52	CNPV*6024A**	58MV(B,C)120−20	47,000	11.5	13.5
3465305	38HDR048−52	CNPV*6024A**	58PH*135−20	47,000	12.0	14.5
3757013	38HDR048−52	CNPV*6024A**	58UVB120−20	47,000	11.5	13.5
4816773	38HDR048−52	CNPV*6024A**	59*N*A100V21**20	46,500	12.0	14.5
4816774	38HDR048−52	CNPV*6024A**	59*N*A120V24**22	46,500	12.5	15.0
4816775	38HDR048−52	CNPV*6024A**	59*P5A100E21**16	46,500	12.0	14.5
4816776	38HDR048−52	CNPV*6024A**	59*P5A120E24**22	47,000	12.0	14.5
3465301	38HDR048−52	CNPV*6024A**+TDR		47,500	11.0	13.0
4085135	38HDR048−52	CNPV*6124A**	58CV(A,X)135−22	47,500	12.5	15.0
4085137	38HDR048−52	CNPV*6124A**	58CV(A,X)155−22	47,500	12.5	15.0
4129795	38HDR048−52	CNPV*6124A**	58HDV080−−20	47,500	12.0	14.5
4129796	38HDR048−52	CNPV*6124A**	58HDV100−−20	47,500	12.0	14.5
4085139	38HDR048−52	CNPV*6124A**	58HDV100−−20 (DWNFLW ONLY)	47,500	12.0	14.5
4085141	38HDR048−52	CNPV*6124A**	58ME(B,C)120−20	47,500	12.5	15.0
4085144	38HDR048−52	CNPV*6124A**	58MV(B,C)120−20	47,500	12.0	14.5
4085146	38HDR048−52	CNPV*6124A**	58PH*135−20	47,500	12.5	15.0
4085148	38HDR048−52	CNPV*6124A**	58UVB120−20	47,500	12.0	14.5
4816777	38HDR048−52	CNPV*6124A**	59*N*A100V21**20	47,000	12.0	14.5
4816778	38HDR048−52	CNPV*6124A**	59*N*A120V24**22	47,000	12.5	15.2
4816779	38HDR048−52	CNPV*6124A**	59*P5A100E21**16	47,500	12.0	14.5
4816780	38HDR048−52	CNPV*6124A**	59*P5A120E24**22	47,500	12.5	15.0
4085151	38HDR048−52	CNPV*6124A**+TDR		47,500	11.0	13.0
3465340	38HDR048−52	CSPH*4812A**	58CV(A,X)090−16	46,500	11.5	13.5
3465341	38HDR048−52	CSPH*4812A**	58CV(A,X)110−20	46,500	11.5	13.5
3465342	38HDR048−52	CSPH*4812A**	58CV(A,X)135−22	46,500	11.5	13.5
3465343	38HDR048−52	CSPH*4812A**	58CV(A,X)155−22	46,500	11.5	13.5
4114152	38HDR048−52	CSPH*4812A**	58HDV080−−20	47,000	11.5	14.0
4114153	38HDR048−52	CSPH*4812A**	58HDV100−−20	46,500	12.0	14.5
3465347	38HDR048−52	CSPH*4812A**	58ME(B,C)080−16	46,500	11.5	14.0
3465348	38HDR048−52	CSPH*4812A**	58ME(B,C)100−20	46,500	11.5	14.0
3465349	38HDR048−52	CSPH*4812A**	58ME(B,C)120−20	46,500	11.5	14.0
3465337	38HDR048−52	CSPH*4812A**	58MV(B,C)080−20	46,500	11.5	13.5
3465338	38HDR048−52	CSPH*4812A**	58MV(B,C)100−20	46,500	11.5	13.5
3465339	38HDR048−52	CSPH*4812A**	58MV(B,C)120−20	46,500	11.5	13.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3465344	38HDR048−52	CSPH*4812A**	58PH*090−16	46,500	11.5	14.0
3465345	38HDR048−52	CSPH*4812A**	58PH*110−20	46,500	11.5	14.0
3465346	38HDR048−52	CSPH*4812A**	58PH*135−20	46,500	11.5	14.0
4114155	38HDR048−52	CSPH*4812A**	58VLR120−20	46,500	12.0	14.5
4114154	38HDR048−52	CSPH*4812A**	58VMR120−20	46,500	12.0	14.5
4816795	38HDR048−52	CSPH*4812A**	59*N*A100V21**20	46,000	11.8	14.2
4816796	38HDR048−52	CSPH*4812A**	59*N*A120V24**22	46,000	12.0	14.5
4816797	38HDR048−52	CSPH*4812A**	59*P5A100E21**16	46,000	11.8	14.2
4816798	38HDR048−52	CSPH*4812A**	59*P5A120E24**22	46,500	12.0	14.5
4114156	38HDR048−52	CSPH*4812A**	OVLAAB048112	46,500	11.5	13.5
4114157	38HDR048−52	CSPH*4812A**	OVLAAB060154	46,500	11.5	14.0
3465336	38HDR048−52	CSPH*4812A**+TDR		47,000	11.0	13.0
3465354	38HDR048−52	CSPH*6012A**	58CV(A,X)090−16	47,000	11.5	13.5
3465355	38HDR048−52	CSPH*6012A**	58CV(A,X)110−20	47,000	11.5	14.0
3465356	38HDR048−52	CSPH*6012A**	58CV(A,X)135−22	47,000	11.5	14.0
3465357	38HDR048−52	CSPH*6012A**	58CV(A,X)155−22	47,000	11.5	14.0
4085131	38HDR048−52	CSPH*6012A**	58HDV080−−20	47,500	11.5	14.0
4085133	38HDR048−52	CSPH*6012A**	58HDV100−−20	47,500	11.5	14.0
3465361	38HDR048−52	CSPH*6012A**	58ME(B,C)080−16	47,000	12.0	14.5
3465362	38HDR048−52	CSPH*6012A**	58ME(B,C)100−20	47,000	12.0	14.5
3465363	38HDR048−52	CSPH*6012A**	58ME(B,C)120−20	47,000	12.0	14.5
3465351	38HDR048−52	CSPH*6012A**	58MV(B,C)080−20	47,000	11.5	13.5
3465352	38HDR048−52	CSPH*6012A**	58MV(B,C)100−20	47,000	11.5	13.5
3465353	38HDR048−52	CSPH*6012A**	58MV(B,C)120−20	47,000	11.5	13.5
3465358	38HDR048−52	CSPH*6012A**	58PH*090−16	47,000	12.0	14.5
3465359	38HDR048−52	CSPH*6012A**	58PH*110−20	47,000	12.0	14.5
3465360	38HDR048−52	CSPH*6012A**	58PH*135−20	47,000	12.0	14.5
4114159	38HDR048−52	CSPH*6012A**	58VLR120−20	47,000	12.0	14.5
4114158	38HDR048−52	CSPH*6012A**	58VMR120−20	47,000	12.0	14.5
4816799	38HDR048−52	CSPH*6012A**	59*N*A100V21**20	46,500	12.0	14.5
4816800	38HDR048−52	CSPH*6012A**	59*N*A120V24**22	47,000	12.5	15.0
4816801	38HDR048−52	CSPH*6012A**	59*P5A080E17**16	47,000	11.8	14.2
4816802	38HDR048−52	CSPH*6012A**	59*P5A100E21**16	47,000	12.0	14.5
4816803	38HDR048−52	CSPH*6012A**	59*P5A120E24**22	47,500	12.5	15.0
4114160	38HDR048−52	CSPH*6012A**	OVLAAB048112	47,000	11.5	14.0
4114161	38HDR048−52	CSPH*6012A**	OVLAAB060154	47,000	12.0	14.5
3465350	38HDR048−52	CSPH*6012A**+TDR		47,500	11.0	13.0
4085015	38HDR048−52	FB4CNF048+TXV		47,000	11.5	14.0
4085016	38HDR048−52	FB4CNF060		47,500	12.0	14.5
3465368	38HDR048−52	FE4AN(B,F)005+UI		47,000	11.5	13.5
3465369	38HDR048−52	FE4ANB006+UI		47,500	11.5	14.0
3919864	38HDR048−52	FV4CN(B,F)005		47,000	11.5	14.0
3919865	38HDR048−52	FV4CNB006		47,500	11.5	14.0
3752250	38HDR048−52	FX4DN(B,F)049		47,500	12.0	14.5
3752251	38HDR048−52	FX4DN(B,F)061		48,000	12.5	15.0
4085018	38HDR048−52	FY5BNB060		47,500	11.5	13.5
4085017	38HDR048−52	FY5BNF048+TXV		47,000	12.0	14.5
3465372	38HDR048−62	†CNPV*4821A**+TDR		47,000	11.0	13.0
3465374	38HDR048−62	CAP**4817A**	58CV(A,X)090−16	46,500	11.5	13.5
3465376	38HDR048−62	CAP**4817A**	58ME(B,C)080−16	46,500	11.5	14.0
3465375	38HDR048−62	CAP**4817A**	58PH*070−16	46,500	11.5	13.5
3465373	38HDR048−62	CAP**4817A**+TDR		46,500	11.0	13.0
3465380	38HDR048−62	CAP**4821A**	58CV(A,X)110−20	46,500	11.5	13.5
3465383	38HDR048−62	CAP**4821A**	58ME(B,C)100−20	46,500	11.5	14.0
3465378	38HDR048−62	CAP**4821A**	58MV(B,C)080−20	46,000	11.5	13.5
3465379	38HDR048−62	CAP**4821A**	58MV(B,C)100−20	46,500	11.5	13.5
3465381	38HDR048−62	CAP**4821A**	58PH*090−16	46,500	11.5	14.0
3465382	38HDR048−62	CAP**4821A**	58PH*110−20	46,500	11.5	14.0
3673365	38HDR048−62	CAP**4821A**	58UVB080−20	46,000	11.5	13.5
3673367	38HDR048−62	CAP**4821A**	58UVB100−20	46,500	11.5	13.5
4114249	38HDR048−62	CAP**4821A**	58VLR120−20	46,500	12.0	14.5
4114248	38HDR048−62	CAP**4821A**	58VMR120−20	46,500	11.5	14.0
4816804	38HDR048−62	CAP**4821A**	59*N*A100V21**20	45,500	11.8	14.2
4816805	38HDR048−62	CAP**4821A**	59*P5A100E21**16	45,500	11.8	14.2
4114250	38HDR048−62	CAP**4821A**	OVLAAB048112	46,500	11.5	13.5
3465377	38HDR048−62	CAP**4821A**+TDR		47,000	11.0	13.0
4085242	38HDR048−62	CAP**4823A**	58HDV080−−20	46,500	11.5	14.0
4816816	38HDR048−62	CAP**4823A**	59*N*A100V21**20	45,500	11.8	14.2
4816817	38HDR048−62	CAP**4823A**	59*N*A120V24**22	45,500	12.0	14.5
4816818	38HDR048−62	CAP**4823A**	59*P5A100E21**16	45,500	11.8	14.2
4816819	38HDR048−62	CAP**4823A**	59*P5A120E24**22	46,000	12.0	14.5
4085243	38HDR048−62	CAP**4823A**+TDR		46,500	11.0	13.0

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3465386	38HDR048−62	CAP**4824A**	58CV(A,X)135−22	46,500	11.5	13.5
3465387	38HDR048−62	CAP**4824A**	58CV(A,X)155−22	46,500	11.5	13.5
4114251	38HDR048−62	CAP**4824A**	58HDV100−−20	46,500	11.5	14.0
3465389	38HDR048−62	CAP**4824A**	58ME(B,C)120−20	46,500	11.5	14.0
3465385	38HDR048−62	CAP**4824A**	58MV(B,C)120−20	46,500	11.5	13.5
3465388	38HDR048−62	CAP**4824A**	58PH*135−20	46,500	11.5	14.0
3673368	38HDR048−62	CAP**4824A**	58UVB120−20	46,500	11.5	13.5
4816806	38HDR048−62	CAP**4824A**	59*N*A100V21**20	45,500	11.8	14.2
4816807	38HDR048−62	CAP**4824A**	59*N*A120V24**22	45,500	12.0	14.5
4816808	38HDR048−62	CAP**4824A**	59*P5A100E21**16	46,000	11.8	14.2
4816809	38HDR048−62	CAP**4824A**	59*P5A120E24**22	46,000	12.0	14.5
3465384	38HDR048−62	CAP**4824A**+TDR		47,000	11.0	13.0
3465393	38HDR048−62	CAP**6021A**	58CV(A,X)110−20	47,000	11.5	13.5
3465396	38HDR048−62	CAP**6021A**	58ME(B,C)100−20	47,000	12.0	14.5
3465391	38HDR048−62	CAP**6021A**	58MV(B,C)080−20	47,000	11.5	13.5
3465392	38HDR048−62	CAP**6021A**	58MV(B,C)100−20	47,000	11.5	13.5
3465394	38HDR048−62	CAP**6021A**	58PH*090−16	47,000	12.0	14.5
3465395	38HDR048−62	CAP**6021A**	58PH*110−20	47,000	12.0	14.5
3673369	38HDR048−62	CAP**6021A**	58UVB080−20	47,000	11.5	13.5
3673370	38HDR048−62	CAP**6021A**	58UVB100−20	47,000	11.5	13.5
4114253	38HDR048−62	CAP**6021A**	58VLR120−20	47,000	12.0	14.5
4114252	38HDR048−62	CAP**6021A**	58VMR120−20	47,000	12.0	14.5
4816810	38HDR048−62	CAP**6021A**	59*N*A100V21**20	46,500	12.0	14.5
4816811	38HDR048−62	CAP**6021A**	59*P5A100E21**16	46,500	11.8	14.2
4114254	38HDR048−62	CAP**6021A**	OVLAAB048112	47,000	11.5	14.0
3465390	38HDR048−62	CAP**6021A**+TDR		47,500	11.0	13.0
3465399	38HDR048−62	CAP**6024A**	58CV(A,X)135−22	47,000	11.5	13.5
3465400	38HDR048−62	CAP**6024A**	58CV(A,X)155−22	47,000	11.5	14.0
4114255	38HDR048−62	CAP**6024A**	58HDV100−−20	47,000	12.0	14.5
3465402	38HDR048−62	CAP**6024A**	58ME(B,C)120−20	47,000	12.0	14.5
3465398	38HDR048−62	CAP**6024A**	58MV(B,C)120−20	47,000	11.5	13.5
3465401	38HDR048−62	CAP**6024A**	58PH*135−20	47,000	12.0	14.5
3673366	38HDR048−62	CAP**6024A**	58UVB120−20	47,000	11.5	13.5
4816812	38HDR048−62	CAP**6024A**	59*N*A100V21**20	46,500	12.0	14.5
4816813	38HDR048−62	CAP**6024A**	59*N*A120V24**22	46,500	12.5	15.0
4816814	38HDR048−62	CAP**6024A**	59*P5A100E21**16	46,500	12.0	14.5
4816815	38HDR048−62	CAP**6024A**	59*P5A120E24**22	47,000	12.0	14.5
3465397	38HDR048−62	CAP**6024A**+TDR		47,500	11.0	13.0
4816820	38HDR048−62	CAP**6025A**	59*N*A100V21**20	46,500	12.0	14.5
4816821	38HDR048−62	CAP**6025A**	59*N*A120V24**22	46,500	12.5	15.0
4816822	38HDR048−62	CAP**6025A**	59*P5A100E21**16	46,500	12.0	14.5
4816823	38HDR048−62	CAP**6025A**	59*P5A120E24**22	47,000	12.0	14.5
3465425	38HDR048−62	CNPH*4821A**	58CV(A,X)090−16	46,500	11.5	13.5
3465426	38HDR048−62	CNPH*4821A**	58CV(A,X)110−20	46,500	11.5	13.5
3465427	38HDR048−62	CNPH*4821A**	58CV(A,X)135−22	46,500	11.5	13.5
3465428	38HDR048−62	CNPH*4821A**	58CV(A,X)155−22	46,500	11.5	13.5
4114261	38HDR048−62	CNPH*4821A**	58HDV080−−20	47,000	11.5	14.0
4114262	38HDR048−62	CNPH*4821A**	58HDV100−−20	46,500	11.5	14.0
3465432	38HDR048−62	CNPH*4821A**	58ME(B,C)080−16	46,500	11.5	14.0
3465433	38HDR048−62	CNPH*4821A**	58ME(B,C)100−20	46,500	11.5	14.0
3465434	38HDR048−62	CNPH*4821A**	58ME(B,C)120−20	46,500	11.5	14.0
3465422	38HDR048−62	CNPH*4821A**	58MV(B,C)080−20	46,500	11.5	13.5
3465423	38HDR048−62	CNPH*4821A**	58MV(B,C)100−20	46,500	11.5	13.5
3465424	38HDR048−62	CNPH*4821A**	58MV(B,C)120−20	46,500	11.5	13.5
3465429	38HDR048−62	CNPH*4821A**	58PH*090−16	46,500	11.5	13.5
3465430	38HDR048−62	CNPH*4821A**	58PH*110−20	46,500	11.5	13.5
3465431	38HDR048−62	CNPH*4821A**	58PH*135−20	46,500	11.5	13.5
4114264	38HDR048−62	CNPH*4821A**	58VLR120−20	46,500	12.0	14.5
4114263	38HDR048−62	CNPH*4821A**	58VMR120−20	46,500	12.0	14.5
4816839	38HDR048−62	CNPH*4821A**	59*N*A100V21**20	46,000	12.0	14.5
4816840	38HDR048−62	CNPH*4821A**	59*N*A120V24**22	46,000	12.0	14.5
4816841	38HDR048−62	CNPH*4821A**	59*P5A080E17**16	46,000	11.5	14.0
4816842	38HDR048−62	CNPH*4821A**	59*P5A100E21**16	46,000	11.8	14.2
4816843	38HDR048−62	CNPH*4821A**	59*P5A120E24**22	46,500	12.0	14.5
4114265	38HDR048−62	CNPH*4821A**	OVLAAB048112	46,500	11.5	13.5
4114266	38HDR048−62	CNPH*4821A**	OVLAAB060154	46,500	11.5	14.0
3465421	38HDR048−62	CNPH*4821A**+TDR		47,000	11.0	13.0
3465439	38HDR048−62	CNPH*6024A**	58CV(A,X)090−16	47,000	11.5	13.5
3465440	38HDR048−62	CNPH*6024A**	58CV(A,X)110−20	47,000	11.5	13.5
3465441	38HDR048−62	CNPH*6024A**	58CV(A,X)135−22	47,000	11.5	13.5
3465442	38HDR048−62	CNPH*6024A**	58CV(A,X)155−22	47,000	11.5	14.0
4114267	38HDR048−62	CNPH*6024A**	58HDV080−−20	47,000	12.0	14.5
4114268	38HDR048−62	CNPH*6024A**	58HDV100−−20	47,000	12.0	14.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3465446	38HDR048−62	CNPH*6024A**	58ME(B,C)080−16	47,000	11.5	14.0
3465447	38HDR048−62	CNPH*6024A**	58ME(B,C)100−20	47,000	12.0	14.5
3465448	38HDR048−62	CNPH*6024A**	58ME(B,C)120−20	47,000	12.0	14.5
3465436	38HDR048−62	CNPH*6024A**	58MV(B,C)080−20	47,000	11.5	13.5
3465437	38HDR048−62	CNPH*6024A**	58MV(B,C)100−20	47,000	11.5	13.5
3465438	38HDR048−62	CNPH*6024A**	58MV(B,C)120−20	47,000	11.5	13.5
3465443	38HDR048−62	CNPH*6024A**	58PH*090−16	47,000	12.0	14.5
3465444	38HDR048−62	CNPH*6024A**	58PH*110−20	47,000	12.0	14.5
3465445	38HDR048−62	CNPH*6024A**	58PH*135−20	47,000	12.0	14.5
4114270	38HDR048−62	CNPH*6024A**	58VLR120−20	47,000	12.0	14.5
4114269	38HDR048−62	CNPH*6024A**	58VMR120−20	47,000	12.0	14.5
4816844	38HDR048−62	CNPH*6024A**	59*N*A100V21**20	46,500	12.0	14.5
4816845	38HDR048−62	CNPH*6024A**	59*N*A120V24**22	46,500	12.5	15.0
4816846	38HDR048−62	CNPH*6024A**	59*P5A080E17**16	46,500	11.8	14.2
4816847	38HDR048−62	CNPH*6024A**	59*P5A100E21**16	46,500	12.0	14.5
4816848	38HDR048−62	CNPH*6024A**	59*P5A120E24**22	47,000	12.0	14.5
4114271	38HDR048−62	CNPH*6024A**	OVLAAB048112	47,000	11.5	14.0
4114272	38HDR048−62	CNPH*6024A**	OVLAAB060154	47,000	12.0	14.5
3465435	38HDR048−62	CNPH*6024A**+TDR		47,500	11.0	13.0
4085215	38HDR048−62	CNPH*6124A**	58CV(A,X)090−16	47,000	12.0	14.5
4085217	38HDR048−62	CNPH*6124A**	58CV(A,X)110−20	47,000	12.0	14.5
4085220	38HDR048−62	CNPH*6124A**	58CV(A,X)135−22	47,000	12.0	14.5
4085222	38HDR048−62	CNPH*6124A**	58CV(A,X)155−22	47,000	12.0	14.5
4085224	38HDR048−62	CNPH*6124A**	58HDV080−−20	47,000	11.5	14.0
4085227	38HDR048−62	CNPH*6124A**	58HDV100−−20	47,000	11.5	14.0
4085228	38HDR048−62	CNPH*6124A**	58ME(B,C)080−16	47,000	12.0	14.5
4085230	38HDR048−62	CNPH*6124A**	58ME(B,C)100−20	47,000	12.0	14.5
4085232	38HDR048−62	CNPH*6124A**	58ME(B,C)120−20	47,000	12.5	15.0
4085234	38HDR048−62	CNPH*6124A**	58MV(B,C)080−20	47,000	11.5	14.0
4085235	38HDR048−62	CNPH*6124A**	58MV(B,C)100−20	47,000	11.5	14.0
4085236	38HDR048−62	CNPH*6124A**	58MV(B,C)120−20	47,000	12.0	14.5
4085237	38HDR048−62	CNPH*6124A**	58PH*070−16	47,000	11.0	13.5
4085238	38HDR048−62	CNPH*6124A**	58PH*090−16	47,000	12.0	14.5
4085239	38HDR048−62	CNPH*6124A**	58PH*110−20	47,000	12.0	14.5
4085240	38HDR048−62	CNPH*6124A**	58PH*135−20	47,000	12.0	14.5
4114274	38HDR048−62	CNPH*6124A**	58VLR120−20	47,500	12.0	14.5
4114273	38HDR048−62	CNPH*6124A**	58VMR120−20	47,500	12.0	14.5
4816849	38HDR048−62	CNPH*6124A**	59*N*A100V21**20	46,500	12.0	14.5
4816850	38HDR048−62	CNPH*6124A**	59*N*A120V24**22	46,500	12.5	15.0
4816851	38HDR048−62	CNPH*6124A**	59*P5A100E21**16	47,000	12.0	14.5
4816852	38HDR048−62	CNPH*6124A**	59*P5A120E24**22	47,000	12.0	14.5
4114275	38HDR048−62	CNPH*6124A**	OVLAAB048112	47,500	11.5	14.0
4114276	38HDR048−62	CNPH*6124A**	OVLAAB060154	47,500	12.0	14.5
4085241	38HDR048−62	CNPH*6124A**+TDR		47,500	11.0	13.0
3465405	38HDR048−62	CNPV*4821A**	58CV(A,X)110−20	46,500	11.5	13.5
4129811	38HDR048−62	CNPV*4821A**	58HDV080−−20	46,500	11.5	14.0
3465408	38HDR048−62	CNPV*4821A**	58ME(B,C)100−20	46,500	11.5	13.5
3465403	38HDR048−62	CNPV*4821A**	58MV(B,C)080−20	46,500	11.5	13.5
3465404	38HDR048−62	CNPV*4821A**	58MV(B,C)100−20	46,500	11.5	13.5
3465406	38HDR048−62	CNPV*4821A**	58PH*090−16	46,500	11.5	14.0
3465407	38HDR048−62	CNPV*4821A**	58PH*110−20	46,500	11.5	14.0
3757014	38HDR048−62	CNPV*4821A**	58UVB080−20	46,500	11.5	13.5
3757015	38HDR048−62	CNPV*4821A**	58UVB100−20	46,500	11.5	13.5
4114257	38HDR048−62	CNPV*4821A**	58VLR120−20	46,500	12.0	14.5
4114256	38HDR048−62	CNPV*4821A**	58VMR120−20	46,500	12.0	14.5
4816824	38HDR048−62	CNPV*4821A**	59*N*A100V21**20	46,000	12.0	14.5
4816825	38HDR048−62	CNPV*4821A**	59*P5A080E17**16	46,000	11.5	14.0
4816826	38HDR048−62	CNPV*4821A**	59*P5A100E21**16	46,000	11.8	14.2
4114258	38HDR048−62	CNPV*4821A**	OVLAAB048112	46,500	11.5	13.5
3465411	38HDR048−62	CNPV*4824A**	58CV(A,X)135−22	46,500	11.5	13.5
3465412	38HDR048−62	CNPV*4824A**	58CV(A,X)155−22	46,500	11.5	13.5
4129812	38HDR048−62	CNPV*4824A**	58HDV080−−20	46,500	11.5	14.0
4114259	38HDR048−62	CNPV*4824A**	58HDV100−−20	46,500	11.5	14.0
3465414	38HDR048−62	CNPV*4824A**	58ME(B,C)120−20	46,500	11.5	14.0
3465410	38HDR048−62	CNPV*4824A**	58MV(B,C)120−20	46,500	11.5	13.5
3465413	38HDR048−62	CNPV*4824A**	58PH*135−20	46,500	11.5	14.0
3757016	38HDR048−62	CNPV*4824A**	58UVB120−20	46,500	11.5	13.5
4816827	38HDR048−62	CNPV*4824A**	59*N*A100V21**20	46,000	12.0	14.5
4816828	38HDR048−62	CNPV*4824A**	59*N*A120V24**22	46,000	12.0	14.5
4816829	38HDR048−62	CNPV*4824A**	59*P5A100E21**16	46,000	11.8	14.2
4816830	38HDR048−62	CNPV*4824A**	59*P5A120E24**22	46,500	12.0	14.5
3465409	38HDR048−62	CNPV*4824A**+TDR		47,000	11.0	13.0
3465417	38HDR048−62	CNPV*6024A**	58CV(A,X)135−22	47,000	11.5	13.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3465418	38HDR048−62	CNPV*6024A**	58CV(A,X)155−22	47,000	11.5	14.0
4129813	38HDR048−62	CNPV*6024A**	58HDV080−−20	47,000	12.0	14.5
4114260	38HDR048−62	CNPV*6024A**	58HDV100−−20	47,000	12.0	14.5
3465420	38HDR048−62	CNPV*6024A**	58ME(B,C)120−20	47,000	12.0	14.5
3465416	38HDR048−62	CNPV*6024A**	58MV(B,C)120−20	47,000	11.5	13.5
3465419	38HDR048−62	CNPV*6024A**	58PH*135−20	47,000	12.0	14.5
3757017	38HDR048−62	CNPV*6024A**	58UVB120−20	47,000	11.5	13.5
4816831	38HDR048−62	CNPV*6024A**	59*N*A100V21**20	46,500	12.0	14.5
4816832	38HDR048−62	CNPV*6024A**	59*N*A120V24**22	46,500	12.5	15.0
4816833	38HDR048−62	CNPV*6024A**	59*P5A100E21**16	46,500	12.0	14.5
4816834	38HDR048−62	CNPV*6024A**	59*P5A120E24**22	47,000	12.0	14.5
3465415	38HDR048−62	CNPV*6024A**+TDR		47,500	11.0	13.0
4085197	38HDR048−62	CNPV*6124A**	58CV(A,X)135−22	47,500	12.5	15.0
4085199	38HDR048−62	CNPV*6124A**	58CV(A,X)155−22	47,500	12.5	15.0
4129814	38HDR048−62	CNPV*6124A**	58HDV080−−20	47,500	12.0	14.5
4129815	38HDR048−62	CNPV*6124A**	58HDV100−−20	47,500	12.0	14.5
4085201	38HDR048−62	CNPV*6124A**	58HDV100−−20 (DWNFLW ONLY)	47,500	12.0	14.5
4085203	38HDR048−62	CNPV*6124A**	58ME(B,C)120−20	47,500	12.5	15.0
4085206	38HDR048−62	CNPV*6124A**	58MV(B,C)120−20	47,500	12.0	14.5
4085208	38HDR048−62	CNPV*6124A**	58PH*135−20	47,500	12.5	15.0
4085210	38HDR048−62	CNPV*6124A**	58UVB120−20	47,500	12.0	14.5
4816835	38HDR048−62	CNPV*6124A**	59*N*A100V21**20	47,000	12.0	14.5
4816836	38HDR048−62	CNPV*6124A**	59*N*A120V24**22	47,000	12.5	15.2
4816837	38HDR048−62	CNPV*6124A**	59*P5A100E21**16	47,500	12.0	14.5
4816838	38HDR048−62	CNPV*6124A**	59*P5A120E24**22	47,500	12.5	15.0
4085214	38HDR048−62	CNPV*6124A**+TDR		47,500	11.0	13.0
3465454	38HDR048−62	CSPH*4812A**	58CV(A,X)090−16	46,500	11.5	13.5
3465455	38HDR048−62	CSPH*4812A**	58CV(A,X)110−20	46,500	11.5	13.5
3465456	38HDR048−62	CSPH*4812A**	58CV(A,X)135−22	46,500	11.5	13.5
3465457	38HDR048−62	CSPH*4812A**	58CV(A,X)155−22	46,500	11.5	13.5
4114277	38HDR048−62	CSPH*4812A**	58HDV080−−20	47,000	11.5	14.0
4114278	38HDR048−62	CSPH*4812A**	58HDV100−−20	46,500	12.0	14.5
3465461	38HDR048−62	CSPH*4812A**	58ME(B,C)080−16	46,500	11.5	14.0
3465462	38HDR048−62	CSPH*4812A**	58ME(B,C)100−20	46,500	11.5	14.0
3465463	38HDR048−62	CSPH*4812A**	58ME(B,C)120−20	46,500	11.5	14.0
3465451	38HDR048−62	CSPH*4812A**	58MV(B,C)080−20	46,500	11.5	13.5
3465452	38HDR048−62	CSPH*4812A**	58MV(B,C)100−20	46,500	11.5	13.5
3465453	38HDR048−62	CSPH*4812A**	58MV(B,C)120−20	46,500	11.5	13.5
3465458	38HDR048−62	CSPH*4812A**	58PH*090−16	46,500	11.5	14.0
3465459	38HDR048−62	CSPH*4812A**	58PH*110−20	46,500	11.5	14.0
3465460	38HDR048−62	CSPH*4812A**	58PH*135−20	46,500	11.5	14.0
4114280	38HDR048−62	CSPH*4812A**	58VLR120−20	46,500	12.0	14.5
4114279	38HDR048−62	CSPH*4812A**	58VMR120−20	46,500	12.0	14.5
4816853	38HDR048−62	CSPH*4812A**	59*N*A100V21**20	46,000	11.8	14.2
4816854	38HDR048−62	CSPH*4812A**	59*N*A120V24**22	46,000	12.0	14.5
4816855	38HDR048−62	CSPH*4812A**	59*P5A100E21**16	46,000	11.8	14.2
4816856	38HDR048−62	CSPH*4812A**	59*P5A120E24**22	46,500	12.0	14.5
4114281	38HDR048−62	CSPH*4812A**	OVLAAB048112	46,500	11.5	13.5
4114282	38HDR048−62	CSPH*4812A**	OVLAAB060154	46,500	11.5	14.0
3465450	38HDR048−62	CSPH*4812A**+TDR		47,000	11.0	13.0
3465468	38HDR048−62	CSPH*6012A**	58CV(A,X)090−16	47,000	11.5	13.5
3465469	38HDR048−62	CSPH*6012A**	58CV(A,X)110−20	47,000	11.5	14.0
3465470	38HDR048−62	CSPH*6012A**	58CV(A,X)135−22	47,000	11.5	14.0
3465471	38HDR048−62	CSPH*6012A**	58CV(A,X)155−22	47,000	11.5	14.0
4085194	38HDR048−62	CSPH*6012A**	58HDV080−−20	47,500	11.5	14.0
4085196	38HDR048−62	CSPH*6012A**	58HDV100−−20	47,500	11.5	14.0
3465475	38HDR048−62	CSPH*6012A**	58ME(B,C)080−16	47,000	12.0	14.5
3465476	38HDR048−62	CSPH*6012A**	58ME(B,C)100−20	47,000	12.0	14.5
3465477	38HDR048−62	CSPH*6012A**	58ME(B,C)120−20	47,000	12.0	14.5
3465465	38HDR048−62	CSPH*6012A**	58MV(B,C)080−20	47,000	11.5	13.5
3465466	38HDR048−62	CSPH*6012A**	58MV(B,C)100−20	47,000	11.5	13.5
3465467	38HDR048−62	CSPH*6012A**	58MV(B,C)120−20	47,000	11.5	13.5
3465472	38HDR048−62	CSPH*6012A**	58PH*090−16	47,000	12.0	14.5
3465473	38HDR048−62	CSPH*6012A**	58PH*110−20	47,000	12.0	14.5
3465474	38HDR048−62	CSPH*6012A**	58PH*135−20	47,000	12.0	14.5
4114284	38HDR048−62	CSPH*6012A**	58VLR120−20	47,000	12.0	14.5
4114283	38HDR048−62	CSPH*6012A**	58VMR120−20	47,000	12.0	14.5
4816857	38HDR048−62	CSPH*6012A**	59*N*A100V21**20	46,500	12.0	14.5
4816858	38HDR048−62	CSPH*6012A**	59*N*A120V24**22	47,000	12.5	15.0
4816859	38HDR048−62	CSPH*6012A**	59*P5A080E17**16	47,000	11.8	14.2
4816860	38HDR048−62	CSPH*6012A**	59*P5A100E21**16	47,000	12.0	14.5
4816861	38HDR048−62	CSPH*6012A**	59*P5A120E24**22	47,500	12.5	15.0

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4114285	38HDR048−62	CSPH*6012A**	OVLAAB048112	47,000	11.5	14.0
4114286	38HDR048−62	CSPH*6012A**	OVLAAB060154	47,000	12.0	14.5
3465464	38HDR048−62	CSPH*6012A**+TDR		47,500	11.0	13.0
4085019	38HDR048−62	FB4CNF048+TXV		47,000	11.5	14.0
4085020	38HDR048−62	FB4CNF060		47,500	12.0	14.5
3465482	38HDR048−62	FE4AN(B,F)005+UI		47,000	11.5	13.5
3465483	38HDR048−62	FE4ANB006+UI		47,500	11.5	14.0
3919866	38HDR048−62	FV4CN(B,F)005		47,000	11.5	14.0
3919867	38HDR048−62	FV4CNB006		47,500	11.5	14.0
3752253	38HDR048−62	FX4DN(B,F)049		47,500	12.0	14.5
3752254	38HDR048−62	FX4DN(B,F)061		48,000	12.5	15.0
4085022	38HDR048−62	FY5BNB060		47,500	11.5	13.5
4085021	38HDR048−62	FY5BNF048+TXV		47,000	12.0	14.5
3465024	38HDR060−32	†CNPV*6024A**+TDR		57,000	11.0	13.0
3465026	38HDR060−32	CAP**6021A**	58CV(A,X)110−20	56,000	11.0	13.2
3465029	38HDR060−32	CAP**6021A**	58ME(B,C)100−20	56,000	11.0	13.5
3465027	38HDR060−32	CAP**6021A**	58PH*090−16	56,000	11.0	13.2
3465028	38HDR060−32	CAP**6021A**	58PH*110−20	56,000	11.0	13.5
4114037	38HDR060−32	CAP**6021A**	58VLR120−20	57,000	11.0	13.0
3465025	38HDR060−32	CAP**6021A**+TDR		57,000	11.0	13.0
3465031	38HDR060−32	CAP**6024A**	58CV(A,X)135−22	56,000	11.0	13.5
3465032	38HDR060−32	CAP**6024A**	58CV(A,X)155−22	56,000	11.0	13.5
3465034	38HDR060−32	CAP**6024A**	58ME(B,C)120−20	56,000	11.0	13.5
3465033	38HDR060−32	CAP**6024A**	58PH*135−20	56,000	11.0	13.5
4744350	38HDR060−32	CAP**6024A**	59*N*A120V24**22	57,500	11.0	13.3
4744351	38HDR060−32	CAP**6024A**	59*P5A120E24**22	57,500	11.0	13.3
3465030	38HDR060−32	CAP**6024A**+TDR		57,000	11.0	13.0
4744352	38HDR060−32	CAP**6025A**	59*N*A120V24**22	57,500	11.0	13.3
4744353	38HDR060−32	CAP**6025A**	59*P5A120E24**22	57,500	11.0	13.3
3667259	38HDR060−32	CAP**6025A**+TDR		57,000	11.0	13.0
3465040	38HDR060−32	CNPH*6024A**	58CV(A,X)110−20	56,000	11.0	13.2
3465041	38HDR060−32	CNPH*6024A**	58CV(A,X)135−22	56,000	11.0	13.5
3465042	38HDR060−32	CNPH*6024A**	58CV(A,X)155−22	56,000	11.0	13.5
3465046	38HDR060−32	CNPH*6024A**	58ME(B,C)080−16	56,000	11.0	13.2
3465047	38HDR060−32	CNPH*6024A**	58ME(B,C)100−20	56,000	11.0	13.5
3465048	38HDR060−32	CNPH*6024A**	58ME(B,C)120−20	56,000	11.0	13.5
3465043	38HDR060−32	CNPH*6024A**	58PH*090−16	56,000	11.0	13.2
3465044	38HDR060−32	CNPH*6024A**	58PH*110−20	56,000	11.0	13.5
3465045	38HDR060−32	CNPH*6024A**	58PH*135−20	56,000	11.0	13.5
4114038	38HDR060−32	CNPH*6024A**	58VLR120−20	57,000	11.0	13.0
4744358	38HDR060−32	CNPH*6024A**	59*N*A120V24**22	57,500	11.0	13.3
4744359	38HDR060−32	CNPH*6024A**	59*P5A120E24**22	57,500	11.0	13.3
3465039	38HDR060−32	CNPH*6024A**+TDR		57,000	11.0	13.0
3667269	38HDR060−32	CNPH*6124A**	58CV(A,X)110−20	57,500	11.0	13.0
3667270	38HDR060−32	CNPH*6124A**	58CV(A,X)135−22	57,500	11.0	13.5
3667271	38HDR060−32	CNPH*6124A**	58CV(A,X)155−22	57,500	11.0	13.5
3716354	38HDR060−32	CNPH*6124A**	58ME(B,C)080−16	57,500	11.0	13.0
3716355	38HDR060−32	CNPH*6124A**	58ME(B,C)100−20	57,500	11.0	13.5
3716356	38HDR060−32	CNPH*6124A**	58ME(B,C)120−20	57,500	11.0	13.5
3667268	38HDR060−32	CNPH*6124A**	58MV(B,C)120−20	57,500	11.0	13.0
3667272	38HDR060−32	CNPH*6124A**	58PH*110−20	57,500	11.0	13.0
3667273	38HDR060−32	CNPH*6124A**	58PH*135−20	57,500	11.0	13.0
4114039	38HDR060−32	CNPH*6124A**	58VLR120−20	57,500	11.0	13.0
4744360	38HDR060−32	CNPH*6124A**	59*N*A120V24**22	58,000	11.0	13.3
4744361	38HDR060−32	CNPH*6124A**	59*P5A120E24**22	57,500	11.0	13.3
3667267	38HDR060−32	CNPH*6124A**+TDR		57,500	11.0	13.0
3465035	38HDR060−32	CNPV*6024A**	58CV(A,X)135−22	56,000	11.0	13.5
3465036	38HDR060−32	CNPV*6024A**	58CV(A,X)155−22	56,000	11.0	13.5
3465038	38HDR060−32	CNPV*6024A**	58ME(B,C)120−20	56,000	11.0	13.5
3465037	38HDR060−32	CNPV*6024A**	58PH*135−20	56,000	11.0	13.5
4744354	38HDR060−32	CNPV*6024A**	59*N*A120V24**22	57,500	11.0	13.3
4744355	38HDR060−32	CNPV*6024A**	59*P5A120E24**22	57,500	11.0	13.3
3667262	38HDR060−32	CNPV*6124A**	58CV(A,X)135−22	57,500	11.0	13.5
3667263	38HDR060−32	CNPV*6124A**	58CV(A,X)155−22	57,500	11.0	13.5
3716353	38HDR060−32	CNPV*6124A**	58HDV100−−20 (DWNFLW ONLY)	57,500	11.0	13.0
3716352	38HDR060−32	CNPV*6124A**	58ME(B,C)120−20	57,500	11.0	13.5
3667261	38HDR060−32	CNPV*6124A**	58MV(B,C)120−20	57,500	11.0	13.0
3667264	38HDR060−32	CNPV*6124A**	58PH*135−20	57,500	11.0	13.5
3716384	38HDR060−32	CNPV*6124A**	58UVB120−20	57,500	11.0	13.0
4744356	38HDR060−32	CNPV*6124A**	59*N*A120V24**22	58,500	11.2	13.5
4744357	38HDR060−32	CNPV*6124A**	59*P5A120E24**22	58,500	11.2	13.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3667260	38HDR060−32	CNPV*6124A**+TDR		57,500	11.0	13.0
3465051	38HDR060−32	CSPH*6012A**	58CV(A,X)110−20	56,000	11.0	13.5
3465052	38HDR060−32	CSPH*6012A**	58CV(A,X)135−22	56,000	11.0	13.5
3465053	38HDR060−32	CSPH*6012A**	58CV(A,X)155−22	56,000	11.0	13.5
3465057	38HDR060−32	CSPH*6012A**	58ME(B,C)080−16	56,000	11.0	13.2
3465058	38HDR060−32	CSPH*6012A**	58ME(B,C)100−20	56,000	11.0	13.5
3465059	38HDR060−32	CSPH*6012A**	58ME(B,C)120−20	56,000	11.0	13.5
3465050	38HDR060−32	CSPH*6012A**	58MV(B,C)120−20	56,000	11.0	13.2
3465054	38HDR060−32	CSPH*6012A**	58PH*090−16	56,000	11.0	13.5
3465055	38HDR060−32	CSPH*6012A**	58PH*110−20	56,000	11.0	13.5
3465056	38HDR060−32	CSPH*6012A**	58PH*135−20	56,000	11.0	13.5
4114040	38HDR060−32	CSPH*6012A**	58VLR120−20	57,000	11.0	13.0
4744362	38HDR060−32	CSPH*6012A**	59*N*A120V24**22	58,000	11.2	13.5
4744363	38HDR060−32	CSPH*6012A**	59*P5A120E24**22	58,000	11.2	13.5
3465049	38HDR060−32	CSPH*6012A**+TDR		57,000	11.0	13.0
4084971	38HDR060−32	FB4CNF060		57,000	11.0	13.0
3465062	38HDR060−32	FE4ANB006+UI		57,500	11.0	13.5
3752249	38HDR060−32	FX4DN(B,F)061		58,000	11.0	13.5
4084972	38HDR060−32	FY5BNB060		57,500	10.5	13.0
3465064	38HDR060−52	†CNPV*6024A**+TDR		57,000	11.0	13.0
3465066	38HDR060−52	CAP**6021A**	58CV(A,X)110−20	56,000	11.0	13.2
3465069	38HDR060−52	CAP**6021A**	58ME(B,C)100−20	56,000	11.0	13.5
3465067	38HDR060−52	CAP**6021A**	58PH*090−16	56,000	11.0	13.2
3465068	38HDR060−52	CAP**6021A**	58PH*110−20	56,000	11.0	13.5
4114162	38HDR060−52	CAP**6021A**	58VLR120−20	57,000	11.0	13.0
3465065	38HDR060−52	CAP**6021A**+TDR		57,000	11.0	13.0
3465071	38HDR060−52	CAP**6024A**	58CV(A,X)135−22	56,000	11.0	13.5
3465072	38HDR060−52	CAP**6024A**	58CV(A,X)155−22	56,000	11.0	13.5
3465074	38HDR060−52	CAP**6024A**	58ME(B,C)120−20	56,000	11.0	13.5
3465073	38HDR060−52	CAP**6024A**	58PH*135−20	56,000	11.0	13.5
4816862	38HDR060−52	CAP**6024A**	59*N*A120V24**22	57,500	11.0	13.3
4816863	38HDR060−52	CAP**6024A**	59*P5A120E24**22	57,500	11.0	13.3
3465070	38HDR060−52	CAP**6024A**+TDR		57,000	11.0	13.0
4816864	38HDR060−52	CAP**6025A**	59*N*A120V24**22	57,500	11.0	13.3
4816865	38HDR060−52	CAP**6025A**	59*P5A120E24**22	57,500	11.0	13.3
4084993	38HDR060−52	CAP**6025A**+TDR		57,000	11.0	13.0
3465080	38HDR060−52	CNPH*6024A**	58CV(A,X)110−20	56,000	11.0	13.2
3465081	38HDR060−52	CNPH*6024A**	58CV(A,X)135−22	56,000	11.0	13.5
3465082	38HDR060−52	CNPH*6024A**	58CV(A,X)155−22	56,000	11.0	13.5
3465086	38HDR060−52	CNPH*6024A**	58ME(B,C)080−16	56,000	11.0	13.2
3465087	38HDR060−52	CNPH*6024A**	58ME(B,C)100−20	56,000	11.0	13.5
3465088	38HDR060−52	CNPH*6024A**	58ME(B,C)120−20	56,000	11.0	13.5
3465083	38HDR060−52	CNPH*6024A**	58PH*090−16	56,000	11.0	13.2
3465084	38HDR060−52	CNPH*6024A**	58PH*110−20	56,000	11.0	13.5
3465085	38HDR060−52	CNPH*6024A**	58PH*135−20	56,000	11.0	13.5
4114163	38HDR060−52	CNPH*6024A**	58VLR120−20	57,000	11.0	13.0
4816870	38HDR060−52	CNPH*6024A**	59*N*A120V24**22	57,500	11.0	13.3
4816871	38HDR060−52	CNPH*6024A**	59*P5A120E24**22	57,500	11.0	13.3
3465079	38HDR060−52	CNPH*6024A**+TDR		57,000	11.0	13.0
4084994	38HDR060−52	CNPH*6124A**	58CV(A,X)110−20	57,500	11.0	13.0
4084995	38HDR060−52	CNPH*6124A**	58CV(A,X)135−22	57,500	11.0	13.5
4084996	38HDR060−52	CNPH*6124A**	58CV(A,X)155−22	57,500	11.0	13.5
4084997	38HDR060−52	CNPH*6124A**	58ME(B,C)080−16	57,500	11.0	13.0
4084998	38HDR060−52	CNPH*6124A**	58ME(B,C)100−20	57,500	11.0	13.5
4084999	38HDR060−52	CNPH*6124A**	58ME(B,C)120−20	57,500	11.0	13.5
4085000	38HDR060−52	CNPH*6124A**	58MV(B,C)120−20	57,500	11.0	13.0
4085001	38HDR060−52	CNPH*6124A**	58PH*110−20	57,500	11.0	13.0
4085002	38HDR060−52	CNPH*6124A**	58PH*135−20	57,500	11.0	13.0
4114164	38HDR060−52	CNPH*6124A**	58VLR120−20	57,500	11.0	13.0
4816872	38HDR060−52	CNPH*6124A**	59*N*A120V24**22	58,000	11.0	13.3
4816873	38HDR060−52	CNPH*6124A**	59*P5A120E24**22	57,500	11.0	13.3
4085003	38HDR060−52	CNPH*6124A**+TDR		57,500	11.0	13.0
3465075	38HDR060−52	CNPV*6024A**	58CV(A,X)135−22	56,000	11.0	13.5
3465076	38HDR060−52	CNPV*6024A**	58CV(A,X)155−22	56,000	11.0	13.5
3465078	38HDR060−52	CNPV*6024A**	58ME(B,C)120−20	56,000	11.0	13.5
3465077	38HDR060−52	CNPV*6024A**	58PH*135−20	56,000	11.0	13.5
4816866	38HDR060−52	CNPV*6024A**	59*N*A120V24**22	57,500	11.0	13.3
4816867	38HDR060−52	CNPV*6024A**	59*P5A120E24**22	57,500	11.0	13.3
4084977	38HDR060−52	CNPV*6124A**	58CV(A,X)135−22	57,500	11.0	13.5
4084978	38HDR060−52	CNPV*6124A**	58CV(A,X)155−22	57,500	11.0	13.5
4129797	38HDR060−52	CNPV*6124A**	58HDV100−−20	57,500	11.0	13.0

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
4084979	38HDR060−52	CNPV*6124A**	58HDV100—20 (DWNFLW ONLY)	57,500	11.0	13.0
4084980	38HDR060−52	CNPV*6124A**	58ME(B,C)120−20	57,500	11.0	13.5
4084981	38HDR060−52	CNPV*6124A**	58MV(B,C)120−20	57,500	11.0	13.0
4084982	38HDR060−52	CNPV*6124A**	58PH*135−20	57,500	11.0	13.5
4084983	38HDR060−52	CNPV*6124A**	58UVB120−20	57,500	11.0	13.0
4816868	38HDR060−52	CNPV*6124A**	59*N*A120V24**22	58,500	11.2	13.5
4816869	38HDR060−52	CNPV*6124A**	59*P5A120E24**22	58,500	11.2	13.5
4084984	38HDR060−52	CNPV*6124A**+TDR		57,500	11.0	13.0
3465091	38HDR060−52	CSPH*6012A**	58CV(A,X)110−20	56,000	11.0	13.5
3465092	38HDR060−52	CSPH*6012A**	58CV(A,X)135−22	56,000	11.0	13.5
3465093	38HDR060−52	CSPH*6012A**	58CV(A,X)155−22	56,000	11.0	13.5
3465097	38HDR060−52	CSPH*6012A**	58ME(B,C)080−16	56,000	11.0	13.2
3465098	38HDR060−52	CSPH*6012A**	58ME(B,C)100−20	56,000	11.0	13.5
3465099	38HDR060−52	CSPH*6012A**	58ME(B,C)120−20	56,000	11.0	13.5
3465090	38HDR060−52	CSPH*6012A**	58MV(B,C)120−20	56,000	11.0	13.2
3465094	38HDR060−52	CSPH*6012A**	58PH*090−16	56,000	11.0	13.5
3465095	38HDR060−52	CSPH*6012A**	58PH*110−20	56,000	11.0	13.5
3465096	38HDR060−52	CSPH*6012A**	58PH*135−20	56,000	11.0	13.5
4114165	38HDR060−52	CSPH*6012A**	58VLR120−20	57,000	11.0	13.0
4816874	38HDR060−52	CSPH*6012A**	59*N*A120V24**22	58,000	11.2	13.5
4816875	38HDR060−52	CSPH*6012A**	59*P5A120E24**22	58,000	11.2	13.5
3465089	38HDR060−52	CSPH*6012A**+TDR		57,000	11.0	13.0
4084973	38HDR060−52	FB4CNF060		57,000	11.0	13.0
3465102	38HDR060−52	FE4ANB006+UI		57,500	11.0	13.5
3752252	38HDR060−52	FX4DN(B,F)061		58,000	11.0	13.5
4084974	38HDR060−52	FY5BNB060		57,500	10.5	13.0
3465104	38HDR060−62	†CNPV*6024A**+TDR		57,000	11.0	13.0
3465106	38HDR060−62	CAP**6021A**	58CV(A,X)110−20	56,000	11.0	13.2
3465109	38HDR060−62	CAP**6021A**	58ME(B,C)100−20	56,000	11.0	13.5
3465107	38HDR060−62	CAP**6021A**	58PH*090−16	56,000	11.0	13.2
3465108	38HDR060−62	CAP**6021A**	58PH*110−20	56,000	11.0	13.5
4114287	38HDR060−62	CAP**6021A**	58VLR120−20	57,000	11.0	13.0
3465105	38HDR060−62	CAP**6021A**+TDR		57,000	11.0	13.0
3465111	38HDR060−62	CAP**6024A**	58CV(A,X)135−22	56,000	11.0	13.5
3465112	38HDR060−62	CAP**6024A**	58CV(A,X)155−22	56,000	11.0	13.5
3465114	38HDR060−62	CAP**6024A**	58ME(B,C)120−20	56,000	11.0	13.5
3465113	38HDR060−62	CAP**6024A**	58PH*135−20	56,000	11.0	13.5
4816876	38HDR060−62	CAP**6024A**	59*N*A120V24**22	57,500	11.0	13.3
4816877	38HDR060−62	CAP**6024A**	59*P5A120E24**22	57,500	11.0	13.3
3465110	38HDR060−62	CAP**6024A**+TDR		57,000	11.0	13.0
4816878	38HDR060−62	CAP**6025A**	59*N*A120V24**22	57,500	11.0	13.3
4816879	38HDR060−62	CAP**6025A**	59*P5A120E24**22	57,500	11.0	13.3
4085004	38HDR060−62	CAP**6025A**+TDR		57,000	11.0	13.0
3465120	38HDR060−62	CNPH*6024A**	58CV(A,X)110−20	56,000	11.0	13.2
3465121	38HDR060−62	CNPH*6024A**	58CV(A,X)135−22	56,000	11.0	13.5
3465122	38HDR060−62	CNPH*6024A**	58CV(A,X)155−22	56,000	11.0	13.5
3465126	38HDR060−62	CNPH*6024A**	58ME(B,C)080−16	56,000	11.0	13.2
3465127	38HDR060−62	CNPH*6024A**	58ME(B,C)100−20	56,000	11.0	13.5
3465128	38HDR060−62	CNPH*6024A**	58ME(B,C)120−20	56,000	11.0	13.5
3465123	38HDR060−62	CNPH*6024A**	58PH*090−16	56,000	11.0	13.2
3465124	38HDR060−62	CNPH*6024A**	58PH*110−20	56,000	11.0	13.5
3465125	38HDR060−62	CNPH*6024A**	58PH*135−20	56,000	11.0	13.5
4114288	38HDR060−62	CNPH*6024A**	58VLR120−20	57,000	11.0	13.0
4816884	38HDR060−62	CNPH*6024A**	59*N*A120V24**22	57,500	11.0	13.3
4816885	38HDR060−62	CNPH*6024A**	59*P5A120E24**22	57,500	11.0	13.3
3465119	38HDR060−62	CNPH*6024A**+TDR		57,000	11.0	13.0
4085005	38HDR060−62	CNPH*6124A**	58CV(A,X)110−20	57,500	11.0	13.0
4085006	38HDR060−62	CNPH*6124A**	58CV(A,X)135−22	57,500	11.0	13.5
4085007	38HDR060−62	CNPH*6124A**	58CV(A,X)155−22	57,500	11.0	13.5
4085008	38HDR060−62	CNPH*6124A**	58ME(B,C)080−16	57,500	11.0	13.0
4085009	38HDR060−62	CNPH*6124A**	58ME(B,C)100−20	57,500	11.0	13.5
4085010	38HDR060−62	CNPH*6124A**	58ME(B,C)120−20	57,500	11.0	13.5
4085011	38HDR060−62	CNPH*6124A**	58MV(B,C)120−20	57,500	11.0	13.0
4085012	38HDR060−62	CNPH*6124A**	58PH*110−20	57,500	11.0	13.0
4085013	38HDR060−62	CNPH*6124A**	58PH*135−20	57,500	11.0	13.0
4114289	38HDR060−62	CNPH*6124A**	58VLR120−20	57,500	11.0	13.0
4816886	38HDR060−62	CNPH*6124A**	59*N*A120V24**22	58,000	11.0	13.3
4816887	38HDR060−62	CNPH*6124A**	59*P5A120E24**22	57,500	11.0	13.3
4085014	38HDR060−62	CNPH*6124A**+TDR		57,500	11.0	13.0
3465115	38HDR060−62	CNPV*6024A**	58CV(A,X)135−22	56,000	11.0	13.5
3465116	38HDR060−62	CNPV*6024A**	58CV(A,X)155−22	56,000	11.0	13.5

See notes on page 54

COMBINATION RATINGS (CONT.)

AHRI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3465118	38HDR060−62	CNPV*6024A**	58ME(B,C)120−20	56,000	11.0	13.5
3465117	38HDR060−62	CNPV*6024A**	58PH*135−20	56,000	11.0	13.5
4816880	38HDR060−62	CNPV*6024A**	59*N*A120V24**22	57,500	11.0	13.3
4816881	38HDR060−62	CNPV*6024A**	59*P5A120E24**22	57,500	11.0	13.3
4084985	38HDR060−62	CNPV*6124A**	58CV(A,X)135−22	57,500	11.0	13.5
4084986	38HDR060−62	CNPV*6124A**	58CV(A,X)155−22	57,500	11.0	13.5
4129816	38HDR060−62	CNPV*6124A**	58HDV100−−20	57,500	11.0	13.0
4084987	38HDR060−62	CNPV*6124A**	58HDV100—20 (DWNFLW ONLY)	57,500	11.0	13.0
4084988	38HDR060−62	CNPV*6124A**	58ME(B,C)120−20	57,500	11.0	13.5
4084989	38HDR060−62	CNPV*6124A**	58MV(B,C)120−20	57,500	11.0	13.0
4084990	38HDR060−62	CNPV*6124A**	58PH*135−20	57,500	11.0	13.5
4084991	38HDR060−62	CNPV*6124A**	58UVB120−20	57,500	11.0	13.0
4816882	38HDR060−62	CNPV*6124A**	59*N*A120V24**22	58,500	11.2	13.5
4816883	38HDR060−62	CNPV*6124A**	59*P5A120E24**22	58,500	11.2	13.5
4084992	38HDR060−62	CNPV*6124A**+TDR		57,500	11.0	13.0
3465131	38HDR060−62	CSPH*6012A**	58CV(A,X)110−20	56,000	11.0	13.5
3465132	38HDR060−62	CSPH*6012A**	58CV(A,X)135−22	56,000	11.0	13.5
3465133	38HDR060−62	CSPH*6012A**	58CV(A,X)155−22	56,000	11.0	13.5
3465137	38HDR060−62	CSPH*6012A**	58ME(B,C)080−16	56,000	11.0	13.2
3465138	38HDR060−62	CSPH*6012A**	58ME(B,C)100−20	56,000	11.0	13.5
3465139	38HDR060−62	CSPH*6012A**	58ME(B,C)120−20	56,000	11.0	13.5
3465130	38HDR060−62	CSPH*6012A**	58MV(B,C)120−20	56,000	11.0	13.2
3465134	38HDR060−62	CSPH*6012A**	58PH*090−16	56,000	11.0	13.5
3465135	38HDR060−62	CSPH*6012A**	58PH*110−20	56,000	11.0	13.5
3465136	38HDR060−62	CSPH*6012A**	58PH*135−20	56,000	11.0	13.5
4114290	38HDR060−62	CSPH*6012A**	58VLR120−20	57,000	11.0	13.0
4816888	38HDR060−62	CSPH*6012A**	59*N*A120V24**22	58,000	11.2	13.5
4816889	38HDR060−62	CSPH*6012A**	59*P5A120E24**22	58,000	11.2	13.5
3465129	38HDR060−62	CSPH*6012A**+TDR		57,000	11.0	13.0
4084975	38HDR060−62	FB4CNF060		57,000	11.0	13.0
3465142	38HDR060−62	FE4ANB006+UI		57,500	11.0	13.5
3752255	38HDR060−62	FX4DN(B,F)061		58,000	11.0	13.5
4084976	38HDR060−62	FY5BNB060		57,500	10.5	13.0

† Tested combination

EER — Energy Efficiency Ratio

SEER — Seasonal Energy Efficiency Ratio

TDR — Time−Delay Relay. In most cases, only 1 method should be used to achieve TDR function. Using more than 1 method in a system may cause degradation in performance. Use either the accessory Time−Delay Relay KAATD0101TDR or a furnace equipped with TDR. Most Carrier furnaces are equipped with TDR.

TXV — Thermostatic Expansion Valve

NOTES:

1. Ratings are net values reflecting the effects of circulating fan motor heat. Supplemental electric heat is not included.
2. Tested outdoor/indoor combinations have been tested in accordance with DOE test procedures for central air conditioners. Ratings for other combinations are determined under DOE computer simulation procedures.
3. Determine actual CFM values obtainable for your system by referring to fan performance data in fan coil or furnace coil literature.
4. Do not apply with capillary tube coils as performance and reliability are significantly affected.

DETAILED COOLING CAPACITIES*

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB °F (°C)	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38HDR018 Outdoor Section With CNPV*1814A** Indoor Section																			
525	72 (22.2)	20.28	9.40	1.22	19.31	9.07	1.36	18.30	8.73	1.52	17.26	8.38	1.69	16.14	8.01	1.87	14.90	7.61	2.07
	67(19.4)	18.53	11.50	1.22	17.65	11.17	1.36	16.72	10.82	1.52	15.76	10.47	1.69	14.72	10.09	1.87	13.59	9.69	2.07
	62 (16.7)	16.93	13.58	1.23	16.13	13.24	1.37	15.29	12.89	1.52	14.43	12.52	1.69	13.57	13.57	1.87	12.71	12.71	2.07
	57 (13.9)	16.35	16.35	1.23	15.72	15.72	1.37	15.05	15.05	1.52	14.34	14.34	1.69	13.57	13.57	1.87	12.71	12.71	2.07
600	72(22.2)	20.65	9.87	1.25	19.63	9.53	1.39	18.59	9.18	1.54	17.50	8.83	1.71	16.34	8.46	1.90	15.05	8.05	2.10
	67(19.4)	18.90	12.25	1.25	17.97	11.91	1.39	17.00	11.56	1.55	16.00	11.20	1.72	14.93	10.82	1.90	13.75	10.41	2.10
	62 (16.7)	17.33	14.61	1.25	16.51	14.26	1.39	15.67	15.61	1.55	14.91	14.91	1.72	14.08	14.08	1.90	13.16	13.16	2.10
	57 (13.9)	17.07	17.07	1.25	16.39	16.39	1.39	15.67	15.67	1.55	14.91	14.91	1.72	14.08	14.08	1.90	13.16	13.16	2.10
675	72 (22.2)	20.91	10.30	1.27	19.86	9.96	1.41	18.78	9.61	1.57	17.67	9.26	1.74	16.47	8.88	1.93	15.15	8.46	2.13
	67 (19.4)	19.16	12.97	1.27	18.20	12.62	1.42	17.20	12.27	1.57	16.18	11.90	1.74	15.07	11.52	1.93	13.87	11.09	2.13
	62 (16.7)	17.70	17.52	1.28	16.94	16.94	1.42	16.17	16.17	1.57	15.37	15.37	1.74	14.49	14.49	1.93	13.52	13.52	2.13
	57(13.9)	17.67	17.67	1.28	16.94	16.94	1.42	16.17	16.17	1.57	15.37	15.37	1.74	14.49	14.49	1.93	13.52	13.52	2.13

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*CNPV*1814A**	1.00	1.00	
CAP**1814A**	1.00	1.01	
CAP**2414A**	1.02	1.02	
CAP**2417A**	1.02	1.02	
CNPH*2417A**	1.02	1.02	
CNPV*1917A**	1.01	1.01	
CNPV*2414A**	1.02	1.02	
CNPV*2417A**	1.02	1.02	
CSPH*2412A**	1.02	1.02	
FB4CNF018	1.01	0.93	
FB4CNF024	1.02	0.94	
FE4ANF002	1.02	0.98	
FF1ENP018	1.02	1.04	
FF1ENP019	1.02	0.98	
FF1ENP024	1.02	1.02	
FF1ENP025	1.04	0.95	
FF1ENP031	1.04	0.95	
FF1ENP037	1.04	0.95	
FV4CNF002	1.02	0.98	
FX4DN(B,F)031	1.02	0.94	
FX4DNF019	1.02	0.94	
FX4DNF025	1.02	0.94	
FY5BNF018	1.01	1.01	
FY5BNF024	1.02	1.02	
CAP**1814A**	1.00	0.96	58CV(A,X)070–12
CAP**2414A**	1.02	0.98	58CV(A,X)070–12
CAP**2417A**	1.02	0.98	58CV(A,X)070–12
CNPH*2417A**	1.02	0.98	58CV(A,X)070–12
CNPV*1814A**	1.00	0.96	58CV(A,X)070–12
CNPV*2414A**	1.02	0.98	58CV(A,X)070–12
CNPV*2417A**	1.02	0.98	58CV(A,X)070–12
CSPH*2412A**	1.02	0.98	58CV(A,X)070–12
CAP**2417A**	1.02	0.98	58CV(A,X)090–16
CNPH*2417A**	1.02	0.98	58CV(A,X)090–16
CNPV*1917A**	1.01	0.93	58CV(A,X)090–16
CNPV*2417A**	1.02	0.98	58CV(A,X)090–16
CSPH*2412A**	1.02	0.98	58CV(A,X)090–16
CNPH*2417A**	1.00	0.92	58HDV040––12
CNPV*1917A**	1.00	0.92	58HDV040––12
CNPV*2417A**	1.00	0.96	58HDV040––12
CSPH*2412A**	1.00	0.92	58HDV040––12
CSPH*2412A**	1.00	0.92	58HDV040––12

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPH*2417A**	1.00	0.92	58HDV060––12
CNPV*1917A**	1.00	0.92	58HDV060––12
CNPV*2417A**	1.00	0.92	58HDV060––12
CSPH*2412A**	1.00	0.92	58HDV060––12
CSPH*2412A**	1.00	0.92	58HDV060––12
CAP**2417A**	1.02	0.94	58ME(B,C)060–12
CNPH*2417A**	1.02	0.94	58ME(B,C)060–12
CNPV*1917A**	1.01	0.89	58ME(B,C)060–12
CNPV*1917A**	1.01	0.89	58ME(B,C)060–12
CNPV*2417A**	1.02	0.94	58ME(B,C)060–12
CSPH*2412A**	1.02	0.94	58ME(B,C)060–12
CAP**2417A**	1.02	0.94	58MEB040–12
CNPH*2417A**	1.02	0.94	58MEB040–12
CNPV*1917A**	1.01	0.89	58MEB040–12
CNPV*1917A**	1.01	0.89	58MEB040–12
CNPV*2417A**	1.02	0.94	58MEB040–12
CSPH*2412A**	1.02	0.94	58MEB040–12
CAP**2417A**	1.02	0.94	58MEC060–12
CNPH*2417A**	1.02	0.94	58MEC060–12
CNPV*1917A**	1.01	0.89	58MEC060–12
CNPV*2417A**	1.02	0.94	58MEC060–12
CSPH*2412A**	1.02	0.94	58MEC060–12
CAP**2417A**	1.02	0.98	58MV(B,C)060–14
CNPH*2417A**	1.02	0.98	58MV(B,C)060–14
CNPV*1917A**	1.01	0.93	58MV(B,C)060–14
CNPV*2417A**	1.02	0.98	58MV(B,C)060–14
CSPH*2412A**	1.02	0.98	58MV(B,C)060–14
CNPH*2417A**	1.02	0.98	58MV(B,C)080–14
CSPH*2412A**	1.02	0.98	58MV(B,C)080–14
CAP**1814A**	1.00	0.96	58PH*045–08
CAP**2414A**	1.02	0.94	58PH*045–08
CNPH*2417A**	1.02	0.94	58PH*045–08
CNPV*1814A**	1.00	0.96	58PH*045–08
CNPV*2414A**	1.02	0.94	58PH*045–08
CSPH*2412A**	1.02	0.94	58PH*045–08
CNPV*1917A**	1.01	0.93	58UV(B,C)060–14
CAP**2417A**	1.02	0.98	58UVB060–14
CNPV*1917A**	1.01	0.93	58UVB060–14
CNPV*2417A**	1.02	0.98	58UVB060–14
CAP**2417A**	1.00	0.92	58VLR105–12
CNPH*2417A**	1.00	0.92	58VLR105–12
CNPV*1917A**	1.00	0.92	58VLR105–12

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPV*2417A**	1.00	0.92	58VLR105–12
CSPH*2412A**	1.00	0.92	58VLR105–12
CAP**2417A**	1.00	0.92	58VMR105–12
CNPH*2417A**	1.00	0.92	58VMR105–12
CNPV*1917A**	1.00	0.92	58VMR105–12
CNPV*2417A**	1.00	0.92	58VMR105–12
CSPH*2412A**	1.00	0.92	58VMR105–12
CAP**2417A**	1.02	0.94	59*N*A060V17**14
CNPH*2417A**	1.03	0.94	59*N*A060V17**14
CNPV*1917A**	1.04	0.92	59*N*A060V17**14
CNPV*2417A**	1.03	0.94	59*N*A060V17**14
CSPH*2412A**	1.04	0.95	59*N*A060V17**14
CAP**2417A**	1.02	0.93	59*N*A080V17**14
CNPH*2417A**	1.02	0.94	59*N*A080V17**14
CNPV*1917A**	1.03	0.91	59*N*A080V17**14
CNPV*2417A**	1.02	0.94	59*N*A080V17**14
CSPH*2412A**	1.03	0.94	59*N*A080V17**14
CAP**1814A**	0.99	0.95	59*P5A040E14**10
CAP**2414A**	1.02	0.94	59*P5A040E14**10
CAP**2417A**	1.02	0.94	59*P5A040E14**10
CNPH*2417A**	1.02	0.95	59*P5A040E14**10
CNPV*1814A**	1.01	0.94	59*P5A040E14**10
CNPV*1917A**	1.03	0.94	59*P5A040E14**10
CNPV*2414A**	1.02	0.95	59*P5A040E14**10
CNPV*2417A**	1.02	0.95	59*P5A040E14**10
CSPH*2412A**	1.02	0.94	59*P5A040E14**10
CAP**2417A**	1.00	0.92	OVLAAB036098
CNPH*2417A**	1.00	0.92	OVLAAB036098
CNPV*1917A**	1.00	0.92	OVLAAB036098
CNPV*2417A**	1.00	0.92	OVLAAB036098
CSPH*2412A**	1.00	0.92	OVLAAB036098
CAP**2417A**	1.00	0.92	OVMAAB036098
CNPH*2417A**	1.00	0.92	OVMAAB036098
CNPV*1917A**	1.00	0.92	OVMAAB036098
CNPV*2417A**	1.00	0.92	OVMAAB036098
CSPH*2412A**	1.00	0.92	OVMAAB036098

See notes on pg. 67

DETAILED COOLING CAPACITIES* (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB °F (°C)	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38HDR024 Outdoor Section With CNPV*2414A** Indoor Section																			
700	72 (22.2)	28.11	13.59	1.69	26.70	13.09	1.89	25.17	12.55	2.10	23.54	11.98	2.33	21.76	11.38	2.58	19.78	10.71	2.84
	67(19.4)	25.68	16.61	1.68	24.41	16.11	1.87	23.04	15.58	2.09	21.58	15.02	2.32	19.98	14.42	2.57	18.21	13.77	2.83
	62 (16.7)	23.47	19.61	1.67	22.34	19.11	1.86	21.13	18.58	2.08	19.86	18.01	2.31	18.57	18.57	2.55	17.23	17.23	2.82
	57 (13.9)	22.67	22.67	1.67	21.77	21.77	1.86	20.81	20.81	2.07	19.75	19.75	2.31	18.57	18.57	2.55	17.23	17.23	2.82
800	72(22.2)	28.62	14.25	1.73	27.14	13.73	1.93	25.53	13.18	2.14	23.83	12.61	2.37	21.98	11.99	2.62	19.92	11.32	2.88
	67(19.4)	26.18	17.67	1.72	24.84	17.16	1.91	23.40	16.61	2.13	21.88	16.05	2.36	20.22	15.43	2.61	18.38	14.76	2.87
	62 (16.7)	24.02	21.07	1.71	22.85	20.54	1.90	21.63	21.51	2.12	20.48	20.48	2.35	19.20	19.20	2.60	17.75	17.75	2.86
	57 (13.9)	23.64	23.64	1.71	22.68	22.68	1.90	21.62	21.62	2.12	20.48	20.48	2.35	19.20	19.20	2.60	17.75	17.75	2.86
900	72 (22.2)	28.99	14.87	1.77	27.45	14.34	1.96	25.78	13.78	2.18	24.03	13.20	2.41	22.12	12.57	2.66	20.00	11.89	2.92
	67 (19.4)	26.54	18.68	1.76	25.15	18.16	1.95	23.66	17.61	2.17	22.09	17.03	2.40	20.38	16.40	2.65	18.50	15.71	2.91
	62 (16.7)	24.51	22.41	1.75	23.41	23.41	1.94	22.28	22.28	2.16	21.06	21.06	2.39	19.70	19.70	2.64	18.15	18.15	2.91
	57(13.9)	24.45	24.45	1.75	23.41	23.41	1.94	22.28	22.28	2.16	21.06	21.06	2.39	19.70	19.70	2.64	18.15	18.15	2.91

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*CNPV*2414A**	1.00	1.00	
CAP**2414A**	1.00	1.00	
CAP**2417A**	1.00	1.00	
CAP**3014A**	1.01	1.01	
CAP**3017A**	1.01	1.01	
CAP**3619A**	1.00	1.00	
CNPH*2417A**	1.00	1.00	
CNPH*3017A**	1.01	1.01	
CNPH*3117A**	1.01	1.01	
CNPV*2417A**	1.00	1.00	
CNPV*3014A**	1.01	1.01	
CNPV*3017A**	1.01	1.01	
CNPV*3117A**	1.01	1.01	
CSPH*2412A**	1.00	1.00	
CSPH*3012A**	1.01	1.01	
FB4CNF024	1.00	0.96	
FB4CNF030	1.02	0.93	
FE4AN(B,F)003	1.02	0.93	
FE4ANF002	1.01	0.92	
FE5ANB004	1.03	0.94	
FF1ENP024	0.97	0.97	
FF1ENP025	1.00	0.96	
FF1ENP030	0.98	0.98	
FF1ENP031	1.01	0.96	
FF1ENP037	1.02	0.97	
FV4CN(B,F)003	1.02	0.93	
FV4CNF002	1.01	0.92	
FX4DN(B,F)031	1.02	0.93	
FX4DN(B,F)037	1.03	0.87	
FX4DNF025	1.01	0.92	
FY5BNF024	1.00	0.96	
FY5BNF030	1.02	0.97	
CAP**2414A**	0.99	0.95	58CV(A,X)070–12
CAP**3014A**	1.00	0.96	58CV(A,X)070–12
CNPH*2417A**	1.00	0.96	58CV(A,X)070–12
CNPH*3017A**	1.00	0.96	58CV(A,X)070–12
CNPH*3117A**	1.01	0.89	58CV(A,X)070–12
CNPV*2414A**	1.00	0.96	58CV(A,X)070–12
CNPV*3014A**	1.00	0.96	58CV(A,X)070–12
CSPH*2412A**	1.00	0.96	58CV(A,X)070–12
CSPH*3012A**	1.01	0.96	58CV(A,X)070–12
CAP**2417A**	1.00	0.96	58CV(A,X)090–16

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CAP**3017A**	1.01	0.96	58CV(A,X)090–16
CNPH*2417A**	1.00	0.96	58CV(A,X)090–16
CNPH*3017A**	1.01	0.96	58CV(A,X)090–16
CNPH*3117A**	1.01	0.89	58CV(A,X)090–16
CNPV*2417A**	1.00	0.96	58CV(A,X)090–16
CNPV*3017A**	1.01	0.96	58CV(A,X)090–16
CNPV*3117A**	1.01	0.89	58CV(A,X)090–16
CSPH*2412A**	1.00	0.96	58CV(A,X)090–16
CSPH*3012A**	1.01	0.96	58CV(A,X)090–16
CNPH*2417A**	1.00	0.96	58CV(A,X)110–20
CNPH*3017A**	1.01	0.96	58CV(A,X)110–20
CNPH*3117A**	1.01	0.89	58CV(A,X)110–20
CSPH*2412A**	1.00	0.96	58CV(A,X)110–20
CSPH*3012A**	1.01	0.96	58CV(A,X)110–20
CNPH*2417A**	1.00	0.96	58CV(A,X)135–22
CNPH*3017A**	1.01	0.96	58CV(A,X)135–22
CNPH*3117A**	1.01	0.89	58CV(A,X)135–22
CSPH*2412A**	1.00	0.96	58CV(A,X)135–22
CSPH*3012A**	1.01	0.96	58CV(A,X)135–22
CNPH*2417A**	1.00	0.96	58CV(A,X)155–22
CNPH*3017A**	1.01	0.96	58CV(A,X)155–22
CNPH*3117A**	1.01	0.89	58CV(A,X)155–22
CSPH*2412A**	1.00	0.96	58CV(A,X)155–22
CSPH*3012A**	1.01	0.96	58CV(A,X)155–22
CAP**3619A**	1.00	0.96	58HDV040– –12
CNPH*2417A**	1.00	0.96	58HDV040– –12
CNPH*3017A**	1.01	0.92	58HDV040– –12
CNPH*3117A**	1.01	0.92	58HDV040– –12
CNPV*2417A**	1.00	0.92	58HDV040– –12
CNPV*3017A**	1.01	0.92	58HDV040– –12
CNPV*3117A**	1.02	0.93	58HDV040– –12
CSPH*2412A**	1.00	0.96	58HDV040– –12
CSPH*3012A**	1.01	0.96	58HDV040– –12
CAP**3619A**	1.00	0.96	58HDV060– –12
CNPH*2417A**	1.00	0.96	58HDV060– –12
CNPH*3017A**	1.01	0.92	58HDV060– –12
CNPH*3117A**	1.01	0.92	58HDV060– –12
CNPV*2417A**	1.00	0.92	58HDV060– –12
CNPV*3017A**	1.01	0.92	58HDV060– –12
CNPV*3117A**	1.02	0.93	58HDV060– –12
CSPH*2412A**	1.00	0.96	58HDV060– –12
CSPH*3012A**	1.01	0.96	58HDV060– –12

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPH*2417A**	1.00	0.92	58HDV080– –20
CNPH*3017A**	1.01	0.92	58HDV080– –20
CNPH*3117A**	1.02	0.93	58HDV080– –20
CNPH*3117A**	1.02	0.93	58HDV080– –20
CSPH*2412A**	1.00	0.96	58HDV080– –20
CSPH*3012A**	1.01	0.96	58HDV080– –20
CNPH*2417A**	1.00	0.92	58HDV100– –20
CNPH*3017A**	1.01	0.92	58HDV100– –20
CNPH*3117A**	1.01	0.92	58HDV100– –20
CSPH*2412A**	1.00	0.96	58HDV100– –20
CSPH*3012A**	1.01	0.96	58HDV100– –20
CNPH*3117A**	1.01	0.89	58ME(B,C)060–12
CNPV*3117A**	1.01	0.89	58ME(B,C)060–12
CNPH*3117A**	1.01	0.89	58ME(B,C)080–12
CNPV*3117A**	1.01	0.89	58ME(B,C)080–12
CAP**2417A**	1.00	0.92	58MEB040–12
CAP**3017A**	1.01	0.92	58MEB040–12
CNPH*2417A**	1.00	0.92	58MEB040–12
CNPH*3017A**	1.01	0.92	58MEB040–12
CNPH*3117A**	1.01	0.89	58MEB040–12
CNPV*2417A**	1.00	0.92	58MEB040–12
CNPV*3017A**	1.01	0.92	58MEB040–12
CNPV*3117A**	1.01	0.89	58MEB040–12
CSPH*2412A**	1.00	0.92	58MEB040–12
CSPH*3012A**	1.01	0.92	58MEB040–12
CAP**2417A**	1.00	0.92	58MEC060–12
CAP**3017A**	1.01	0.92	58MEC060–12
CNPH*2417A**	1.00	0.92	58MEC060–12
CNPH*3017A**	1.01	0.92	58MEC060–12
CNPH*3117A**	1.01	0.89	58MEC060–12
CNPV*2417A**	1.00	0.92	58MEC060–12
CNPV*3017A**	1.01	0.92	58MEC060–12
CNPV*3117A**	1.01	0.89	58MEC060–12
CSPH*2412A**	1.00	0.92	58MEC060–12
CSPH*3012A**	1.01	0.92	58MEC060–12
CAP**2417A**	1.00	0.92	58MEC080–12
CAP**3017A**	1.01	0.92	58MEC080–12
CNPH*2417A**	1.00	0.92	58MEC080–12
CNPH*3017A**	1.01	0.92	58MEC080–12
CNPV*2417A**	1.00	0.92	58MEC080–12
CNPV*3017A**	1.01	0.92	58MEC080–12
CSPH*2412A**	1.00	0.92	58MEC080–12

DETAILED COOLING CAPACITIES* (CONT.)

38HDR024 Outdoor Section With CNPV*2414A Indoor Section**

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CSPH*3012A**	1.01	0.92	58MEC080–12
CAP**2417A**	1.00	0.96	58MV(B,C)060–14
CAP**3017A**	1.01	0.96	58MV(B,C)060–14
CNPH*2417A**	1.00	0.96	58MV(B,C)060–14
CNPH*3017A**	1.01	0.96	58MV(B,C)060–14
CNPH*3117A**	1.01	0.89	58MV(B,C)060–14
CNPV*2417A**	1.00	0.96	58MV(B,C)060–14
CNPV*3017A**	1.01	0.96	58MV(B,C)060–14
CNPV*3117A**	1.01	0.89	58MV(B,C)060–14
CSPH*2412A**	1.00	0.96	58MV(B,C)060–14
CSPH*3012A**	1.01	0.96	58MV(B,C)060–14
CNPH*2417A**	1.00	0.96	58MV(B,C)080–14
CNPH*3017A**	1.00	0.96	58MV(B,C)080–14
CNPH*3117A**	1.01	0.89	58MV(B,C)080–14
CSPH*2412A**	1.00	0.96	58MV(B,C)080–14
CSPH*3012A**	1.01	0.96	58MV(B,C)080–14
CNPH*2417A**	0.99	0.95	58MV(B,C)080–20
CNPH*3017A**	1.00	0.96	58MV(B,C)080–20
CNPH*3117A**	1.01	0.89	58MV(B,C)080–20
CSPH*2412A**	1.00	0.96	58MV(B,C)080–20
CSPH*3012A**	1.00	0.96	58MV(B,C)080–20
CNPH*2417A**	1.00	0.96	58MV(B,C)100–20
CNPH*3017A**	1.01	0.96	58MV(B,C)100–20
CNPH*3117A**	1.01	0.89	58MV(B,C)100–20
CSPH*2412A**	1.00	0.96	58MV(B,C)100–20
CSPH*3012A**	1.01	0.96	58MV(B,C)100–20
CNPH*2417A**	1.00	0.96	58MV(B,C)120–20
CNPH*3017A**	1.01	0.96	58MV(B,C)120–20
CNPH*3117A**	1.01	0.89	58MV(B,C)120–20
CSPH*2412A**	1.00	0.96	58MV(B,C)120–20
CSPH*3012A**	1.01	0.96	58MV(B,C)120–20
CNPH*2417A**	1.00	0.96	58MVB040–14
CNPH*3017A**	1.01	0.96	58MVB040–14
CNPH*3117A**	1.01	0.89	58MVB040–14
CSPH*2412A**	1.00	0.96	58MVB040–14
CSPH*3012A**	1.01	0.96	58MVB040–14
CAP**2414A**	1.00	0.96	58PH*045–08
CAP**3014A**	1.01	0.92	58PH*045–08
CNPH*2417A**	1.00	0.96	58PH*045–08
CNPH*3017A**	1.01	0.92	58PH*045–08
CNPH*3117A**	1.01	0.92	58PH*045–08
CNPV*2414A**	1.00	0.96	58PH*045–08
CNPV*3014A**	1.01	0.96	58PH*045–08
CSPH*2412A**	1.00	0.96	58PH*045–08
CSPH*3012A**	1.01	0.92	58PH*045–08
CNPV*3117A**	1.01	0.89	58UV(B,C)060–14
CAP**2417A**	1.00	0.96	58UVB060–14
CAP**3017A**	1.01	0.96	58UVB060–14
CNPV*2417A**	1.00	0.96	58UVB060–14
CNPV*3017A**	1.01	0.96	58UVB060–14
CNPV*3117A**	1.01	0.89	58UVB060–14
CAP**2417A**	1.00	0.92	58VLR105–12
CAP**3017A**	1.01	0.92	58VLR105–12
CNPH*2417A**	1.00	0.92	58VLR105–12
CNPH*3017A**	1.01	0.92	58VLR105–12
CNPH*3117A**	1.02	0.93	58VLR105–12
CNPV*2417A**	1.00	0.92	58VLR105–12
CNPV*3017A**	1.01	0.92	58VLR105–12
CNPV*3117A**	1.02	0.93	58VLR105–12

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CSPH*2412A**	1.01	0.92	58VLR105–12
CSPH*3012A**	1.01	0.92	58VLR105–12
CAP**2417A**	1.00	0.92	58VMR105–12
CAP**3017A**	1.00	0.92	58VMR105–12
CNPH*2417A**	0.99	0.91	58VMR105–12
CNPH*3017A**	1.00	0.92	58VMR105–12
CNPH*3117A**	1.02	0.93	58VMR105–12
CNPV*2417A**	0.99	0.91	58VMR105–12
CNPV*3017A**	1.00	0.92	58VMR105–12
CNPV*3117A**	1.02	0.93	58VMR105–12
CSPH*2412A**	1.01	0.92	58VMR105–12
CSPH*3012A**	1.01	0.92	58VMR105–12
CAP**2417A**	0.99	0.91	59*N*A060V17**14
CAP**3017A**	0.99	0.91	59*N*A060V17**14
CNPH*2417A**	0.99	0.91	59*N*A060V17**14
CNPH*3017A**	0.99	0.91	59*N*A060V17**14
CNPH*3117A**	1.02	0.90	59*N*A060V17**14
CNPV*2417A**	0.99	0.91	59*N*A060V17**14
CNPV*3017A**	0.99	0.91	59*N*A060V17**14
CNPV*3117A**	1.02	0.90	59*N*A060V17**14
CSPH*2412A**	1.00	0.92	59*N*A060V17**14
CSPH*3012A**	1.00	0.92	59*N*A060V17**14
CAP**2417A**	0.98	0.90	59*N*A080V17**14
CAP**3017A**	0.99	0.91	59*N*A080V17**14
CNPH*2417A**	0.98	0.90	59*N*A080V17**14
CNPH*3017A**	0.99	0.91	59*N*A080V17**14
CNPH*3117A**	1.01	0.89	59*N*A080V17**14
CNPV*2417A**	0.98	0.90	59*N*A080V17**14
CNPV*3017A**	0.99	0.91	59*N*A080V17**14
CNPV*3117A**	1.01	0.89	59*N*A080V17**14
CSPH*2412A**	0.99	0.91	59*N*A080V17**14
CSPH*3012A**	1.00	0.92	59*N*A080V17**14
CNPH*2417A**	1.00	0.92	59*N*A100V21**20
CNPH*3017A**	1.01	0.92	59*N*A100V21**20
CNPH*3117A**	1.03	0.90	59*N*A100V21**20
CSPH*2412A**	1.01	0.92	59*N*A100V21**20
CSPH*3012A**	1.01	0.92	59*N*A100V21**20
CNPH*2417A**	0.99	0.91	59*N*A120V24**22
CNPH*3017A**	1.00	0.88	59*N*A120V24**22
CNPH*3117A**	1.02	0.90	59*N*A120V24**22
CSPH*2412A**	1.01	0.92	59*N*A120V24**22
CSPH*3012A**	1.01	0.89	59*N*A120V24**22
CAP**2414A**	0.99	0.97	59*P5A040E14**10
CAP**2417A**	0.99	0.97	59*P5A040E14**10
CAP**3014A**	1.00	0.98	59*P5A040E14**10
CAP**3017A**	1.00	0.98	59*P5A040E14**10
CNPH*2417A**	0.99	0.97	59*P5A040E14**10
CNPH*3017A**	1.00	0.98	59*P5A040E14**10
CNPH*3117A**	1.03	0.99	59*P5A040E14**10
CNPV*2414A**	0.99	0.97	59*P5A040E14**10
CNPV*2417A**	0.99	0.97	59*P5A040E14**10
CNPV*3014A**	1.00	0.98	59*P5A040E14**10
CNPV*3017A**	1.00	0.98	59*P5A040E14**10
CNPV*3117A**	1.03	0.99	59*P5A040E14**10
CSPH*2412A**	1.00	0.98	59*P5A040E14**10
CSPH*3012A**	1.01	0.97	59*P5A040E14**10
CAP**2417A**	0.99	0.91	59*P5A060E17**14
CAP**3017A**	1.00	0.92	59*P5A060E17**14
CNPH*2417A**	0.98	0.90	59*P5A060E17**14

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPH*3017A**	1.00	0.92	59*P5A060E17**14
CNPH*3117A**	1.02	0.90	59*P5A060E17**14
CNPV*2417A**	0.98	0.90	59*P5A060E17**14
CNPV*3017A**	1.00	0.92	59*P5A060E17**14
CNPV*3117A**	1.02	0.90	59*P5A060E17**14
CSPH*2412A**	0.99	0.91	59*P5A060E17**14
CSPH*3012A**	1.00	0.92	59*P5A060E17**14
CAP**2417A**	1.00	0.92	OVLAAB036098
CAP**3017A**	1.01	0.92	OVLAAB036098
CNPH*2417A**	1.00	0.92	OVLAAB036098
CNPH*3017A**	1.01	0.92	OVLAAB036098
CNPH*3117A**	1.02	0.93	OVLAAB036098
CNPV*2417A**	1.00	0.92	OVLAAB036098
CNPV*3017A**	1.01	0.92	OVLAAB036098
CNPV*3117A**	1.02	0.93	OVLAAB036098
CSPH*2412A**	1.01	0.92	OVLAAB036098
CSPH*3012A**	1.01	0.92	OVLAAB036098
CAP**2417A**	1.00	0.92	OVMAAB036098
CAP**3017A**	1.01	0.92	OVMAAB036098
CNPH*2417A**	1.00	0.92	OVMAAB036098
CNPH*3017A**	1.01	0.92	OVMAAB036098
CNPH*3117A**	1.02	0.93	OVMAAB036098
CNPV*2417A**	1.00	0.92	OVMAAB036098
CNPV*3017A**	1.01	0.92	OVMAAB036098
CNPV*3117A**	1.02	0.93	OVMAAB036098
CSPH*2412A**	1.01	0.92	OVMAAB036098
CSPH*3012A**	1.01	0.92	OVMAAB036098
CAP**2417A**	1.00	0.92	OVMAAB042112
CAP**3017A**	1.01	0.92	OVMAAB042112
CNPH*2417A**	1.00	0.92	OVMAAB042112
CNPH*3017A**	1.01	0.92	OVMAAB042112
CNPH*3117A**	1.02	0.93	OVMAAB042112
CNPV*2417A**	1.00	0.92	OVMAAB042112
CNPV*3017A**	1.01	0.92	OVMAAB042112
CNPV*3117A**	1.02	0.93	OVMAAB042112
CSPH*2412A**	1.01	0.92	OVMAAB042112
CSPH*3012A**	1.01	0.92	OVMAAB042112

See notes on pg. 67

DETAILED COOLING CAPACITIES* (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB °F (°C)	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38HDR030 Outdoor Section With CNPV*3014A** Indoor Section																			
875	72 (22.2)	33.74	16.03	2.06	32.29	15.52	2.29	30.76	14.99	2.54	29.12	14.43	2.81	27.36	13.84	3.11	25.42	13.19	3.44
	67(19.4)	30.65	19.58	2.06	29.32	19.06	2.29	27.90	18.51	2.54	26.39	17.94	2.81	24.76	17.34	3.11	22.97	16.69	3.43
	62 (16.7)	28.07	23.01	2.07	26.73	22.59	2.29	25.47	22.03	2.54	24.10	21.45	2.81	22.76	22.72	3.11	21.45	21.45	3.43
	57 (13.9)	27.14	27.14	2.07	26.16	26.16	2.29	25.11	25.11	2.53	24.01	24.01	2.80	22.78	22.78	3.11	21.43	21.43	3.43
1000	72(22.2)	34.29	16.79	2.11	32.87	16.29	2.34	31.28	15.69	2.58	29.58	15.18	2.86	27.57	14.54	3.17	25.64	13.91	3.49
	67(19.4)	31.27	20.81	2.11	29.84	20.29	2.34	28.40	19.75	2.58	26.82	19.17	2.86	24.99	18.52	3.16	23.21	17.87	3.49
	62 (16.7)	28.72	24.92	2.11	27.38	24.26	2.34	26.11	26.11	2.58	24.94	24.94	2.85	23.54	23.54	3.16	22.22	22.22	3.48
	57 (13.9)	28.28	28.28	2.11	27.23	27.23	2.34	26.13	26.13	2.58	24.94	24.94	2.85	23.54	23.54	3.16	22.22	22.22	3.48
1125	72 (22.2)	34.76	17.52	2.16	33.30	17.00	2.39	31.65	16.46	2.63	29.90	15.89	2.91	28.03	15.27	3.21	25.95	14.60	3.53
	67 (19.4)	31.86	21.48	2.16	30.25	21.46	2.38	28.76	20.92	2.63	27.14	20.32	2.90	25.39	19.69	3.21	23.44	18.98	3.54
	62 (16.7)	29.27	29.04	2.16	28.12	28.12	2.38	26.98	26.98	2.63	25.71	25.71	2.90	24.35	24.35	3.20	22.84	22.84	3.53
	57(13.9)	29.23	29.23	2.16	28.13	28.13	2.38	26.99	26.99	2.63	25.71	25.71	2.90	24.23	24.23	3.21	22.85	22.85	3.53

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*CNPV*3014A**	1.00	1.00	
CAP**3014A**	1.00	1.00	
CAP**3017A**	1.00	1.00	
CAP**3614A**	1.02	1.02	
CAP**3617A**	1.02	1.02	
CAP**3619A**	1.00	1.00	
CAP**3621A**	1.02	1.02	
CAP**4823A**	1.02	1.02	
CNPH*3017A**	1.00	1.00	
CNPH*3117A**	1.00	1.00	
CNPH*3617A**	1.02	1.02	
CNPV*3017A**	1.00	1.00	
CNPV*3117A**	1.00	1.00	
CNPV*3617A**	1.02	1.02	
CNPV*3621A**	1.02	1.02	
CNPV*3717A**	1.01	1.01	
CSPH*3012A**	1.00	1.00	
CSPH*3612A**	1.02	1.02	
FB4CNF030	1.01	0.93	
FB4CNF036	1.03	0.94	
FE4AN(B,F)003	1.02	0.98	
FE4AN(B,F)005	1.04	0.91	
FE4ANF002	1.02	0.98	
FF1ENP030	1.00	1.00	
FF1ENP031	1.01	0.93	
FF1ENP036	1.02	1.02	
FF1ENP037	1.02	0.94	
FV4CNF002	1.02	0.98	
FX4DN(B,F)031	1.01	0.89	
FX4DN(B,F)037	1.02	0.90	
FX4DN(B,F)043	1.02	0.94	
FY5BNF030	1.01	0.97	
FY5BNF036	1.03	0.98	
CAP**3014A**	1.00	0.96	58CV(A,X)070–12
CAP**3017A**	1.00	0.96	58CV(A,X)070–12
CAP**3614A**	1.02	0.98	58CV(A,X)070–12
CAP**3617A**	1.02	0.98	58CV(A,X)070–12
CNPH*3017A**	1.00	0.96	58CV(A,X)070–12
CNPH*3117A**	1.00	0.88	58CV(A,X)070–12
CNPH*3617A**	1.02	0.98	58CV(A,X)070–12

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPV*3014A**	1.00	0.96	58CV(A,X)070–12
CNPV*3017A**	1.00	0.96	58CV(A,X)070–12
CNPV*3617A**	1.02	0.98	58CV(A,X)070–12
CSPH*3012A**	1.00	0.96	58CV(A,X)070–12
CSPH*3612A**	1.02	0.98	58CV(A,X)070–12
CAP**3017A**	1.00	0.96	58CV(A,X)090–16
CAP**3617A**	1.02	0.98	58CV(A,X)090–16
CAP**3621A**	1.02	0.98	58CV(A,X)090–16
CNPH*3017A**	1.00	0.96	58CV(A,X)090–16
CNPH*3117A**	1.00	0.88	58CV(A,X)090–16
CNPH*3617A**	1.02	0.98	58CV(A,X)090–16
CNPV*3017A**	1.00	0.96	58CV(A,X)090–16
CNPV*3117A**	1.00	0.88	58CV(A,X)090–16
CNPV*3617A**	1.02	0.98	58CV(A,X)090–16
CNPV*3621A**	1.02	0.98	58CV(A,X)090–16
CNPV*3717A**	1.01	0.89	58CV(A,X)090–16
CSPH*3012A**	1.00	0.96	58CV(A,X)090–16
CSPH*3612A**	1.02	0.98	58CV(A,X)090–16
CAP**3621A**	1.02	0.98	58CV(A,X)110–20
CNPH*3017A**	1.00	0.96	58CV(A,X)110–20
CNPH*3117A**	1.00	0.88	58CV(A,X)110–20
CNPH*3617A**	1.02	0.98	58CV(A,X)110–20
CNPV*3621A**	1.02	0.98	58CV(A,X)110–20
CSPH*3012A**	1.00	0.96	58CV(A,X)110–20
CSPH*3612A**	1.02	0.98	58CV(A,X)110–20
CNPH*3017A**	1.00	0.96	58CV(A,X)135–22
CNPH*3117A**	1.00	0.88	58CV(A,X)135–22
CNPH*3617A**	1.02	0.98	58CV(A,X)135–22
CSPH*3012A**	1.00	0.96	58CV(A,X)135–22
CSPH*3612A**	1.02	0.98	58CV(A,X)135–22
CNPH*3017A**	1.00	0.96	58CV(A,X)155–22
CNPH*3117A**	1.00	0.88	58CV(A,X)155–22
CNPH*3617A**	1.02	0.98	58CV(A,X)155–22
CSPH*3012A**	1.00	0.96	58CV(A,X)155–22
CSPH*3612A**	1.02	0.98	58CV(A,X)155–22
CAP**3619A**	1.00	0.96	58HDV040– –12
CNPH*3017A**	1.00	0.96	58HDV040– –12
CNPH*3117A**	1.00	0.96	58HDV040– –12
CNPH*3617A**	1.01	0.97	58HDV040– –12
CNPV*3017A**	1.00	0.96	58HDV040– –12

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPV*3117A**	1.00	0.92	58HDV040– –12
CNPV*3617A**	1.01	0.97	58HDV040– –12
CNPV*3621A**	1.01	0.97	58HDV040– –12
CNPV*3717A**	1.01	0.93	58HDV040– –12
CSPH*3012A**	1.00	0.96	58HDV040– –12
CSPH*3612A**	1.01	0.93	58HDV040– –12
CAP**3619A**	1.00	0.96	58HDV060– –12
CNPH*3017A**	1.00	0.92	58HDV060– –12
CNPH*3117A**	1.00	0.96	58HDV060– –12
CNPH*3617A**	1.01	0.93	58HDV060– –12
CNPV*3017A**	1.00	0.92	58HDV060– –12
CNPV*3117A**	1.00	0.92	58HDV060– –12
CNPV*3617A**	1.01	0.97	58HDV060– –12
CNPV*3621A**	1.01	0.93	58HDV060– –12
CNPV*3717A**	1.01	0.93	58HDV060– –12
CSPH*3012A**	1.00	0.96	58HDV060– –12
CSPH*3612A**	1.01	0.93	58HDV060– –12
CAP**4823A**	1.02	0.90	58HDV080– –20
CNPH*3017A**	1.00	0.92	58HDV080– –20
CNPH*3117A**	1.00	0.92	58HDV080– –20
CNPH*3617A**	1.01	0.93	58HDV080– –20
CNPV*3621A**	1.00	0.92	58HDV080– –20
CSPH*3012A**	1.00	0.92	58HDV080– –20
CSPH*3612A**	1.01	0.89	58HDV080– –20
CNPH*3017A**	1.00	0.92	58HDV100– –20
CNPH*3117A**	1.00	0.92	58HDV100– –20
CNPH*3617A**	1.01	0.93	58HDV100– –20
CSPH*3012A**	1.00	0.92	58HDV100– –20
CSPH*3612A**	1.01	0.89	58HDV100– –20
CNPH*3117A**	1.00	0.88	58ME(B,C)060–12
CNPV*3117A**	1.00	0.88	58ME(B,C)060–12
CNPV*3717A**	1.01	0.89	58ME(B,C)060–12
CNPH*3117A**	1.00	0.88	58ME(B,C)080–12
CNPV*3117A**	1.00	0.88	58ME(B,C)080–12
CNPV*3717A**	1.01	0.89	58ME(B,C)080–12
CNPH*3117A**	1.00	0.88	58ME(B,C)080–16
CNPV*3117A**	1.00	0.88	58ME(B,C)080–16
CNPV*3717A**	1.01	0.89	58ME(B,C)080–16
CAP**3017A**	1.00	0.92	58MEB040–12
CAP**3617A**	1.02	0.94	58MEB040–12

DETAILED COOLING CAPACITIES* (CONT.)

38HDR030 Outdoor Section With CNPV*3014A Indoor Section**

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPH*3017A**	1.00	0.92	58MEB040–12
CNPH*3117A**	1.00	0.88	58MEB040–12
CNPH*3617A**	1.02	0.94	58MEB040–12
CNPV*3017A**	1.00	0.92	58MEB040–12
CNPV*3117A**	1.00	0.88	58MEB040–12
CNPV*3617A**	1.02	0.94	58MEB040–12
CNPV*3717A**	1.01	0.89	58MEB040–12
CSPH*3012A**	1.00	0.92	58MEB040–12
CSPH*3612A**	1.02	0.94	58MEB040–12
CAP**3017A**	1.00	0.92	58MEC060–12
CAP**3617A**	1.02	0.94	58MEC060–12
CNPH*3017A**	1.00	0.92	58MEC060–12
CNPH*3117A**	1.00	0.88	58MEC060–12
CNPH*3617A**	1.02	0.94	58MEC060–12
CNPV*3017A**	1.00	0.92	58MEC060–12
CNPV*3117A**	1.00	0.88	58MEC060–12
CNPV*3617A**	1.02	0.94	58MEC060–12
CNPV*3717A**	1.01	0.89	58MEC060–12
CSPH*3012A**	1.00	0.92	58MEC060–12
CSPH*3612A**	1.02	0.94	58MEC060–12
CAP**3017A**	1.00	0.92	58MEC080–12
CAP**3617A**	1.02	0.94	58MEC080–12
CNPH*3017A**	1.00	0.92	58MEC080–12
CNPH*3617A**	1.02	0.94	58MEC080–12
CNPV*3017A**	1.00	0.92	58MEC080–12
CNPV*3617A**	1.02	0.94	58MEC080–12
CSPH*3012A**	1.00	0.92	58MEC080–12
CSPH*3612A**	1.02	0.94	58MEC080–12
CAP**3017A**	1.00	0.92	58MEC080–16
CAP**3617A**	1.02	0.94	58MEC080–16
CNPH*3017A**	1.00	0.92	58MEC080–16
CNPH*3617A**	1.02	0.94	58MEC080–16
CNPV*3017A**	1.00	0.92	58MEC080–16
CNPV*3617A**	1.02	0.94	58MEC080–16
CSPH*3012A**	1.00	0.92	58MEC080–16
CSPH*3612A**	1.02	0.94	58MEC080–16
CAP**3017A**	1.00	0.96	58MV(B,C)060–14
CAP**3617A**	1.02	0.98	58MV(B,C)060–14
CAP**3621A**	1.02	0.98	58MV(B,C)060–14
CNPH*3017A**	1.00	0.96	58MV(B,C)060–14
CNPH*3117A**	1.00	0.88	58MV(B,C)060–14
CNPH*3617A**	1.02	0.98	58MV(B,C)060–14
CNPV*3017A**	1.00	0.96	58MV(B,C)060–14
CNPV*3117A**	1.00	0.88	58MV(B,C)060–14
CNPV*3117A**	1.00	0.88	58MV(B,C)060–14
CNPV*3617A**	1.02	0.98	58MV(B,C)060–14
CNPV*3621A**	1.02	0.98	58MV(B,C)060–14
CNPV*3717A**	1.01	0.89	58MV(B,C)060–14
CSPH*3012A**	1.00	0.96	58MV(B,C)060–14
CSPH*3612A**	1.02	0.98	58MV(B,C)060–14
CAP**3621A**	1.02	0.98	58MV(B,C)080–14
CNPH*3017A**	1.00	0.96	58MV(B,C)080–14
CNPH*3117A**	1.00	0.88	58MV(B,C)080–14
CNPH*3617A**	1.02	0.98	58MV(B,C)080–14
CNPV*3621A**	1.02	0.98	58MV(B,C)080–14
CSPH*3012A**	1.00	0.96	58MV(B,C)080–14

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CSPH*3612A**	1.02	0.98	58MV(B,C)080–14
CAP**3621A**	1.02	0.98	58MV(B,C)080–20
CNPH*3017A**	1.00	0.96	58MV(B,C)080–20
CNPH*3117A**	1.00	0.88	58MV(B,C)080–20
CNPH*3617A**	1.02	0.98	58MV(B,C)080–20
CNPV*3621A**	1.02	0.98	58MV(B,C)080–20
CSPH*3012A**	1.00	0.96	58MV(B,C)080–20
CSPH*3612A**	1.02	0.98	58MV(B,C)080–20
CAP**3621A**	1.02	0.98	58MV(B,C)100–20
CNPH*3017A**	1.00	0.96	58MV(B,C)100–20
CNPH*3117A**	1.00	0.88	58MV(B,C)100–20
CNPH*3617A**	1.01	0.97	58MV(B,C)100–20
CNPV*3621A**	1.01	0.97	58MV(B,C)100–20
CSPH*3012A**	1.00	0.96	58MV(B,C)100–20
CSPH*3612A**	1.02	0.98	58MV(B,C)100–20
CNPH*3017A**	1.00	0.96	58MV(B,C)120–20
CNPH*3117A**	1.00	0.88	58MV(B,C)120–20
CNPH*3617A**	1.02	0.98	58MV(B,C)120–20
CSPH*3012A**	1.00	0.96	58MV(B,C)120–20
CSPH*3612A**	1.02	0.98	58MV(B,C)120–20
CNPH*3117A**	1.00	0.88	58MVB040–14
CAP**3017A**	1.00	0.96	58PH*070–16
CAP**3617A**	1.02	0.94	58PH*070–16
CNPH*3017A**	1.00	0.96	58PH*070–16
CNPH*3117A**	1.00	0.92	58PH*070–16
CNPH*3617A**	1.02	0.94	58PH*070–16
CNPV*3017A**	1.00	0.96	58PH*070–16
CNPV*3117A**	1.00	0.92	58PH*070–16
CNPV*3617A**	1.02	0.94	58PH*070–16
CNPV*3717A**	1.01	0.89	58PH*070–16
CSPH*3012A**	1.00	0.96	58PH*070–16
CSPH*3612A**	1.02	0.94	58PH*070–16
CAP**3621A**	1.02	0.94	58PH*090–16
CNPH*3017A**	1.00	0.96	58PH*090–16
CNPH*3117A**	1.00	0.92	58PH*090–16
CNPH*3617A**	1.02	0.94	58PH*090–16
CNPV*3621A**	1.02	0.94	58PH*090–16
CSPH*3012A**	1.00	0.96	58PH*090–16
CSPH*3612A**	1.02	0.94	58PH*090–16
CNPV*3117A**	1.00	0.88	58UV(B,C)060–14
CNPV*3717A**	1.01	0.89	58UV(B,C)060–14
CAP**3017A**	1.00	0.96	58UVB060–14
CAP**3617A**	1.02	0.98	58UVB060–14
CAP**3621A**	1.02	0.98	58UVB060–14
CNPV*3017A**	1.00	0.96	58UVB060–14
CNPV*3117A**	1.00	0.88	58UVB060–14
CNPV*3617A**	1.02	0.98	58UVB060–14
CNPV*3621A**	1.02	0.98	58UVB060–14
CNPV*3717A**	1.01	0.89	58UVB060–14
CAP**3621A**	1.02	0.98	58UVB080–14
CNPV*3621A**	1.02	0.98	58UVB080–14
CAP**3621A**	1.02	0.98	58UVB080–20
CNPV*3621A**	1.02	0.98	58UVB080–20
CAP**3621A**	1.02	0.98	58UVB100–20
CNPV*3621A**	1.01	0.97	58UVB100–20
CAP**3017A**	1.00	0.92	58VLR105–12

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CAP**3617A**	1.01	0.93	58VLR105–12
CNPH*3017A**	1.00	0.92	58VLR105–12
CNPH*3117A**	1.00	0.92	58VLR105–12
CNPH*3617A**	1.01	0.93	58VLR105–12
CNPV*3017A**	1.00	0.92	58VLR105–12
CNPV*3117A**	1.00	0.92	58VLR105–12
CNPV*3617A**	1.01	0.93	58VLR105–12
CNPV*3717A**	1.01	0.93	58VLR105–12
CSPH*3012A**	1.00	0.92	58VLR105–12
CSPH*3612A**	1.01	0.93	58VLR105–12
CAP**3017A**	1.00	0.92	58VMR105–12
CAP**3617A**	1.01	0.93	58VMR105–12
CNPH*3017A**	1.00	0.92	58VMR105–12
CNPH*3117A**	1.00	0.92	58VMR105–12
CNPH*3617A**	1.01	0.93	58VMR105–12
CNPV*3017A**	1.00	0.92	58VMR105–12
CNPV*3117A**	1.00	0.92	58VMR105–12
CNPV*3617A**	1.01	0.93	58VMR105–12
CNPV*3717A**	1.01	0.93	58VMR105–12
CSPH*3012A**	1.00	0.92	58VMR105–12
CSPH*3612A**	1.00	0.92	58VMR105–12
CAP**3017A**	1.01	0.93	59*N*A060V17**14
CAP**3617A**	1.02	0.94	59*N*A060V17**14
CAP**3619A**	1.02	0.94	59*N*A060V17**14
CAP**3621A**	1.02	0.94	59*N*A060V17**14
CNPH*3017A**	1.01	0.93	59*N*A060V17**14
CNPH*3117A**	1.04	0.92	59*N*A060V17**14
CNPH*3617A**	1.01	0.93	59*N*A060V17**14
CNPV*3017A**	1.01	0.93	59*N*A060V17**14
CNPV*3117A**	1.04	0.92	59*N*A060V17**14
CNPV*3617A**	1.01	0.93	59*N*A060V17**14
CNPV*3621A**	1.01	0.93	59*N*A060V17**14
CNPV*3717A**	1.05	0.92	59*N*A060V17**14
CSPH*3012A**	1.02	0.94	59*N*A060V17**14
CSPH*3612A**	1.04	0.95	59*N*A060V17**14
CAP**3017A**	1.02	0.94	59*N*A080V17**14
CAP**3617A**	1.02	0.94	59*N*A080V17**14
CAP**3619A**	1.02	0.94	59*N*A080V17**14
CAP**3621A**	1.02	0.94	59*N*A080V17**14
CNPH*3017A**	1.02	0.94	59*N*A080V17**14
CNPH*3117A**	1.04	0.92	59*N*A080V17**14
CNPH*3617A**	1.02	0.94	59*N*A080V17**14
CNPV*3017A**	1.02	0.94	59*N*A080V17**14
CNPV*3117A**	1.04	0.92	59*N*A080V17**14
CNPV*3617A**	1.02	0.94	59*N*A080V17**14
CNPV*3621A**	1.02	0.94	59*N*A080V17**14
CNPV*3717A**	1.06	0.93	59*N*A080V17**14
CSPH*3012A**	1.03	0.94	59*N*A080V17**14
CSPH*3612A**	1.04	0.92	59*N*A080V17**14
CAP**3619A**	1.03	0.94	59*N*A100V21**20
CAP**3621A**	1.03	0.91	59*N*A100V21**20
CNPH*3017A**	1.03	0.94	59*N*A100V21**20
CNPH*3117A**	1.05	0.92	59*N*A100V21**20
CNPH*3617A**	1.03	0.94	59*N*A100V21**20
CNPV*3621A**	1.03	0.94	59*N*A100V21**20
CSPH*3012A**	1.04	0.95	59*N*A100V21**20

DETAILED COOLING CAPACITIES* (CONT.)

38HDR030 Outdoor Section With CNPV*3014A Indoor Section**

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CSPH*3612A**	1.05	0.92	59*N*A100V21**20
CNPH*3017A**	1.02	0.94	59*N*A120V24**22
CNPH*3117A**	1.05	0.92	59*N*A120V24**22
CNPH*3617A**	1.02	0.94	59*N*A120V24**22
CSPH*3012A**	1.03	0.91	59*N*A120V24**22
CSPH*3612A**	1.05	0.92	59*N*A120V24**22
CAP**3017A**	1.02	0.94	59*P5A060E17**14
CAP**3617A**	1.03	0.94	59*P5A060E17**14
CAP**3619A**	1.03	0.94	59*P5A060E17**14
CAP**3621A**	1.03	0.94	59*P5A060E17**14
CNPH*3017A**	1.02	0.94	59*P5A060E17**14
CNPH*3117A**	1.05	0.92	59*P5A060E17**14
CNPH*3617A**	1.02	0.94	59*P5A060E17**14
CNPV*3017A**	1.02	0.94	59*P5A060E17**14
CNPV*3117A**	1.05	0.92	59*P5A060E17**14
CNPV*3617A**	1.02	0.94	59*P5A060E17**14
CNPV*3621A**	1.02	0.94	59*P5A060E17**14
CNPV*3717A**	1.06	0.94	59*P5A060E17**14
CSPH*3012A**	1.03	0.94	59*P5A060E17**14
CSPH*3612A**	1.05	0.92	59*P5A060E17**14
CAP**3017A**	1.03	0.94	59*P5A080E17**16
CAP**3617A**	1.04	0.95	59*P5A080E17**16
CAP**3619A**	1.04	0.95	59*P5A080E17**16
CAP**3621A**	1.04	0.95	59*P5A080E17**16
CNPH*3017A**	1.03	0.94	59*P5A080E17**16
CNPH*3117A**	1.06	0.93	59*P5A080E17**16
CNPH*3617A**	1.03	0.94	59*P5A080E17**16
CNPV*3017A**	1.03	0.94	59*P5A080E17**16
CNPV*3117A**	1.06	0.93	59*P5A080E17**16
CNPV*3617A**	1.03	0.94	59*P5A080E17**16
CNPV*3621A**	1.03	0.94	59*P5A080E17**16
CNPV*3717A**	1.07	0.94	59*P5A080E17**16
CSPH*3012A**	1.04	0.95	59*P5A080E17**16
CSPH*3612A**	1.06	0.93	59*P5A080E17**16
CAP**3017A**	1.00	0.92	OVLAAB036098
CAP**3617A**	1.01	0.93	OVLAAB036098
CNPH*3017A**	1.00	0.92	OVLAAB036098
CNPH*3117A**	1.00	0.92	OVLAAB036098
CNPH*3617A**	1.01	0.93	OVLAAB036098
CNPV*3017A**	1.00	0.92	OVLAAB036098
CNPV*3117A**	1.00	0.92	OVLAAB036098
CNPV*3617A**	1.01	0.93	OVLAAB036098
CNPV*3717A**	1.01	0.93	OVLAAB036098
CSPH*3012A**	1.00	0.92	OVLAAB036098
CSPH*3612A**	1.01	0.93	OVLAAB036098
CAP**3621A**	1.01	0.93	OVLAAB048112
CNPH*3017A**	1.00	0.92	OVLAAB048112
CNPH*3117A**	1.00	0.92	OVLAAB048112
CNPH*3617A**	1.01	0.93	OVLAAB048112
CNPV*3621A**	1.01	0.93	OVLAAB048112
CSPH*3012A**	1.00	0.92	OVLAAB048112
CSPH*3612A**	1.01	0.93	OVLAAB048112
CAP**3017A**	1.00	0.92	OVMAAB036098
CAP**3617A**	1.01	0.93	OVMAAB036098
CNPH*3017A**	1.00	0.92	OVMAAB036098
CNPH*3117A**	1.00	0.92	OVMAAB036098

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPH*3617A**	1.01	0.93	OVMAAB036098
CNPV*3017A**	1.00	0.92	OVMAAB036098
CNPV*3117A**	1.00	0.92	OVMAAB036098
CNPV*3617A**	1.01	0.93	OVMAAB036098
CNPV*3717A**	1.01	0.93	OVMAAB036098
CSPH*3012A**	1.00	0.92	OVMAAB036098
CSPH*3612A**	1.01	0.93	OVMAAB036098
CAP**3017A**	1.00	0.92	OVMAAB042112
CAP**3617A**	1.01	0.93	OVMAAB042112
CNPH*3017A**	1.00	0.92	OVMAAB042112
CNPH*3117A**	1.00	0.92	OVMAAB042112
CNPH*3617A**	1.01	0.93	OVMAAB042112
CNPV*3017A**	1.00	0.92	OVMAAB042112
CNPV*3117A**	1.00	0.92	OVMAAB042112
CNPV*3617A**	1.01	0.93	OVMAAB042112
CNPV*3717A**	1.01	0.93	OVMAAB042112
CSPH*3012A**	1.00	0.92	OVMAAB042112
CSPH*3612A**	1.01	0.93	OVMAAB042112

See notes on pg. 67

DETAILED COOLING CAPACITIES* (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB °F (°C)	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38HDR036 Outdoor Section With CNPV*4221A** Indoor Section																			
1050	72 (22.2)	39.85	18.85	2.42	38.03	18.23	2.68	36.08	17.58	2.98	33.99	16.89	3.30	31.72	16.14	3.65	29.20	15.33	4.03
	67(19.4)	36.33	23.19	2.42	34.67	22.57	2.68	32.91	21.91	2.98	31.02	21.23	3.30	28.99	20.49	3.65	26.73	19.69	4.04
	62 (16.7)	33.23	27.51	2.42	31.75	26.88	2.68	30.20	26.20	2.98	28.60	28.45	3.30	27.06	27.06	3.65	25.34	25.34	4.03
	57 (13.9)	32.46	32.46	2.42	31.26	31.26	2.68	29.98	29.98	2.98	28.59	28.59	3.30	27.06	27.06	3.65	25.34	25.34	4.03
1200	72(22.2)	40.51	19.77	2.48	38.61	19.14	2.74	36.57	18.47	3.04	34.40	17.77	3.36	32.04	17.01	3.71	29.42	16.18	4.09
	67(19.4)	36.97	24.67	2.48	35.23	24.04	2.74	33.40	23.38	3.04	31.45	22.68	3.36	29.33	21.93	3.71	27.00	21.10	4.09
	62 (16.7)	34.01	29.52	2.48	32.53	32.23	2.74	31.11	31.11	3.04	29.61	29.61	3.36	27.97	27.97	3.71	26.12	26.12	4.09
	57 (13.9)	33.78	33.78	2.48	32.49	32.49	2.74	31.11	31.11	3.04	29.62	29.62	3.36	27.97	27.97	3.71	26.12	26.12	4.09
1350	72 (22.2)	40.99	20.64	2.54	39.02	19.99	2.80	36.91	19.31	3.09	34.67	18.60	3.42	32.24	17.83	3.77	29.54	16.99	4.15
	67 (19.4)	37.43	26.09	2.54	35.65	25.45	2.80	33.76	24.78	3.10	31.75	24.06	3.42	29.58	23.29	3.77	27.20	22.42	4.15
	62 (16.7)	34.86	34.86	2.54	33.49	33.49	2.80	32.02	32.02	3.10	30.44	30.44	3.42	28.70	28.70	3.77	26.73	26.73	4.15
	57(13.9)	34.86	34.86	2.54	33.49	33.49	2.80	32.03	32.03	3.10	30.44	30.44	3.42	28.70	28.70	3.77	26.73	26.73	4.15

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*CNPV*4221A**	1.00	1.00	
CAP**3614A**	0.98	0.98	
CAP**3617A**	0.99	0.99	
CAP**3619A**	0.99	0.99	
CAP**3621A**	0.99	0.99	
CAP**4221A**	1.00	1.00	
CAP**4224A**	1.00	1.00	
CAP**4823A**	1.02	1.02	
CNPH*3617A**	0.99	0.99	
CNPH*4221A**	1.00	1.00	
CNPH*4321A**	1.01	1.01	
CNPH*4321A**	1.01	1.01	
CNPV*3617A**	0.99	0.99	
CNPV*3621A**	0.99	0.99	
CNPV*3717A**	1.00	1.00	
CNPV*4217A**	1.00	1.00	
CNPV*4324A**	1.01	1.01	
CSPH*3612A**	0.99	0.99	
CSPH*4212A**	1.00	1.00	
FB4CNF036	1.00	0.96	
FB4CNF042	1.03	0.94	
FE4AN(B,F)003	0.99	0.95	
FE4AN(B,F)005	1.00	0.88	
FE4ANB006	1.00	0.88	
FE4ANF002	0.99	0.95	
FF1ENP036	0.99	0.99	
FF1ENP037	1.00	1.00	
FV4CNB006	1.00	0.88	
FV4CNF002	0.99	0.95	
FX4DN(B,F)037	1.01	0.89	
FX4DN(B,F)043	1.01	0.89	
FX4DN(B,F)049	1.02	0.90	
FY5BNF036	1.00	0.96	
FY5BNF042	1.03	0.94	
CAP**3614A**	0.98	0.93	58CV(A,X)070–12
CAP**3617A**	0.99	0.95	58CV(A,X)070–12
CNPH*3617A**	0.99	0.95	58CV(A,X)070–12
CNPH*4221A**	1.00	0.96	58CV(A,X)070–12
CNPH*4321A**	1.01	0.89	58CV(A,X)070–12
CNPV*3617A**	0.99	0.95	58CV(A,X)070–12

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CSPH*3612A**	0.99	0.95	58CV(A,X)070–12
CSPH*4212A**	1.00	0.96	58CV(A,X)070–12
CAP**3617A**	0.99	0.95	58CV(A,X)090–16
CAP**3621A**	0.99	0.95	58CV(A,X)090–16
CAP**4221A**	1.00	0.96	58CV(A,X)090–16
CNPH*3617A**	0.99	0.95	58CV(A,X)090–16
CNPH*4221A**	1.00	0.96	58CV(A,X)090–16
CNPH*4321A**	1.01	0.89	58CV(A,X)090–16
CNPV*3617A**	0.99	0.95	58CV(A,X)090–16
CNPV*3621A**	0.99	0.95	58CV(A,X)090–16
CNPV*3717A**	1.00	0.88	58CV(A,X)090–16
CNPV*4217A**	1.00	0.92	58CV(A,X)090–16
CNPV*4221A**	1.00	0.96	58CV(A,X)090–16
CSPH*3612A**	0.99	0.95	58CV(A,X)090–16
CSPH*4212A**	1.00	0.96	58CV(A,X)090–16
CAP**3621A**	0.99	0.95	58CV(A,X)110–20
CAP**4221A**	1.00	0.96	58CV(A,X)110–20
CAP**4224A**	1.00	0.96	58CV(A,X)110–20
CNPH*3617A**	0.99	0.95	58CV(A,X)110–20
CNPH*4221A**	1.00	0.96	58CV(A,X)110–20
CNPH*4321A**	1.01	0.89	58CV(A,X)110–20
CNPV*3621A**	0.99	0.95	58CV(A,X)110–20
CNPV*4221A**	1.00	0.96	58CV(A,X)110–20
CSPH*3612A**	0.99	0.95	58CV(A,X)110–20
CSPH*4212A**	1.00	0.96	58CV(A,X)110–20
CAP**4224A**	1.00	0.96	58CV(A,X)135–22
CNPH*3617A**	0.99	0.95	58CV(A,X)135–22
CNPH*4221A**	1.00	0.96	58CV(A,X)135–22
CNPH*4321A**	1.01	0.89	58CV(A,X)135–22
CNPV*4324A**	1.01	0.89	58CV(A,X)135–22
CSPH*3612A**	0.99	0.95	58CV(A,X)135–22
CSPH*4212A**	1.00	0.96	58CV(A,X)135–22
CAP**4224A**	1.00	0.96	58CV(A,X)155–22
CNPH*3617A**	0.99	0.95	58CV(A,X)155–22
CNPH*4221A**	1.00	0.96	58CV(A,X)155–22
CNPH*4321A**	1.01	0.89	58CV(A,X)155–22
CNPV*4324A**	1.01	0.89	58CV(A,X)155–22
CSPH*3612A**	0.99	0.95	58CV(A,X)155–22
CSPH*4212A**	1.00	0.96	58CV(A,X)155–22
CAP**3619A**	0.99	0.99	58HDV040––12

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPH*3617A**	0.99	0.95	58HDV040––12
CNPH*4321A**	1.01	0.97	58HDV040––12
CNPV*3617A**	0.99	0.95	58HDV040––12
CNPV*3621A**	0.99	0.95	58HDV040––12
CNPV*3717A**	1.00	0.92	58HDV040––12
CNPV*4217A**	1.00	0.96	58HDV040––12
CNPV*4221A**	1.00	0.96	58HDV040––12
CSPH*3612A**	1.00	0.96	58HDV040––12
CSPH*4212A**	1.01	0.97	58HDV040––12
CAP**3619A**	0.99	0.95	58HDV060––12
CNPH*3617A**	0.99	0.95	58HDV060––12
CNPH*4321A**	1.01	0.97	58HDV060––12
CNPV*3617A**	0.99	0.95	58HDV060––12
CNPV*3621A**	0.99	0.95	58HDV060––12
CNPV*3717A**	1.00	0.92	58HDV060––12
CNPV*4217A**	1.00	0.92	58HDV060––12
CNPV*4221A**	1.00	0.96	58HDV060––12
CSPH*3612A**	1.00	0.92	58HDV060––12
CSPH*4212A**	1.01	0.93	58HDV060––12
CAP**4823A**	1.02	0.90	58HDV080––20
CNPH*3617A**	0.99	0.91	58HDV080––20
CNPH*4321A**	1.01	0.93	58HDV080––20
CNPV*3621A**	0.99	0.91	58HDV080––20
CNPV*4221A**	1.00	0.92	58HDV080––20
CNPV*4324A**	1.01	0.93	58HDV080––20
CSPH*3612A**	1.00	0.92	58HDV080––20
CSPH*4212A**	1.01	0.89	58HDV080––20
CAP**4224A**	1.00	0.92	58HDV100––20
CNPH*3617A**	0.99	0.91	58HDV100––20
CNPH*4321A**	1.01	0.93	58HDV100––20
CNPV*4324A**	1.01	0.89	58HDV100––20
CNPV*4324A**	1.01	0.89	58HDV100––20
CNPV*4324A**	1.01	0.89	58HDV100––20
CNPV*4324A**	1.01	0.89	58HDV100––20
CSPH*3612A**	1.00	0.92	58HDV100––20
CSPH*4212A**	1.01	0.89	58HDV100––20
CNPH*4321A**	1.01	0.89	58ME(B,C)060–12
CNPV*3717A**	1.00	0.88	58ME(B,C)060–12
CNPH*4321A**	1.01	0.89	58ME(B,C)080–12
CNPV*3717A**	1.00	0.88	58ME(B,C)080–12

DETAILED COOLING CAPACITIES* (CONT.)

38HDR036 Outdoor Section With CNPV*4221A Indoor Section**

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPH*4321A**	1.01	0.89	58ME(B,C)080–16
CNPV*3717A**	1.00	0.88	58ME(B,C)080–16
CNPH*4321A**	1.01	0.89	58ME(B,C)100–20
CAP**3617A**	0.99	0.91	58MEB040–12
CNPH*3617A**	0.99	0.91	58MEB040–12
CNPH*4221A**	1.00	0.92	58MEB040–12
CNPH*4321A**	1.01	0.89	58MEB040–12
CNPV*3617A**	0.99	0.91	58MEB040–12
CNPV*3717A**	1.00	0.88	58MEB040–12
CNPV*4217A**	1.00	0.92	58MEB040–12
CSPH*3612A**	0.99	0.91	58MEB040–12
CSPH*4212A**	1.00	0.92	58MEB040–12
CAP**3617A**	0.99	0.91	58MEC060–12
CNPH*3617A**	0.99	0.91	58MEC060–12
CNPH*4221A**	1.00	0.92	58MEC060–12
CNPH*4321A**	1.01	0.89	58MEC060–12
CNPV*3617A**	0.99	0.91	58MEC060–12
CNPV*3717A**	1.00	0.88	58MEC060–12
CNPV*4217A**	1.00	0.92	58MEC060–12
CSPH*3612A**	0.99	0.91	58MEC060–12
CSPH*4212A**	1.00	0.92	58MEC060–12
CAP**3617A**	0.99	0.91	58MEC080–12
CNPH*3617A**	0.99	0.91	58MEC080–12
CNPH*4221A**	1.00	0.92	58MEC080–12
CNPV*3617A**	0.99	0.91	58MEC080–12
CNPV*4217A**	1.00	0.92	58MEC080–12
CSPH*3612A**	0.99	0.91	58MEC080–12
CSPH*4212A**	1.00	0.92	58MEC080–12
CAP**3617A**	0.99	0.91	58MEC080–16
CNPH*3617A**	0.99	0.91	58MEC080–16
CNPH*4221A**	1.00	0.92	58MEC080–16
CNPV*3617A**	0.99	0.91	58MEC080–16
CNPV*4217A**	1.00	0.92	58MEC080–16
CSPH*3612A**	0.99	0.91	58MEC080–16
CSPH*4212A**	1.00	0.92	58MEC080–16
CAP**3621A**	0.99	0.91	58MEC100–20
CAP**4221A**	1.00	0.92	58MEC100–20
CNPH*3617A**	0.99	0.91	58MEC100–20
CNPH*4221A**	1.00	0.92	58MEC100–20
CNPH*4321A**	1.01	0.89	58MEC100–20
CNPV*3621A**	0.99	0.91	58MEC100–20
CNPV*4221A**	1.00	0.92	58MEC100–20
CSPH*3612A**	0.99	0.91	58MEC100–20
CSPH*4212A**	1.00	0.92	58MEC100–20
CAP**3617A**	0.99	0.95	58MV(B,C)060–14
CAP**3621A**	0.99	0.95	58MV(B,C)060–14
CAP**4221A**	1.00	0.96	58MV(B,C)060–14
CNPH*3617A**	0.99	0.95	58MV(B,C)060–14
CNPH*4221A**	1.00	0.96	58MV(B,C)060–14
CNPH*4321A**	1.01	0.89	58MV(B,C)060–14
CNPV*3617A**	0.99	0.95	58MV(B,C)060–14
CNPV*3621A**	0.99	0.95	58MV(B,C)060–14
CNPV*3717A**	1.00	0.92	58MV(B,C)060–14
CNPV*4217A**	1.00	0.92	58MV(B,C)060–14
CNPV*4221A**	1.00	0.96	58MV(B,C)060–14
CSPH*3612A**	0.99	0.95	58MV(B,C)060–14

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CSPH*4212A**	1.00	0.96	58MV(B,C)060–14
CAP**3621A**	0.99	0.95	58MV(B,C)080–14
CAP**4221A**	1.00	0.96	58MV(B,C)080–14
CAP**4224A**	1.00	0.96	58MV(B,C)080–14
CNPH*3617A**	0.99	0.95	58MV(B,C)080–14
CNPH*4221A**	1.00	0.96	58MV(B,C)080–14
CNPH*4321A**	1.01	0.89	58MV(B,C)080–14
CNPV*3621A**	0.99	0.95	58MV(B,C)080–14
CNPV*4221A**	1.00	0.96	58MV(B,C)080–14
CSPH*3612A**	0.99	0.95	58MV(B,C)080–14
CSPH*4212A**	1.00	0.96	58MV(B,C)080–14
CAP**3621A**	0.99	0.95	58MV(B,C)080–20
CAP**4221A**	1.00	0.96	58MV(B,C)080–20
CAP**4224A**	1.00	0.96	58MV(B,C)080–20
CNPH*3617A**	0.99	0.95	58MV(B,C)080–20
CNPH*4221A**	1.00	0.96	58MV(B,C)080–20
CNPH*4321A**	1.01	0.89	58MV(B,C)080–20
CNPV*3621A**	0.99	0.95	58MV(B,C)080–20
CNPV*4221A**	1.00	0.96	58MV(B,C)080–20
CSPH*3612A**	0.99	0.95	58MV(B,C)080–20
CSPH*4212A**	1.00	0.96	58MV(B,C)080–20
CAP**3621A**	0.99	0.95	58MV(B,C)100–20
CAP**4221A**	1.00	0.96	58MV(B,C)100–20
CAP**4224A**	1.00	0.96	58MV(B,C)100–20
CNPH*3617A**	0.99	0.95	58MV(B,C)100–20
CNPH*4221A**	1.00	0.96	58MV(B,C)100–20
CNPH*4321A**	1.01	0.89	58MV(B,C)100–20
CNPV*3621A**	0.99	0.95	58MV(B,C)100–20
CNPV*4221A**	1.00	0.96	58MV(B,C)100–20
CSPH*3612A**	0.99	0.95	58MV(B,C)100–20
CSPH*4212A**	1.00	0.96	58MV(B,C)100–20
CAP**4224A**	1.00	0.96	58MV(B,C)120–20
CNPH*3617A**	0.99	0.95	58MV(B,C)120–20
CNPH*4221A**	1.00	0.96	58MV(B,C)120–20
CNPH*4321A**	1.01	0.89	58MV(B,C)120–20
CNPV*4324A**	1.01	0.89	58MV(B,C)120–20
CSPH*3612A**	0.99	0.95	58MV(B,C)120–20
CSPH*4212A**	1.00	0.96	58MV(B,C)120–20
CNPH*4321A**	1.01	0.89	58MVB040–14
CNPV*4324A**	1.01	0.89	58MVB040–14
CAP**3614A**	0.99	0.95	58PH*045–08
CNPH*3617A**	0.99	0.95	58PH*045–08
CNPH*4221A**	1.00	0.96	58PH*045–08
CNPH*4321A**	1.01	0.93	58PH*045–08
CSPH*3612A**	0.99	0.95	58PH*045–08
CSPH*4212A**	1.00	0.96	58PH*045–08
CAP**3617A**	0.99	0.95	58PH*070–16
CNPH*3617A**	0.99	0.95	58PH*070–16
CNPH*4221A**	1.00	0.96	58PH*070–16
CNPH*4321A**	1.01	0.89	58PH*070–16
CNPV*3617A**	0.99	0.95	58PH*070–16
CNPV*3717A**	1.00	0.88	58PH*070–16
CNPV*4217A**	1.00	0.92	58PH*070–16
CSPH*3612A**	0.99	0.95	58PH*070–16
CSPH*4212A**	1.00	0.96	58PH*070–16
CAP**3621A**	0.99	0.91	58PH*090–16

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CAP**4221A**	1.00	0.92	58PH*090–16
CNPH*3617A**	0.99	0.91	58PH*090–16
CNPH*4221A**	1.00	0.92	58PH*090–16
CNPH*4321A**	1.01	0.89	58PH*090–16
CNPV*3621A**	0.99	0.91	58PH*090–16
CNPV*4221A**	1.00	0.92	58PH*090–16
CSPH*3612A**	0.99	0.91	58PH*090–16
CSPH*4212A**	1.00	0.92	58PH*090–16
CAP**3621A**	0.99	0.91	58PH*110–20
CAP**4221A**	1.00	0.92	58PH*110–20
CNPH*3617A**	0.99	0.91	58PH*110–20
CNPH*4221A**	1.00	0.92	58PH*110–20
CNPH*4321A**	1.01	0.89	58PH*110–20
CNPV*3621A**	0.99	0.91	58PH*110–20
CNPV*4221A**	1.00	0.92	58PH*110–20
CSPH*3612A**	0.99	0.91	58PH*110–20
CSPH*4212A**	1.00	0.92	58PH*110–20
CNPV*3717A**	1.00	0.92	58UV(B,C)060–14
CNPV*4324A**	1.01	0.89	58UV(B,C)120–20
CAP**3617A**	0.99	0.95	58UVB060–14
CAP**3621A**	0.99	0.95	58UVB060–14
CAP**4221A**	1.00	0.96	58UVB060–14
CNPV*3617A**	0.99	0.95	58UVB060–14
CNPV*3621A**	0.99	0.95	58UVB060–14
CNPV*3717A**	1.00	0.92	58UVB060–14
CNPV*4217A**	1.00	0.92	58UVB060–14
CNPV*4221A**	1.00	0.96	58UVB060–14
CAP**3621A**	0.99	0.95	58UVB080–14
CAP**4221A**	1.00	0.96	58UVB080–14
CAP**4224A**	1.00	0.96	58UVB080–14
CNPV*3621A**	0.99	0.95	58UVB080–14
CNPV*4221A**	1.00	0.96	58UVB080–14
CAP**3621A**	0.99	0.95	58UVB080–20
CAP**4221A**	1.00	0.96	58UVB080–20
CAP**4224A**	1.00	0.96	58UVB080–20
CNPV*3621A**	0.99	0.95	58UVB080–20
CNPV*4221A**	1.00	0.96	58UVB080–20
CAP**3621A**	0.99	0.95	58UVB100–20
CAP**4221A**	1.00	0.96	58UVB100–20
CAP**4224A**	1.00	0.96	58UVB100–20
CNPV*3621A**	0.99	0.95	58UVB100–20
CNPV*4221A**	1.00	0.96	58UVB100–20
CAP**4224A**	1.00	0.96	58UVB120–20
CNPV*4324A**	1.01	0.89	58UVB120–20
CAP**3617A**	0.99	0.91	58VLR105–12
CNPH*3617A**	0.99	0.91	58VLR105–12
CNPH*4221A**	1.00	0.92	58VLR105–12
CNPH*4321A**	1.01	0.93	58VLR105–12
CNPV*3617A**	0.99	0.91	58VLR105–12
CNPV*3717A**	1.00	0.92	58VLR105–12
CNPV*4217A**	1.00	0.92	58VLR105–12
CSPH*3612A**	0.99	0.91	58VLR105–12
CSPH*4212A**	1.00	0.92	58VLR105–12
CAP**3621A**	0.99	0.91	58VLR120–20
CAP**4221A**	1.00	0.92	58VLR120–20
CNPH*3617A**	0.99	0.91	58VLR120–20

DETAILED COOLING CAPACITIES* (CONT.)

38HDR036 Outdoor Section With CNPV*4221A Indoor Section**

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPH*4221A**	1.00	0.92	58VLR120–20
CNPH*4321A**	1.01	0.93	58VLR120–20
CNPV*3621A**	0.99	0.91	58VLR120–20
CNPV*4221A**	1.00	0.92	58VLR120–20
CSPH*3612A**	0.99	0.91	58VLR120–20
CSPH*4212A**	1.00	0.92	58VLR120–20
CAP**3617A**	0.99	0.91	58VMR105–12
CNPH*3617A**	0.99	0.91	58VMR105–12
CNPH*4221A**	1.00	0.92	58VMR105–12
CNPH*4321A**	1.01	0.93	58VMR105–12
CNPV*3617A**	0.99	0.91	58VMR105–12
CNPV*3717A**	1.00	0.92	58VMR105–12
CNPV*4217A**	1.00	0.92	58VMR105–12
CSPH*3612A**	0.99	0.91	58VMR105–12
CSPH*4212A**	1.00	0.92	58VMR105–12
CAP**3621A**	0.99	0.91	58VMR120–20
CAP**4221A**	1.00	0.92	58VMR120–20
CNPH*3617A**	0.99	0.91	58VMR120–20
CNPH*4221A**	1.00	0.92	58VMR120–20
CNPH*4321A**	1.01	0.93	58VMR120–20
CNPV*3621A**	0.99	0.91	58VMR120–20
CNPV*4221A**	1.00	0.92	58VMR120–20
CSPH*3612A**	0.99	0.91	58VMR120–20
CSPH*4212A**	1.00	0.92	58VMR120–20
CAP**3617A**	0.98	0.90	59*N*A060V17**14
CAP**3619A**	0.98	0.90	59*N*A060V17**14
CAP**3621A**	0.98	0.90	59*N*A060V17**14
CAP**4221A**	0.99	0.91	59*N*A060V17**14
CNPH*3617A**	0.90	0.84	59*N*A060V17**14
CNPH*4221A**	0.99	0.91	59*N*A060V17**14
CNPH*4321A**	1.02	0.90	59*N*A060V17**14
CNPV*3617A**	0.90	0.84	59*N*A060V17**14
CNPV*3621A**	0.90	0.84	59*N*A060V17**14
CNPV*3717A**	1.01	0.89	59*N*A060V17**14
CNPV*4217A**	0.99	0.91	59*N*A060V17**14
CNPV*4221A**	0.99	0.91	59*N*A060V17**14
CSPH*3612A**	1.00	0.92	59*N*A060V17**14
CSPH*4212A**	1.01	0.89	59*N*A060V17**14
CAP**3617A**	0.98	0.90	59*N*A080V17**14
CAP**3619A**	0.98	0.90	59*N*A080V17**14
CAP**3621A**	0.99	0.91	59*N*A080V17**14
CAP**4221A**	0.99	0.91	59*N*A080V17**14
CNPH*3617A**	0.98	0.90	59*N*A080V17**14
CNPH*4221A**	0.99	0.91	59*N*A080V17**14
CNPH*4321A**	1.02	0.90	59*N*A080V17**14
CNPV*3617A**	0.98	0.90	59*N*A080V17**14
CNPV*3621A**	0.98	0.90	59*N*A080V17**14
CNPV*3717A**	1.02	0.90	59*N*A080V17**14
CNPV*4217A**	1.00	0.92	59*N*A080V17**14
CNPV*4221A**	0.99	0.91	59*N*A080V17**14
CSPH*3612A**	1.01	0.89	59*N*A080V17**14
CSPH*4212A**	1.01	0.89	59*N*A080V17**14
CAP**3619A**	0.99	0.91	59*N*A100V21**20
CAP**3621A**	0.99	0.91	59*N*A100V21**20
CAP**4221A**	0.99	0.87	59*N*A100V21**20
CAP**4224A**	0.99	0.87	59*N*A100V21**20

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPH*3617A**	0.99	0.91	59*N*A100V21**20
CNPH*4221A**	0.99	0.91	59*N*A100V21**20
CNPH*4321A**	1.02	0.90	59*N*A100V21**20
CNPV*3621A**	0.99	0.91	59*N*A100V21**20
CNPV*4221A**	0.99	0.91	59*N*A100V21**20
CNPV*4324A**	1.02	0.89	59*N*A100V21**20
CSPH*3612A**	1.01	0.89	59*N*A100V21**20
CSPH*4212A**	1.02	0.90	59*N*A100V21**20
CAP**4224A**	1.00	0.88	59*N*A120V24**22
CNPH*3617A**	0.99	0.91	59*N*A120V24**22
CNPH*4221A**	1.00	0.88	59*N*A120V24**22
CNPH*4321A**	1.02	0.89	59*N*A120V24**22
CNPV*4324A**	1.02	0.89	59*N*A120V24**22
CSPH*3612A**	1.01	0.89	59*N*A120V24**22
CSPH*4212A**	1.02	0.90	59*N*A120V24**22
CAP**3617A**	0.99	0.93	59*P5A060E17**14
CAP**3619A**	0.99	0.93	59*P5A060E17**14
CAP**3621A**	0.99	0.91	59*P5A060E17**14
CAP**4221A**	1.00	0.92	59*P5A060E17**14
CNPH*3617A**	0.99	0.92	59*P5A060E17**14
CNPH*4221A**	1.00	0.92	59*P5A060E17**14
CNPH*4321A**	1.03	0.91	59*P5A060E17**14
CNPV*3617A**	0.99	0.92	59*P5A060E17**14
CNPV*3621A**	0.99	0.92	59*P5A060E17**14
CNPV*3717A**	1.03	0.91	59*P5A060E17**14
CNPV*4217A**	1.01	0.92	59*P5A060E17**14
CNPV*4221A**	1.00	0.92	59*P5A060E17**14
CSPH*3612A**	1.01	0.93	59*P5A060E17**14
CSPH*4212A**	1.02	0.94	59*P5A060E17**14
CAP**3617A**	0.99	0.91	59*P5A080E17**16
CAP**3619A**	0.99	0.91	59*P5A080E17**16
CAP**3621A**	0.99	0.91	59*P5A080E17**16
CAP**4221A**	1.00	0.92	59*P5A080E17**16
CNPH*3617A**	0.99	0.91	59*P5A080E17**16
CNPH*4221A**	1.00	0.92	59*P5A080E17**16
CNPH*4321A**	1.03	0.91	59*P5A080E17**16
CNPV*3617A**	0.99	0.91	59*P5A080E17**16
CNPV*3621A**	0.99	0.91	59*P5A080E17**16
CNPV*3717A**	1.03	0.91	59*P5A080E17**16
CNPV*4217A**	1.01	0.92	59*P5A080E17**16
CNPV*4221A**	1.00	0.92	59*P5A080E17**16
CSPH*3612A**	1.01	0.93	59*P5A080E17**16
CSPH*4212A**	1.02	0.90	59*P5A080E17**16
CAP**3617A**	0.99	0.95	OVLAAB036098
CNPH*3617A**	0.99	0.95	OVLAAB036098
CNPH*4221A**	1.00	0.96	OVLAAB036098
CNPH*4321A**	1.01	0.93	OVLAAB036098
CNPV*3717A**	1.00	0.92	OVLAAB036098
CNPV*4217A**	1.00	0.92	OVLAAB036098
CSPH*3612A**	0.99	0.91	OVLAAB036098
CSPH*4212A**	1.00	0.92	OVLAAB036098
CAP**3621A**	0.99	0.91	OVLAAB048112
CAP**4221A**	1.00	0.92	OVLAAB048112
CNPH*3617A**	0.99	0.95	OVLAAB048112
CNPH*4221A**	1.00	0.92	OVLAAB048112

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPH*4321A**	1.01	0.93	OVLAAB048112
CNPV*3621A**	0.99	0.95	OVLAAB048112
CNPV*4221A**	1.00	0.92	OVLAAB048112
CSPH*3612A**	0.99	0.91	OVLAAB048112
CSPH*4212A**	1.00	0.92	OVLAAB048112
CNPH*3617A**	0.99	0.91	OVLAAB060154
CNPH*4221A**	1.00	0.92	OVLAAB060154
CNPH*4321A**	1.01	0.93	OVLAAB060154
CSPH*3612A**	0.99	0.91	OVLAAB060154
CSPH*4212A**	1.00	0.92	OVLAAB060154
CAP**3617A**	0.99	0.95	OVMAAB036098
CNPH*3617A**	0.99	0.95	OVMAAB036098
CNPH*4221A**	1.00	0.96	OVMAAB036098
CNPH*4321A**	1.01	0.93	OVMAAB036098
CNPV*3617A**	0.99	0.95	OVMAAB036098
CNPV*3717A**	1.00	0.92	OVMAAB036098
CNPV*4217A**	1.00	0.92	OVMAAB036098
CSPH*3612A**	0.99	0.91	OVMAAB036098
CSPH*4212A**	1.00	0.92	OVMAAB036098
CAP**3617A**	0.99	0.91	OVMAAB042112
CNPH*3617A**	0.99	0.91	OVMAAB042112
CNPH*4221A**	1.00	0.92	OVMAAB042112
CNPH*4321A**	1.01	0.93	OVMAAB042112
CNPV*3617A**	0.99	0.91	OVMAAB042112
CNPV*3717A**	1.00	0.92	OVMAAB042112
CNPV*4217A**	1.00	0.92	OVMAAB042112
CSPH*3612A**	0.99	0.91	OVMAAB042112
CSPH*4212A**	1.00	0.92	OVMAAB042112

See notes on pg. 67

DETAILED COOLING CAPACITIES* (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB °F (°C)	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38HDR048 Outdoor Section With CNPV*4821A** Indoor Section																			
1460	72 (22.2)	57.22	27.09	3.31	54.16	26.03	3.74	50.83	24.90	4.20	47.23	23.69	4.69	43.24	22.38	5.21	38.87	20.99	5.76
	67(19.4)	52.21	33.21	3.33	49.49	32.17	3.76	46.57	31.08	4.22	43.40	29.91	4.71	39.95	28.66	5.23	36.03	27.26	5.77
	62 (16.7)	47.74	39.31	3.35	45.37	38.29	3.78	42.88	37.19	4.23	40.25	39.91	4.72	37.64	37.64	5.23	34.63	34.63	5.78
	57 (13.9)	46.44	46.44	3.36	44.53	44.53	3.78	42.48	42.48	4.23	40.21	40.21	4.72	37.65	37.65	5.23	34.63	34.63	5.78
1650	72(22.2)	58.13	28.26	3.37	54.91	27.17	3.81	51.42	26.01	4.27	47.67	24.78	4.76	43.52	23.45	5.28	39.26	22.10	5.84
	67(19.4)	53.07	35.09	3.40	50.21	34.03	3.83	47.16	32.91	4.29	43.87	31.73	4.78	40.28	30.44	5.30	36.23	28.99	5.85
	62 (16.7)	48.75	41.89	3.42	46.32	40.79	3.85	43.85	43.85	4.30	41.42	41.42	4.79	38.64	38.64	5.31	35.37	35.37	5.85
	57 (13.9)	48.17	48.17	3.43	46.11	46.11	3.85	43.88	43.88	4.30	41.42	41.42	4.79	38.64	38.64	5.31	35.37	35.37	5.85
1850	72 (22.2)	58.83	29.41	3.45	55.48	28.31	3.88	51.86	27.12	4.35	47.97	25.87	4.84	43.73	24.52	5.36	39.89	23.26	5.92
	67 (19.4)	53.74	36.97	3.48	50.78	35.90	3.91	47.62	34.76	4.37	44.22	33.55	4.86	40.51	32.22	5.38	36.39	30.70	5.93
	62 (16.7)	49.74	44.35	3.50	47.48	47.48	3.92	45.09	45.09	4.38	42.44	42.44	4.87	39.46	39.46	5.38	35.96	35.96	5.93
	57(13.9)	49.69	49.69	3.50	47.49	47.49	3.92	45.09	45.09	4.38	42.45	42.45	4.87	39.46	39.46	5.38	35.97	35.97	5.93

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*CNPV*4821A**	1.00	1.00	
CAP**4817A**	0.99	0.99	
CAP**4821A**	1.00	1.00	
CAP**4823A**	0.99	0.99	
CAP**4824A**	1.00	1.00	
CAP**6021A**	1.01	1.01	
CAP**6024A**	1.01	1.01	
CAP**6025A**	1.01	1.01	
CNPH*4821A**	1.00	1.00	
CNPH*6024A**	1.01	1.01	
CNPH*6124A**	1.01	1.01	
CNPV*4824A**	1.00	1.00	
CNPV*6024A**	1.01	1.01	
CNPV*6124A**	1.01	1.01	
CSPH*4812A**	1.00	1.00	
CSPH*6012A**	1.01	1.01	
FB4CNF048	1.00	0.96	
FB4CNF060	1.01	0.93	
FE4AN(B,F)005	1.00	0.96	
FE4ANB006	1.01	0.97	
FV4CN(B,F)005	1.00	0.96	
FV4CNB006	1.01	0.97	
FX4DN(B,F)049	1.01	0.93	
FX4DN(B,F)061	1.02	0.90	
FY5BNB060	1.01	0.97	
FY5BNF048	1.00	0.92	
CAP**4817A**	0.99	0.95	58CV(A,X)090–16
CNPH*4821A**	0.99	0.95	58CV(A,X)090–16
CNPH*6024A**	1.00	0.96	58CV(A,X)090–16
CNPH*6124A**	1.00	0.92	58CV(A,X)090–16
CSPH*4812A**	0.99	0.95	58CV(A,X)090–16
CSPH*6012A**	1.00	0.96	58CV(A,X)090–16
CAP**4821A**	0.99	0.95	58CV(A,X)110–20
CAP**6021A**	1.00	0.96	58CV(A,X)110–20
CNPH*4821A**	0.99	0.95	58CV(A,X)110–20
CNPH*6024A**	1.00	0.96	58CV(A,X)110–20
CNPH*6124A**	1.00	0.92	58CV(A,X)110–20
CNPV*4821A**	0.99	0.95	58CV(A,X)110–20
CSPH*4812A**	0.99	0.95	58CV(A,X)110–20
CSPH*6012A**	1.00	0.96	58CV(A,X)110–20

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CAP**4824A**	0.99	0.95	58CV(A,X)135–22
CAP**6024A**	1.00	0.96	58CV(A,X)135–22
CNPH*4821A**	0.99	0.95	58CV(A,X)135–22
CNPH*6024A**	1.00	0.96	58CV(A,X)135–22
CNPH*6124A**	1.00	0.92	58CV(A,X)135–22
CNPV*4824A**	0.99	0.95	58CV(A,X)135–22
CNPV*6024A**	1.00	0.96	58CV(A,X)135–22
CNPV*6124A**	1.01	0.89	58CV(A,X)135–22
CSPH*4812A**	0.99	0.95	58CV(A,X)135–22
CSPH*6012A**	1.00	0.96	58CV(A,X)135–22
CAP**4824A**	0.99	0.95	58CV(A,X)155–22
CAP**6024A**	1.00	0.96	58CV(A,X)155–22
CNPH*4821A**	0.99	0.95	58CV(A,X)155–22
CNPH*6024A**	1.00	0.96	58CV(A,X)155–22
CNPH*6124A**	1.00	0.92	58CV(A,X)155–22
CNPV*4824A**	0.99	0.95	58CV(A,X)155–22
CNPV*6024A**	1.00	0.96	58CV(A,X)155–22
CNPV*6124A**	1.01	0.89	58CV(A,X)155–22
CSPH*4812A**	0.99	0.95	58CV(A,X)155–22
CSPH*6012A**	1.00	0.96	58CV(A,X)155–22
CAP**4823A**	0.99	0.95	58HDV080– –20
CNPH*4821A**	1.00	0.96	58HDV080– –20
CNPH*6024A**	1.00	0.92	58HDV080– –20
CNPH*6124A**	1.00	0.96	58HDV080– –20
CNPV*4821A**	0.99	0.95	58HDV080– –20
CNPV*4824A**	0.99	0.95	58HDV080– –20
CNPV*6024A**	1.00	0.92	58HDV080– –20
CNPV*6124A**	1.01	0.93	58HDV080– –20
CSPH*4812A**	1.00	0.96	58HDV080– –20
CSPH*6012A**	1.01	0.97	58HDV080– –20
CAP**4824A**	0.99	0.95	58HDV100– –20
CAP**6024A**	1.00	0.92	58HDV100– –20
CAP**6025A**	1.01	0.93	58HDV100– –20
CNPH*4821A**	0.99	0.95	58HDV100– –20
CNPH*6024A**	1.00	0.92	58HDV100– –20
CNPH*6124A**	1.00	0.96	58HDV100– –20
CNPV*4824A**	0.99	0.95	58HDV100– –20
CNPV*6024A**	1.00	0.92	58HDV100– –20

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPV*6024A**	1.00	0.92	58HDV100– –20
CNPV*6124A**	1.01	0.93	58HDV100– –20
CNPV*6124A**	1.01	0.93	58HDV100– –20
CNPV*6124A**	1.01	0.93	58HDV100– –20
CSPH*4812A**	1.00	0.96	58HDV100– –20
CSPH*4812A**	1.00	0.96	58HDV100– –20
CSPH*6012A**	1.01	0.97	58HDV100– –20
CNPH*6124A**	1.00	0.92	58ME(B,C)080–16
CNPH*6124A**	1.00	0.92	58ME(B,C)100–20
CNPH*6124A**	1.00	0.88	58ME(B,C)120–20
CNPV*6124A**	1.01	0.89	58ME(B,C)120–20
CAP**4817A**	0.99	0.95	58MEC080–16
CNPH*4821A**	0.99	0.95	58MEC080–16
CNPH*6024A**	1.00	0.96	58MEC080–16
CSPH*4812A**	0.99	0.95	58MEC080–16
CSPH*6012A**	1.00	0.92	58MEC080–16
CAP**4821A**	0.99	0.95	58MEC100–20
CAP**6021A**	1.00	0.92	58MEC100–20
CNPH*4821A**	0.99	0.95	58MEC100–20
CNPH*6024A**	1.00	0.92	58MEC100–20
CNPH*6124A**	1.00	0.92	58MEC100–20
CNPV*4821A**	0.99	0.95	58MEC100–20
CSPH*4812A**	0.99	0.95	58MEC100–20
CSPH*6012A**	1.00	0.92	58MEC100–20
CAP**4824A**	0.99	0.95	58MEC120–20
CAP**6024A**	1.00	0.92	58MEC120–20
CNPH*4821A**	0.99	0.95	58MEC120–20
CNPH*6024A**	1.00	0.92	58MEC120–20
CNPH*6124A**	1.00	0.88	58MEC120–20
CNPV*4824A**	0.99	0.95	58MEC120–20
CNPV*6024A**	1.00	0.92	58MEC120–20
CNPV*6124A**	1.01	0.89	58MEC120–20
CSPH*4812A**	0.99	0.95	58MEC120–20
CSPH*6012A**	1.00	0.92	58MEC120–20
CAP**4821A**	0.98	0.94	58MV(B,C)080–20
CAP**6021A**	1.00	0.96	58MV(B,C)080–20
CNPH*4821A**	0.98	0.94	58MV(B,C)080–20
CNPH*6024A**	1.00	0.96	58MV(B,C)080–20
CNPH*6124A**	1.00	0.96	58MV(B,C)080–20
CNPV*4821A**	0.98	0.94	58MV(B,C)080–20

DETAILED COOLING CAPACITIES* (CONT.)

38HDR048 Outdoor Section With CNPV*4821A Indoor Section**

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CSPH*4812A**	0.99	0.95	58MV(B,C)080–20
CSPH*6012A**	1.00	0.96	58MV(B,C)080–20
CAP**4821A**	0.99	0.95	58MV(B,C)100–20
CAP**6021A**	1.00	0.96	58MV(B,C)100–20
CNPH*4821A**	0.99	0.95	58MV(B,C)100–20
CNPH*6024A**	1.00	0.96	58MV(B,C)100–20
CNPH*6124A**	1.00	0.96	58MV(B,C)100–20
CNPV*4821A**	0.99	0.95	58MV(B,C)100–20
CSPH*4812A**	0.99	0.95	58MV(B,C)100–20
CSPH*6012A**	1.00	0.96	58MV(B,C)100–20
CAP**4824A**	0.99	0.95	58MV(B,C)120–20
CAP**6024A**	1.00	0.96	58MV(B,C)120–20
CNPH*4821A**	0.99	0.95	58MV(B,C)120–20
CNPH*6024A**	1.00	0.96	58MV(B,C)120–20
CNPH*6124A**	1.00	0.92	58MV(B,C)120–20
CNPV*4824A**	0.99	0.95	58MV(B,C)120–20
CNPV*6024A**	1.00	0.96	58MV(B,C)120–20
CNPV*6124A**	1.01	0.93	58MV(B,C)120–20
CSPH*4812A**	0.99	0.95	58MV(B,C)120–20
CSPH*6012A**	1.00	0.96	58MV(B,C)120–20
CAP**4817A**	0.99	0.95	58PH*070–16
CNPH*6124A**	1.00	1.00	58PH*070–16
CAP**4821A**	0.99	0.95	58PH*090–16
CAP**6021A**	1.00	0.92	58PH*090–16
CNPH*4821A**	0.99	0.95	58PH*090–16
CNPH*6024A**	1.00	0.92	58PH*090–16
CNPH*6124A**	1.00	0.92	58PH*090–16
CNPV*4821A**	0.99	0.95	58PH*090–16
CSPH*4812A**	0.99	0.95	58PH*090–16
CSPH*6012A**	1.00	0.92	58PH*090–16
CAP**4821A**	0.99	0.95	58PH*110–20
CAP**6021A**	1.00	0.92	58PH*110–20
CNPH*4821A**	0.99	0.95	58PH*110–20
CNPH*6024A**	1.00	0.92	58PH*110–20
CNPH*6124A**	1.00	0.92	58PH*110–20
CNPV*4821A**	0.99	0.95	58PH*110–20
CSPH*4812A**	0.99	0.95	58PH*110–20
CSPH*6012A**	1.00	0.92	58PH*110–20
CAP**4824A**	0.99	0.95	58PH*135–20
CAP**6024A**	1.00	0.92	58PH*135–20
CNPH*4821A**	0.99	0.95	58PH*135–20
CNPH*6024A**	1.00	0.92	58PH*135–20
CNPH*6124A**	1.00	0.92	58PH*135–20
CNPV*4824A**	0.99	0.95	58PH*135–20
CNPV*6024A**	1.00	0.92	58PH*135–20
CNPV*6124A**	1.01	0.89	58PH*135–20
CSPH*4812A**	0.99	0.95	58PH*135–20
CSPH*6012A**	1.00	0.92	58PH*135–20
CNPV*6124A**	1.01	0.93	58UV(B,C)120–20
CAP**4821A**	0.98	0.94	58UVB080–20
CAP**6021A**	1.00	0.96	58UVB080–20
CNPV*4821A**	0.98	0.94	58UVB080–20
CAP**4821A**	0.99	0.95	58UVB100–20
CAP**6021A**	1.00	0.96	58UVB100–20
CNPV*4821A**	0.99	0.95	58UVB100–20
CAP**4824A**	0.99	0.95	58UVB120–20

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CAP**6024A**	1.00	0.96	58UVB120–20
CNPV*4824A**	0.99	0.95	58UVB120–20
CNPV*6024A**	1.00	0.96	58UVB120–20
CNPV*6124A**	1.01	0.93	58UVB120–20
CAP**4821A**	0.99	0.91	58VLR120–20
CAP**6021A**	1.00	0.92	58VLR120–20
CNPH*4821A**	0.99	0.91	58VLR120–20
CNPH*6024A**	1.00	0.92	58VLR120–20
CNPH*6124A**	1.01	0.93	58VLR120–20
CNPV*4821A**	0.99	0.91	58VLR120–20
CSPH*4812A**	0.99	0.91	58VLR120–20
CSPH*6012A**	1.00	0.92	58VLR120–20
CAP**4821A**	0.99	0.95	58VMR120–20
CAP**6021A**	1.00	0.92	58VMR120–20
CNPH*4821A**	0.99	0.91	58VMR120–20
CNPH*6024A**	1.00	0.92	58VMR120–20
CNPH*6124A**	1.01	0.93	58VMR120–20
CNPV*4821A**	0.99	0.91	58VMR120–20
CSPH*4812A**	0.99	0.91	58VMR120–20
CSPH*6012A**	1.00	0.92	58VMR120–20
CAP**4821A**	0.97	0.90	59*N*A100V21**20
CAP**4823A**	0.97	0.90	59*N*A100V21**20
CAP**4824A**	0.97	0.90	59*N*A100V21**20
CAP**6021A**	0.99	0.91	59*N*A100V21**20
CAP**6024A**	0.99	0.91	59*N*A100V21**20
CAP**6025A**	0.99	0.91	59*N*A100V21**20
CNPH*4821A**	0.98	0.90	59*N*A100V21**20
CNPH*6024A**	0.99	0.91	59*N*A100V21**20
CNPH*6124A**	0.99	0.91	59*N*A100V21**20
CNPV*4821A**	0.98	0.90	59*N*A100V21**20
CNPV*4824A**	0.98	0.90	59*N*A100V21**20
CNPV*6024A**	0.99	0.91	59*N*A100V21**20
CNPV*6124A**	1.00	0.92	59*N*A100V21**20
CSPH*4812A**	0.98	0.91	59*N*A100V21**20
CSPH*6012A**	0.99	0.91	59*N*A100V21**20
CAP**4823A**	0.97	0.89	59*N*A120V24**22
CAP**4824A**	0.97	0.89	59*N*A120V24**22
CAP**6024A**	0.99	0.87	59*N*A120V24**22
CAP**6025A**	0.99	0.87	59*N*A120V24**22
CNPH*4821A**	0.98	0.90	59*N*A120V24**22
CNPH*6024A**	0.99	0.87	59*N*A120V24**22
CNPH*6124A**	0.99	0.87	59*N*A120V24**22
CNPV*4824A**	0.98	0.90	59*N*A120V24**22
CNPV*6024A**	0.99	0.87	59*N*A120V24**22
CNPV*6124A**	1.00	0.88	59*N*A120V24**22
CSPH*4812A**	0.98	0.90	59*N*A120V24**22
CSPH*6012A**	1.00	0.88	59*N*A120V24**22
CNPH*4821A**	0.98	0.94	59*P5A080E17**16
CNPH*6024A**	0.99	0.92	59*P5A080E17**16
CNPV*4821A**	0.98	0.94	59*P5A080E17**16
CSPH*6012A**	1.00	0.93	59*P5A080E17**16
CAP**4821A**	0.97	0.90	59*P5A100E21**16
CAP**4823A**	0.97	0.90	59*P5A100E21**16
CAP**4824A**	0.98	0.91	59*P5A100E21**16
CAP**6021A**	0.99	0.92	59*P5A100E21**16
CAP**6024A**	0.99	0.91	59*P5A100E21**16

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CAP**6025A**	0.99	0.91	59*P5A100E21**16
CNPH*4821A**	0.98	0.91	59*P5A100E21**16
CNPH*6024A**	0.99	0.91	59*P5A100E21**16
CNPH*6124A**	1.00	0.92	59*P5A100E21**16
CNPV*4821A**	0.98	0.91	59*P5A100E21**16
CNPV*4824A**	0.98	0.91	59*P5A100E21**16
CNPV*6024A**	0.99	0.91	59*P5A100E21**16
CNPV*6124A**	1.01	0.93	59*P5A100E21**16
CSPH*4812A**	0.98	0.91	59*P5A100E21**16
CSPH*6012A**	1.00	0.92	59*P5A100E21**16
CAP**4823A**	0.98	0.90	59*P5A120E24**22
CAP**4824A**	0.98	0.90	59*P5A120E24**22
CAP**6024A**	1.00	0.92	59*P5A120E24**22
CAP**6025A**	1.00	0.92	59*P5A120E24**22
CNPH*4821A**	0.99	0.91	59*P5A120E24**22
CNPH*6024A**	1.00	0.92	59*P5A120E24**22
CNPH*6124A**	1.00	0.92	59*P5A120E24**22
CNPV*4824A**	0.99	0.91	59*P5A120E24**22
CNPV*6024A**	1.00	0.92	59*P5A120E24**22
CNPV*6124A**	1.01	0.89	59*P5A120E24**22
CSPH*4812A**	0.99	0.91	59*P5A120E24**22
CSPH*6012A**	1.01	0.89	59*P5A120E24**22
CAP**4821A**	0.99	0.95	OVLAAB048112
CAP**6021A**	1.00	0.96	OVLAAB048112
CNPH*4821A**	0.99	0.95	OVLAAB048112
CNPH*6024A**	1.00	0.96	OVLAAB048112
CNPH*6124A**	1.01	0.97	OVLAAB048112
CNPV*4821A**	0.99	0.95	OVLAAB048112
CSPH*4812A**	0.99	0.95	OVLAAB048112
CSPH*6012A**	1.00	0.96	OVLAAB048112
CNPH*4821A**	0.99	0.95	OVLAAB060154
CNPH*6024A**	1.00	0.92	OVLAAB060154
CNPH*6124A**	1.01	0.93	OVLAAB060154
CSPH*4812A**	0.99	0.95	OVLAAB060154
CSPH*6012A**	1.00	0.92	OVLAAB060154

See notes on pg. 67

DETAILED COOLING CAPACITIES** (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB °F (°C)	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38HDR060 Outdoor Section With CNPV*6024A** Indoor Section																			
1750	72 (22.2)	68.88	33.36	4.20	65.13	32.05	4.64	60.97	30.62	5.12	56.47	29.10	5.64	51.66	27.52	6.20	46.31	25.80	6.80
	67(19.4)	63.28	41.18	4.15	59.98	39.91	4.59	56.34	38.52	5.08	52.38	37.05	5.60	48.00	35.44	6.17	43.23	33.69	6.77
	62 (16.7)	58.24	48.95	4.11	55.37	47.69	4.55	52.27	46.30	5.04	48.91	48.85	5.57	45.63	45.63	6.15	41.69	41.69	6.76
	57 (13.9)	56.77	56.77	4.09	54.45	54.45	4.54	51.86	51.86	5.03	48.95	48.95	5.57	45.63	45.63	6.15	41.69	41.69	6.76
2000	72(22.2)	69.89	34.93	4.31	65.94	33.59	4.75	61.58	32.12	5.23	56.96	30.59	5.74	52.01	29.02	6.31	47.30	27.45	6.92
	67(19.4)	64.28	43.75	4.26	60.81	42.45	4.70	57.00	41.04	5.18	52.88	39.53	5.71	48.32	37.86	6.27	43.82	36.17	6.88
	62 (16.7)	59.48	52.47	4.22	56.55	51.08	4.66	53.58	53.58	5.15	50.40	50.40	5.68	46.78	46.78	6.26	42.62	42.62	6.87
	57 (13.9)	58.96	58.96	4.21	56.42	56.42	4.66	53.58	53.58	5.15	50.40	50.40	5.68	46.78	46.78	6.26	42.60	42.60	6.87
2250	72 (22.2)	70.60	36.41	4.42	66.50	35.04	4.86	61.97	33.55	5.33	57.25	32.02	5.85	52.14	30.44	6.41	48.41	29.01	7.04
	67 (19.4)	65.01	46.21	4.37	61.41	44.89	4.81	57.46	43.44	5.29	53.20	41.88	5.81	48.56	40.17	6.37	44.28	38.42	6.99
	62 (16.7)	60.67	60.67	4.33	58.00	58.00	4.78	54.94	54.94	5.26	51.52	51.52	5.79	47.63	47.63	6.36	43.18	43.18	6.98
	57(13.9)	60.73	60.73	4.33	58.00	58.00	4.78	54.94	54.94	5.26	51.52	51.52	5.79	47.63	47.63	6.36	43.14	43.14	6.98

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*CNPV*6024A**	1.00	1.00	
CAP**6021A**	1.00	1.00	
CAP**6024A**	1.00	1.00	
CAP**6025A**	1.00	1.00	
CNPH*6024A**	1.00	1.00	
CNPH*6124A**	1.01	1.01	
CNPV*6124A**	1.01	1.01	
CSPH*6012A**	1.00	1.00	
FB4CNF060	1.00	1.00	
FE4ANB006	1.01	1.01	
FX4DN(B,F)061	1.02	1.02	
FY5BNB060	1.01	1.06	
CAP**6021A**	0.98	0.98	58CV(A,X)110–20
CNPH*6024A**	0.98	0.98	58CV(A,X)110–20
CNPH*6124A**	1.01	1.01	58CV(A,X)110–20
CSPH*6012A**	0.98	0.98	58CV(A,X)110–20
CAP**6024A**	0.98	0.98	58CV(A,X)135–22
CNPH*6024A**	0.98	0.98	58CV(A,X)135–22
CNPH*6124A**	1.01	1.01	58CV(A,X)135–22
CNPV*6024A**	0.98	0.98	58CV(A,X)135–22
CNPV*6124A**	1.01	1.01	58CV(A,X)135–22
CSPH*6012A**	0.98	0.98	58CV(A,X)135–22
CAP**6024A**	0.98	0.98	58CV(A,X)155–22
CNPH*6024A**	0.98	0.98	58CV(A,X)155–22
CNPH*6124A**	1.01	1.01	58CV(A,X)155–22
CNPV*6024A**	0.98	0.98	58CV(A,X)155–22
CNPV*6124A**	1.01	1.01	58CV(A,X)155–22
CSPH*6012A**	0.98	0.98	58CV(A,X)155–22
CNPH*6024A**	1.02	1.07	58HDV080––20
CNPH*6124A**	1.02	1.07	58HDV080––20
CNPH*6124A**	1.02	1.07	58HDV080––20
CNPV*6024A**	1.02	1.07	58HDV080––20
CNPV*6124A**	1.03	1.07	58HDV080––20
CSPH*6012A**	1.03	1.07	58HDV080––20
CSPH*6012A**	1.03	1.07	58HDV080––20
CAP**6024A**	1.01	1.04	58HDV100––20
CAP**6025A**	1.01	1.04	58HDV100––20

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CAP**6025A**	1.01	1.04	58HDV100––20
CNPH*6024A**	1.01	1.04	58HDV100––20
CNPH*6124A**	1.02	1.05	58HDV100––20
CNPH*6124A**	1.02	1.05	58HDV100––20
CNPV*6024A**	1.01	1.04	58HDV100––20
CNPV*6024A**	1.01	1.04	58HDV100––20
CNPV*6124A**	1.01	1.01	58HDV100––20
CNPV*6124A**	1.01	1.01	58HDV100––20
CNPV*6124A**	1.01	1.01	58HDV100––20
CSPH*6012A**	1.02	1.04	58HDV100––20
CSPH*6012A**	1.02	1.04	58HDV100––20
CNPH*6124A**	1.01	1.01	58ME(B,C)080–16
CNPH*6124A**	1.01	1.01	58ME(B,C)100–20
CNPH*6124A**	1.01	1.01	58ME(B,C)120–20
CNPV*6124A**	1.01	1.01	58ME(B,C)120–20
CNPH*6024A**	0.98	0.98	58MEC080–16
CSPH*6012A**	0.98	0.98	58MEC080–16
CAP**6021A**	0.98	0.98	58MEC100–20
CNPH*6024A**	0.98	0.98	58MEC100–20
CNPH*6124A**	1.01	1.01	58MEC100–20
CSPH*6012A**	0.98	0.98	58MEC100–20
CAP**6024A**	0.98	0.98	58MEC120–20
CNPH*6024A**	0.98	0.98	58MEC120–20
CNPH*6124A**	1.01	1.01	58MEC120–20
CNPV*6024A**	0.98	0.98	58MEC120–20
CNPV*6124A**	1.01	1.01	58MEC120–20
CSPH*6012A**	0.98	0.98	58MEC120–20
CNPH*6124A**	1.01	1.07	58MV(B,C)080–20
CNPH*6124A**	1.01	1.05	58MV(B,C)100–20
CNPH*6124A**	1.01	1.01	58MV(B,C)120–20
CNPH*6124A**	1.01	1.01	58MV(B,C)120–20
CNPV*6124A**	1.01	1.01	58MV(B,C)120–20
CSPH*6012A**	0.98	0.98	58MV(B,C)120–20
CAP**6021A**	0.98	0.98	58PH*110–20
CNPH*6024A**	0.98	0.98	58PH*110–20
CNPH*6124A**	1.01	1.01	58PH*110–20
CSPH*6012A**	0.98	0.98	58PH*110–20

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CAP**6024A**	0.98	0.98	58PH*135–20
CNPH*6024A**	0.98	0.98	58PH*135–20
CNPH*6124A**	1.01	1.01	58PH*135–20
CNPV*6024A**	0.98	0.98	58PH*135–20
CNPV*6124A**	1.01	1.01	58PH*135–20
CSPH*6012A**	0.98	0.98	58PH*135–20
CNPV*6124A**	1.01	1.01	58UV(B,C)120–20
CNPV*6124A**	1.01	1.01	58UVB120–20
CAP**6021A**	1.00	1.00	58VLR120–20
CNPH*6024A**	1.00	1.00	58VLR120–20
CNPH*6124A**	1.01	1.01	58VLR120–20
CSPH*6012A**	1.00	1.00	58VLR120–20
CAP**6021A**	1.01	1.05	58VMR120–20
CNPH*6024A**	1.01	1.05	58VMR120–20
CNPH*6124A**	1.02	1.06	58VMR120–20
CSPH*6012A**	1.02	1.05	58VMR120–20
CAP**6024A**	1.01	1.01	59*N*A120V24**22
CAP**6025A**	1.01	1.01	59*N*A120V24**22
CNPH*6024A**	1.01	1.01	59*N*A120V24**22
CNPH*6124A**	1.02	1.02	59*N*A120V24**22
CNPV*6024A**	1.01	1.01	59*N*A120V24**22
CNPV*6124A**	1.03	1.01	59*N*A120V24**22
CSPH*6012A**	1.02	1.00	59*N*A120V24**22
CAP**6024A**	1.01	1.01	59*P5A120E24**22
CAP**6025A**	1.01	1.01	59*P5A120E24**22
CNPH*6024A**	1.01	1.01	59*P5A120E24**22
CNPH*6124A**	1.01	1.01	59*P5A120E24**22
CNPV*6024A**	1.01	1.01	59*P5A120E24**22
CNPV*6124A**	1.03	1.01	59*P5A120E24**22
CSPH*6012A**	1.02	1.00	59*P5A120E24**22
CNPH*6024A**	1.03	1.11	OVLAAB060154
CNPH*6124A**	1.03	1.11	OVLAAB060154
CSPH*6012A**	1.03	1.10	OVLAAB060154

See notes on pg. 67

DETAILED COOLING CAPACITIES** (CONT.)

NOTE: When the required data fall between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.

* Detailed cooling capacities are based on indoor and outdoor unit at the same elevation per the latest edition of AHRI standard 210/240. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

† Total and sensible capacities are net capacities. Blower motor heat has been subtracted.

‡ Sensible capacities shown are based on 80° F (27° C) entering air at the indoor coil. For sensible capacities at other than 80° F (27° C), deduct 835 Btuh (245 kW) per 1000 CFM (480 L/S) of indoor coil air for each degree below 80° F (27° C), or add 835 Btuh (245 kW) per 1000 CFM (480 L/S) of indoor coil air per degree above 80° F (27° C).
When the required data fall between the published data, interpolation may be performed.

** Total system kW is total of indoor and outdoor unit kilowatts.

CONDENSER ONLY RATINGS*

SST °F (°C)		CONDENSER ENTERING AIR TEMPERATURES °F (°C)							
		55 (12.8)	65 (18.3)	75 (23.9)	85 (29.4)	95 (35)	105 (40.6)	115 (46.1)	125 (51.7)
38HDR018–31									
30 (–1.6)	TCG	16.20	15.30	14.30	13.40	12.40	11.40	10.30	9.20
	SDT	67.40	77.00	86.50	96.00	105.50	114.90	124.40	133.70
	KW	0.86	0.98	1.11	1.26	1.42	1.59	1.77	1.96
35 (1.7)	TCG	17.90	16.90	15.90	14.80	13.80	12.70	11.60	10.40
	SDT	68.50	78.00	87.50	97.00	106.40	115.80	125.20	134.50
	KW	0.86	0.98	1.11	1.26	1.42	1.59	1.78	1.98
40 (4.4)	TCG	19.70	18.60	17.50	16.40	15.20	14.10	12.90	11.60
	SDT	69.70	79.10	88.60	98.00	107.40	116.80	126.10	135.30
	KW	0.85	0.97	1.11	1.26	1.42	1.60	1.79	1.99
45 (7.2)	TCG	21.60	20.40	19.20	18.00	16.80	15.50	14.20	12.80
	SDT	70.90	80.30	89.70	99.00	108.40	117.70	127.00	136.10
	KW	0.85	0.97	1.11	1.26	1.42	1.60	1.79	2.00
50 (10)	TCG	23.60	22.30	21.10	19.70	18.40	17.00	15.60	14.10
	SDT	72.20	81.50	90.80	100.10	109.40	118.60	127.80	136.90
	KW	0.85	0.97	1.11	1.26	1.42	1.60	1.79	2.00
55 (12.8)	TCG	25.70	24.30	22.90	21.50	20.00	18.60	17.00	15.40
	SDT	73.50	82.70	92.00	101.20	110.40	119.60	128.70	137.70
	KW	0.85	0.97	1.10	1.25	1.42	1.60	1.79	2.00
38HDR024–32									
30 (–1.6)	TCG	22.10	20.90	19.60	18.30	16.90	15.50	14.00	12.40
	SDT	69.00	78.50	88.00	97.40	106.80	116.10	125.30	134.50
	KW	1.08	1.24	1.41	1.60	1.80	2.02	2.25	2.48
35 (1.7)	TCG	24.30	23.00	21.70	20.30	18.80	17.20	15.60	13.80
	SDT	70.30	79.80	89.20	98.60	107.90	117.10	126.30	135.40
	KW	1.09	1.24	1.42	1.61	1.82	2.04	2.28	2.52
40 (4.4)	TCG	26.80	25.30	23.90	22.30	20.70	19.00	17.20	15.30
	SDT	71.70	81.10	90.50	99.80	109.10	118.20	127.30	136.30
	KW	1.10	1.26	1.43	1.62	1.83	2.06	2.30	2.55
45 (7.2)	TCG	29.40	27.80	26.20	24.50	22.70	20.90	18.90	16.70
	SDT	73.20	82.60	91.90	101.10	110.20	119.30	128.30	137.10
	KW	1.11	1.27	1.44	1.64	1.85	2.08	2.32	2.57
50 (10)	TCG	32.10	30.40	28.60	26.80	24.80	22.70	20.50	18.10
	SDT	74.80	84.10	93.30	102.40	111.50	120.40	129.20	137.90
	KW	1.12	1.28	1.46	1.65	1.86	2.09	2.33	2.59
55 (12.8)	TCG	35.00	33.10	31.20	29.10	26.90	24.60	22.20	19.50
	SDT	76.40	85.60	94.70	103.80	112.70	121.50	130.20	138.60
	KW	1.13	1.29	1.47	1.66	1.88	2.10	2.35	2.60
38HDR030–31									
30 (–1.6)	TCG	26.20	24.70	23.20	21.70	20.10	18.40	16.80	15.30
	SDT	72.00	82.30	92.90	103.80	115.00	126.90	139.00	148.90
	KW	1.30	1.48	1.69	1.92	2.19	2.50	2.84	3.12
35 (1.7)	TCG	28.80	27.30	25.70	24.10	22.40	20.60	18.90	17.40
	SDT	73.10	83.50	94.00	104.80	116.10	127.70	139.50	149.30
	KW	1.30	1.49	1.69	1.93	2.21	2.52	2.86	3.15
40 (4.4)	TCG	31.70	30.10	28.40	26.60	24.80	23.00	21.20	19.60
	SDT	74.30	84.70	95.20	105.90	117.10	128.60	140.00	149.70
	KW	1.31	1.49	1.70	1.94	2.22	2.53	2.87	3.18
45 (7.2)	TCG	34.80	33.10	31.20	29.40	27.40	25.50	23.60	21.90
	SDT	75.60	85.90	96.40	107.10	118.10	129.40	140.60	150.10
	KW	1.31	1.50	1.71	1.95	2.22	2.54	2.88	3.19
50 (10)	TCG	38.20	36.20	34.30	32.30	30.30	28.20	26.20	24.40
	SDT	76.90	87.20	97.60	108.20	119.20	130.30	141.10	150.50
	KW	1.32	1.50	1.71	1.95	2.23	2.55	2.89	3.20
55 (12.8)	TCG	41.70	39.70	37.60	35.50	33.30	31.10	29.00	27.10
	SDT	78.30	88.50	98.90	109.40	120.20	131.20	141.80	150.90
	KW	1.32	1.51	1.72	1.96	2.24	2.55	2.89	3.20
38HDR036–31									
30 (–1.6)	TCG	30.10	28.50	26.80	25.10	23.30	21.50	19.60	17.60
	SDT	70.90	80.80	90.90	101.00	111.20	121.60	132.30	143.30
	KW	1.50	1.71	1.94	2.20	2.50	2.83	3.19	3.58
35 (1.7)	TCG	33.20	31.50	29.70	27.80	25.90	24.00	21.90	19.90
	SDT	72.00	82.00	92.00	102.10	112.30	122.80	133.30	143.80
	KW	1.50	1.71	1.95	2.21	2.52	2.85	3.21	3.60
40 (4.4)	TCG	36.50	34.60	32.70	30.70	28.70	26.60	24.40	22.30
	SDT	73.30	83.20	93.20	103.20	113.40	123.60	134.10	144.50
	KW	1.51	1.72	1.95	2.22	2.52	2.85	3.23	3.63
45 (7.2)	TCG	40.10	38.10	36.00	33.80	31.70	29.40	27.10	24.80
	SDT	74.60	84.40	94.40	104.50	113.80	124.50	135.20	145.30
	KW	1.51	1.72	1.96	2.23	2.51	2.86	3.26	3.65
50 (10)	TCG	43.90	41.70	39.50	37.10	34.90	32.40	30.00	27.60
	SDT	75.90	85.80	95.70	105.90	115.50	125.90	136.20	146.00
	KW	1.52	1.73	1.97	2.24	2.54	2.89	3.27	3.66
55 (12.8)	TCG	48.00	45.70	43.30	40.70	38.30	35.70	33.10	30.50
	SDT	77.40	87.10	97.00	107.10	116.70	126.80	137.00	146.70
	KW	1.53	1.74	1.98	2.25	2.55	2.89	3.28	3.66

See notes on page 69

CONDENSER ONLY RATINGS* CONTINUED

SST °F (°C)		CONDENSER ENTERING AIR TEMPERATURES °F (°C)							
		55 (12.8)	65 (18.3)	75 (23.9)	85 (29.4)	95 (35)	105 (40.6)	115 (46.1)	125 (51.7)
38HDR048–32									
30 (–1.6)	TCG	48.40	45.50	42.50	39.50	36.20	32.90	30.60	28.10
	SDT	67.90	77.30	86.70	96.00	105.40	114.70	124.30	133.80
	KW	2.05	2.39	2.75	3.15	3.56	4.01	4.49	5.00
35 (1.7)	TCG	53.40	50.20	46.90	43.40	39.60	35.70	34.00	25.50
	SDT	69.10	78.40	87.80	97.00	106.20	115.40	125.10	133.00
	KW	2.02	2.37	2.74	3.14	3.56	4.01	4.51	4.99
40 (4.4)	TCG	58.70	55.10	51.40	47.50	43.10	38.30	33.00	27.10
	SDT	70.40	79.60	88.90	98.00	107.10	116.10	124.80	133.40
	KW	1.99	2.35	2.72	3.13	3.55	4.01	4.49	4.99
45 (7.2)	TCG	64.30	60.30	56.20	51.60	46.90	41.20	35.20	28.90
	SDT	71.80	80.90	90.00	99.10	108.10	116.80	125.40	133.80
	KW	1.96	2.32	2.70	3.11	3.54	4.00	4.48	4.99
50 (10)	TCG	70.30	65.80	61.10	55.80	50.40	44.20	37.30	34.60
	SDT	73.30	82.30	91.20	100.10	108.90	117.50	125.90	135.30
	KW	1.92	2.29	2.68	3.09	3.52	3.98	4.46	5.01
55 (12.8)	TCG	76.50	71.40	66.00	60.30	54.00	47.00	50.70	41.10
	SDT	74.80	83.60	92.50	101.20	109.80	118.20	129.40	137.00
	KW	1.88	2.25	2.64	3.06	3.49	3.95	4.57	5.05
38HDR060–32									
30 (–1.6)	TCG	59.30	55.30	50.90	46.20	40.40	37.90	33.80	30.30
	SDT	70.10	79.30	88.40	97.40	106.20	115.80	124.90	134.20
	KW	2.59	2.93	3.31	3.73	4.19	4.72	5.31	5.90
35 (1.7)	TCG	64.70	60.20	55.50	50.00	43.30	42.40	31.50	33.10
	SDT	71.40	80.50	89.50	98.40	106.90	116.90	124.20	134.90
	KW	2.62	2.97	3.34	3.76	4.21	4.76	5.25	5.93
40 (4.4)	TCG	69.90	65.30	60.10	53.80	55.90	47.40	31.70	35.60
	SDT	72.70	81.70	90.60	99.30	110.10	118.10	124.20	135.50
	KW	2.66	3.00	3.38	3.78	4.34	4.81	5.24	5.96
45 (7.2)	TCG	76.00	70.80	64.80	57.40	56.00	54.60	48.50	47.70
	SDT	74.10	83.00	91.80	100.20	110.00	119.90	128.60	138.80
	KW	2.71	3.04	3.40	3.80	4.32	4.89	5.43	6.08
50 (10)	TCG	82.20	76.70	69.30	70.90	61.80	58.60	30.50	52.10
	SDT	75.60	84.40	92.80	103.40	111.40	120.90	123.80	139.80
	KW	2.75	3.09	3.42	3.99	4.38	4.93	5.16	6.13
55 (12.8)	TCG	95.20	87.70	88.40	74.60	75.40	53.90	46.10	60.30
	SDT	78.80	87.10	97.50	104.30	114.70	119.50	127.70	141.70
	KW	2.85	3.13	3.74	3.95	4.56	4.78	5.33	6.25

* AHRI listing applies only to systems shown in Combination Ratings table.

KW – Outdoor Unit Kilowatts Only.

SDT – Saturated Temperature Leaving Compressor (°F)

SST – Saturated Temperature Entering Compressor (°F/°C)

TCG – Gross Cooling Capacity (1000 Btuh)

GUIDE SPECIFICATIONS
GENERAL

System Description

Outdoor-mounted, air-cooled, split-system air conditioner unit suitable for ground or rooftop installation. Unit consists of a hermetic compressor, an air-cooled coil, propeller-type condenser fan, and a control box. Unit will discharge supply air horizontally as shown on contract drawings. Unit will be used in a refrigeration circuit to match up to a packaged fan coil or coil unit.

Quality Assurance

- — Unit will be rated in accordance with the latest edition of AHRI Standard 210.
- — Unit will be certified for capacity and efficiency, and listed in the latest AHRI directory.
- — Unit construction will comply with latest edition of ANSI/ ASHRAE and with NEC.
- — Unit will be constructed in accordance with UL standards and will carry the UL label of approval. Unit will have c-UL approval.
- — Unit cabinet will be capable of withstanding Federal Test
  Method Standard No. 141 (Method 6061) 500-hr salt spray test.
- — Air-cooled condenser coils will be leak tested and pressure tested
- — Unit constructed in ISO9001 approved facility.

Delivery, Storage, and Handling

- — Unit will be shipped as single package only and is stored and handled per unit manufacturer's recommendations.

Warranty (for inclusion by specifying engineer)

- — U.S. and Canada only.

PRODUCTS

Equipment

- — Factory assembled, single piece, air-cooled air conditioner unit. Contained within the unit enclosure is all factory wiring, piping, controls, compressor, refrigerant charge Puron® (R-410A), and special features required prior to field start-up.

Unit Cabinet

- — Unit cabinet will be constructed of galvanized steel, bonderized, and coated with a powder coat paint.

Fans

- — Condenser fan will be direct-drive propeller type, discharging air horizontally.
- — Condenser fan motors will be totally enclosed, 1-phase type with class B insulation and permanently lubricated bearings. Shafts will be corrosion resistant.
- — Fan blades will be statically and dynamically balanced.
- — Condenser fan openings will be equipped with coated steel wire safety guards.

Compressor

- — Compressor will be hermetically sealed.
- — Compressor will be mounted on rubber vibration isolators.

Condenser Coil

- — Condenser coil will be air cooled.
- — Coil will be constructed of aluminum fins mechanically bonded to copper tubes which are then cleaned, dehydrated, and sealed.

Refrigeration Components

- — Refrigeration circuit components will include liquid-line front-seating shutoff valve with sweat connections, vapor-line front-seating shutoff valve with sweat connections, system charge of Puron® (R-410A) refrigerant, and compressor oil.
- — Unit will be equipped with high-pressure switch, low pressure switch and filter drier for Puron refrigerant.

Operating Characteristics

- — The capacity of the unit will meet or exceed _____ Btuh at a suction temperature of _____ °F/°C. The power consumption at full load will not exceed _____ kW.
- — Combination of the unit and the evaporator or fan coil unit will have a total net cooling capacity of _____ Btuh or greater at conditions of _____ CFM entering air temperature at the evaporator at _____ °F/°C wet bulb and _____ °F/°C dry bulb, and air entering the unit at _____ °F/°C.
- — The system will have a SEER of _____ Btuh/watt or greater at DOE conditions.

Electrical Requirements

- — Nominal unit electrical characteristics will be _____ v, single phase, 60 hz. The unit will be capable of satisfactory operation within voltage limits of _____ v to _____ v.
- — Nominal unit electrical characteristics will be _____ v, three phase, 60 hz. The unit will be capable of satisfactory operation within voltage limits of _____ v to _____ v.
- — Unit electrical power will be single point connection.
- — Control circuit will be 24v.

Special Features

- — Refer to section of this literature identifying accessories and descriptions for specific features and available enhancements.

SYSTEM DESIGN SUMMARY

1. Intended for outdoor installation with free air inlet and outlet. Outdoor fan external static pressure available is less than 0.01-in. wc.
2. Minimum outdoor operating air temperature without low-ambient operation accessory is 55°F (12.8°C).
3. Maximum outdoor operating air temperature is 125°F (51.7°C).
4. For reliable operation, unit should be level in all horizontal planes.
5. For interconnecting refrigerant tube lengths greater than 80 ft (23.4 m) and/or 35 ft (10.7 m) vertical differential, consult Residential Piping and Longline Guideline and Service Manual available from equipment distributor.
6. If any refrigerant tubing is buried, provide a 6 in. (152.4 mm) vertical rise to the valve connections at the unit. Refrigerant tubing lengths up to 36 in. (914.4 mm) may be buried without further consideration. Do not bury refrigerant lines longer than 36 in. (914.4 mm).
7. Use only copper wire for electric connection at unit. Aluminum and clad aluminum are not acceptable for the type of connector provided.
8. Do not apply capillary tube indoor coils to these units.
9. Factory-supplied filter drier must be installed.

 Printed in U.S.A. Edition Date: 09/11 **Catalog No: 38HDR–5PD**

Replaces: 38HDR–4PD

Appendix D

Traffic Noise Model Results

Appendix ___
Rincon FHWA Traffic Noise Model

Model Input

Project Name :	GreenDot Animo Project		
Project Number :	21-10990		
Modeling Condition :	Existing		
Ground Type :	Hard	**Peak ratio to ADT:**	0.1
Metric (L_{eq}, L_{dn}, CNEL) :	CNEL	**Traffic Desc. (Peak or ADT) :**	ADT

Segment Number	Roadway	Segment		Traffic Volume	Speed (mph)	Distance to Centerline	Vehicle Cassification Mix (%)					24-Hour Traffic Distribution (%)			K-Factor
		From	To				Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Day	Evening	Night	
1	East Rosecrans Avenue	Standford Avenue	Central Avenue	24,050	40	100	95			3	2	80	5	15	

Model Results

Project Number :	GreenDot Animo Project
Modeling Condition :	21-10990
Ground Type :	Existing
Metric (Leq, Ldn, CNEL) :	CNEL

Segment Number	Roadway	Segment		Noise Levels (dB) CNEL					
		From	To	Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Total
1	East Rosecrans Avenue	Standford Avenue	Central Avenue	66.0	0.0	0.0	57.9	61.0	67.7

Distance to Traffic Noise Contours (feet)				
70 dB	65 dB	60 dB	55 dB	50 dB
59	186	587	1,855	5,867

Appendix E

Vibration Analysis

Groundborne Noise and Vibration Modeling

Notes
The reference distance is measured from the nearest anticipated point of construction equipment to the nearest structure.

	Reference Level Inputs			
Equipment	**PPV_{ref} (in/sec)**	**Lv_{ref} (VdB)**	**RMS_{ref} (in/sec)**	**Reference Distance**
Large bulldozer	0.089	87	0.022	25
Loaded trucks	0.076	83	0.014	25
Jack hammer	0.035	79	0.009	25
Small bulldozer	0.003	58	0.001	25

	Vibration Level at Receiver			
Equipment	**Distance (feet)**	**PPV_x (in/sec)**	**Lv_x (VdB)**	**RMS_x (in/sec)**
Large bulldozer	15	0.1561	92	0.039
Loaded trucks	15	0.1333	88	0.025
Jack hammer	15	0.0614	84	0.016
Small bulldozer	15	0.0053	63	0.001

Source
California Department of Transportation (Caltrans). 2020. Transportation and Construction Vibration Guidance Manual. April 2020. Available at: https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/env/tcvgm-apr2020-a11y.pdf Last Updated: 4/24/2020

Groundborne Noise and Vibration Modeling

Notes
The reference distance is measured from the nearest anticipated point of construction equipment to the nearest structure.

	Reference Level Inputs			
Equipment	**PPV_{ref} (in/sec)**	**Lv_{ref} (VdB)**	**RMS_{ref} (in/sec)**	**Reference Distance**
Large bulldozer	0.089	87	0.022	25
Loaded trucks	0.076	83	0.014	25
Jack hammer	0.035	79	0.009	25
Small bulldozer	0.003	58	0.001	25

	Vibration Level at Receiver			
Equipment	**Distance (feet)**	**PPV_x (in/sec)**	**Lv_x (VdB)**	**RMS_x (in/sec)**
Large bulldozer	30	0.0728	85	0.018
Loaded trucks	30	0.0622	81	0.012
Jack hammer	30	0.0286	77	0.007
Small bulldozer	30	0.0025	56	0.001

Source
California Department of Transportation (Caltrans). 2020. Transportation and Construction Vibration Guidance Manual. April 2020. Available at: https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/env/tcvgm-apr2020-a11y.pdf Last Updated: 4/24/2020

Groundborne Noise and Vibration Modeling

Notes
The reference distance is measured from the nearest anticipated point of construction equipment to the nearest structure.

	Reference Level Inputs			
Equipment	**PPV_{ref} (in/sec)**	**Lv_{ref} (VdB)**	**RMS_{ref} (in/sec)**	**Reference Distance**
Large bulldozer	0.089	87	0.022	25
Loaded trucks	0.076	83	0.014	25
Jack hammer	0.035	79	0.009	25
Small bulldozer	0.003	58	0.001	25

	Vibration Level at Receiver			
Equipment	**Distance (feet)**	**PPV_x (in/sec)**	**Lv_x (VdB)**	**RMS_x (in/sec)**
Large bulldozer	75	0.0266	77	0.007
Loaded trucks	75	0.0227	73	0.004
Jack hammer	75	0.0105	69	0.003
Small bulldozer	75	0.0009	48	0.000

Source
California Department of Transportation (Caltrans). 2020. Transportation and Construction Vibration Guidance Manual. April 2020. Available at: https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/env/tcvgm-apr2020-a11y.pdf Last Updated: 4/24/2020

LINSCOTT LAW & GREENSPAN
engineers

TRANSPORTATION IMPACT ANALYSIS

GREEN DOT ANIMO COMPTON

County of Los Angeles, California
October 13, 2022

Prepared for:

Green Dot Public Schools
1149 S. Hill Street, 6th Floor
Los Angeles, CA 90015

LLG Ref. 1-20-0529-1

Prepared by:
Jason A. Shender, AICP
Transportation Planner III

Under the Supervision of:
David S. Shender, P.E.
Principal

Linscott, Law & Greenspan, Engineers
600 S. Lake Avenue
Suite 500
Pasadena, CA 91106
626.796.2322 T
626.792.0941 F
www.llgengineers.com

TABLE OF CONTENTS

TABLE OF CONTENTS *(continued)*

LIST OF TABLES

TABLE OF CONTENTS *(continued)*

LIST OF FIGURES

TABLE OF CONTENTS *(continued)*

APPENDICES

APPENDIX

TRANSPORTATION IMPACT ANALYSIS

GREEN DOT ANIMO COMPTON

County of Los Angeles, California
October 13, 2022

1.0 INTRODUCTION

1.1 Transportation Impact Analysis Overview

This Transportation Impact Analysis (TIA) has been conducted to identify and evaluate the potential transportation impacts of the proposed Green Dot Animo Compton project (the "Project") on the surrounding street system. The Project Site is located at 900 E. Rosecrans Avenue within the Rosewood/West Rancho Dominguez area of unincorporated Los Angeles County, California (APN 6137-017-001 and 6137-032-033). The Project Site is generally bounded by the Rosecrans Avenue Local Access Road to the north and single-family homes to the south, west, and Cahita Avenue and single-family homes to the east. The Project Site location and general vicinity are shown in ***Figure 1–1***.

The TIA follows County of Los Angeles (the "County") Transportation Impact Analysis Guidelines[1] (TIA Guidelines). The County's TIA Guidelines are focused on transportation metrics that promote: the reduction of greenhouse gas emissions, the development of multimodal networks and access to diverse land uses, as well as safety, sustainability and smart growth. In compliance with the California Environmental Quality Act (CEQA), the County's TIA Guidelines identify Vehicle Miles Traveled (VMT) as the primary metric for evaluating a project's transportation impacts. In addition, the County's TIA Guidelines require evaluation of non-CEQA mobility elements such as project access and circulation.

This TIA (i) presents the Project's existing transportation network context, (ii) forecasts Project-generated traffic, (iii) presents a CEQA assessment of Project-related VMT, (iv) provides a non-CEQA evaluation of Project access and circulation, (v) provides a non-CEQA traffic signal warrant analysis for the Stanford Avenue / Lennon Street and Cahita Avenue – Private Driveway / Rosecrans Avenue intersections, and (vi) presents a non-CEQA queuing analysis for the Project's onsite drop-off/pick-up area.

1.2 Study Area

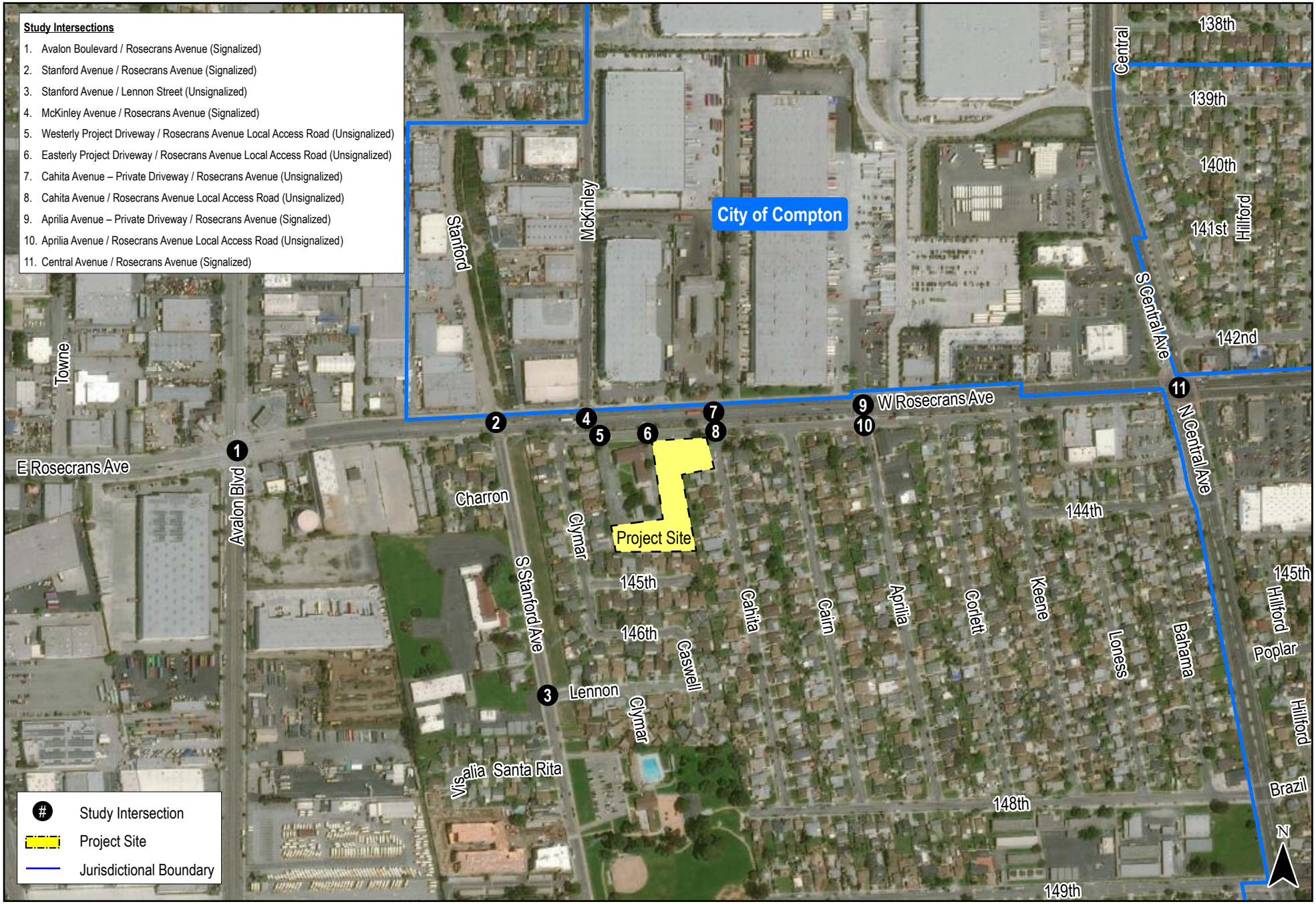
The CEQA and non-CEQA analysis criteria for this TIA were identified in consultation with Los Angeles County Public Works (Public Works) staff, as well as Interwest Consulting Group on behalf of the City of Compton. The analysis criteria were determined based on the County's TIA Guidelines, the proposed Project description and location, and the characteristics of the surrounding transportation system. As defined by the County as Lead Agency under CEQA, Public Works confirmed the appropriateness of the analysis criteria when it approved the TIA

[1] *Los Angeles County Public Works Transportation Impact Analysis Guidelines,* Los Angeles County Public Works, July 23, 2020.

Scope of Work for the Project submitted on March 16, 2022. The approved Scope of Work is contained in ***Appendix A***.

As shown in ***Figure 1–1***, upon coordination with Public Works staff and Interwest Consulting Group on behalf of the City of Compton, the following 11 study intersections have been identified for evaluation during the weekday morning and afternoon peak hours:

1. Avalon Boulevard / Rosecrans Avenue (County of Los Angeles) (signalized)
2. Stanford Avenue / Rosecrans Avenue (County of Los Angeles) (signalized)
3. Stanford Avenue / Lennon Street (County of Los Angeles) (unsignalized)
4. McKinley Avenue / Rosecrans Avenue (County of Los Angeles) (signalized)
5. Westerly Project Driveway / Rosecrans Avenue Local Access Road (County of Los Angeles) (unsignalized)
6. Easterly Project Driveway / Rosecrans Avenue Local Access Road (County of Los Angeles) (unsignalized)
7. Cahita Avenue – Private Driveway / Rosecrans Avenue (County of Los Angeles) (unsignalized)
8. Cahita Avenue / Rosecrans Avenue Local Access (County of Los Angeles) (unsignalized)
9. Aprilia Avenue – Private Driveway / Rosecrans Avenue (County of Los Angeles) (signalized)
10. Aprilia Avenue / Rosecrans Avenue Local Access Road (County of Los Angeles) (unsignalized)
11. Central Avenue / Rosecrans Avenue (City of Compton) (signalized)



U:\0529\gis
Date: 2/9/2022
Time: 2:15 PM

Maxar

Figure 1-1
Vicinity Map and Study Intersections

2.0 PROJECT DESCRIPTION

2.1 Project Site Location

The Project Site is located at 900 E. Rosecrans Avenue within Rosewood/West Rancho Dominguez area of unincorporated Los Angeles County, California (APN 6137-017-001 and 6137-032-033), within the County's Second Supervisorial District. The Project Site is generally bounded by the Rosecrans Avenue Local Access Road to the north, single-family homes to the south and west, and Cahita Avenue and single-family homes to the east. The Project Site location and general vicinity are shown in ***Figure 1–1***.

2.2 Existing Project Site

The Project Site is currently improved with a day care center providing 5,646 square feet of floor area, a church providing 12,567 square feet of floor area, and an associated surface parking lot. There are currently 82 striped parking spaces serving the existing Project Site. Access to the Project Site is provided via one inbound-only driveway and one outbound-only driveway along the south side of the Rosecrans Avenue Local Access Road. The A.L.T.A/N.S.P.S. Land Title Survey for the existing site is displayed in ***Figure 2–1***.

2.3 Project Description

The Project proposes the development and construction of a public charter middle/high school accommodating a maximum enrollment of 600 students. Specifically, the Project proposes to serve 180 students in the 6th through 8th grades and 420 students in the 9th through 12th grades.

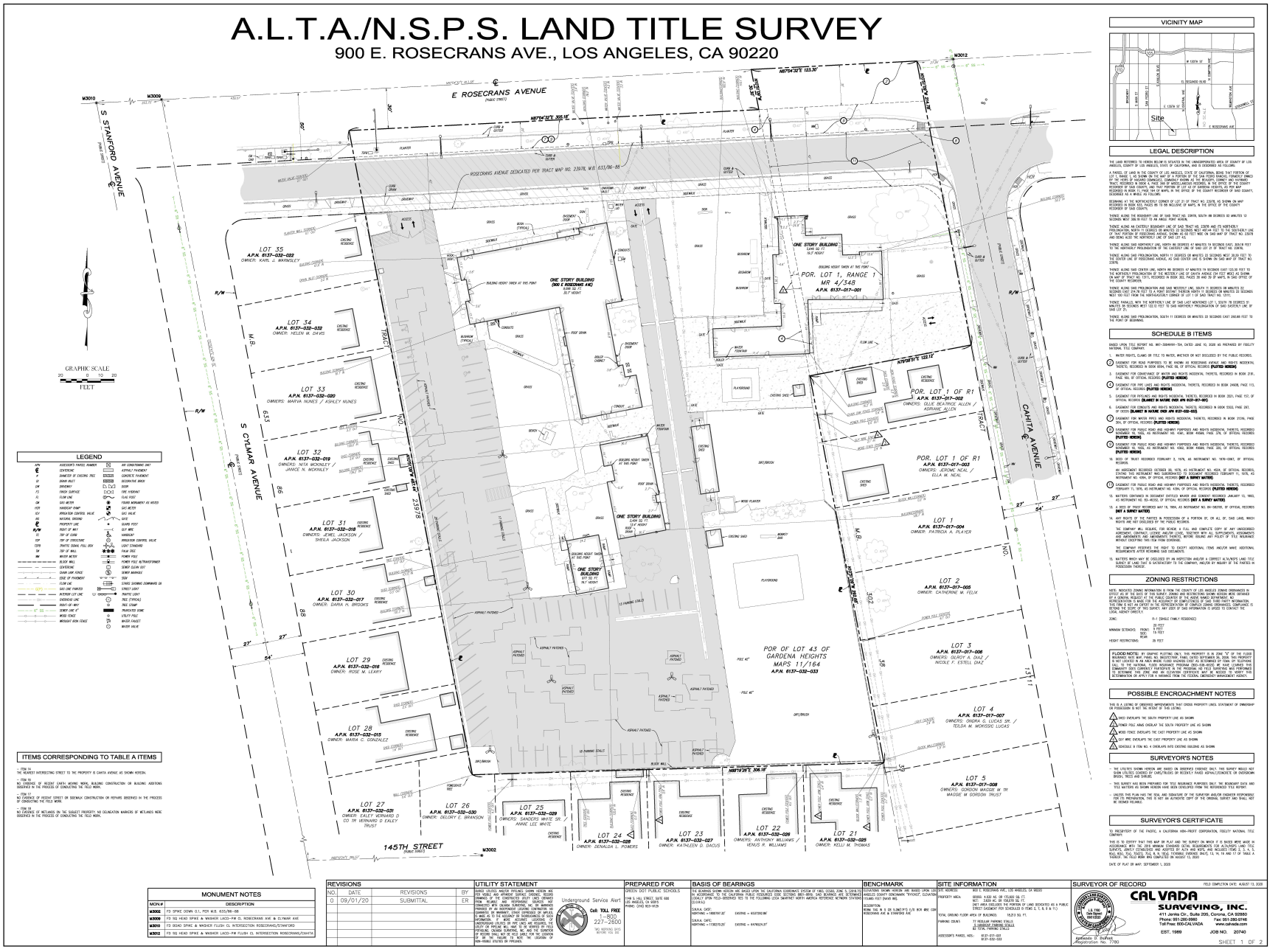
The Project proposes to construct a new two-story classroom building on the eastern portion of the Project Site with a total of 26 standard classrooms and four (4) laboratory classrooms. Additionally, the Project will repurpose the existing preschool building at the northeasterly portion of the Project Site into a multipurpose room, administrative uses, restrooms, a breakroom, and a servery. No changes to the existing church are proposed as part of the Project.

Parking for the Project will be provided within the existing surface parking lot. While the Project and the existing church will share a parking lot, parking will be provided per the County Code requirements. The parking lot will be restriped and will provide a total of 61 parking spaces for the Project and 80 parking spaces for the church. Parking for the Project will be for staff and visitors only, as students will not be permitted to drive themselves to school. Construction and occupancy of the Project is proposed to be completed by the year 2023. The Project site plan, which illustrates the facilities and parking areas for both the Project and existing church to remain is illustrated in ***Figure 2–2***.

It is noted that Green Dot Public Schools currently operates a school at a temporary facility located at 13305 San Pedro Street, Los Angeles, CA, 90061. The existing school is located approximately 0.9-mile northwest of the Project Site and currently has a total enrollment of 216 students and 20 staff members. If the Project is ultimately approved and constructed, operations at the temporary facility would cease and moved to the Project.

If ultimately approved, the start and dismissal times of the Project's middle school and high school components will be staggered by a minimum of 20 minutes. For example, the middle school component (i.e., Grades 6 through 8) would commence at 8:10 AM, and the high school component (i.e., Grades 9 through 12) would commence at 8:30 AM. By staggering the student start and dismissal times by 20 minutes, the arrival of traffic is dispersed over a longer period of time.

The existing school does not hold special events, and this will continue upon build-out and occupancy of the Project. Events such as parent-teacher conferences will be held onsite but will be scheduled throughout the day as to not have a negative effect on student drop-off/pick-up operations, onsite parking, and traffic on the surrounding roadways during the weekday AM and PM peak hours.



U:\0529\gis
Date: 9/23/2021
Time: 1:10 PM

Figure 2-1
A.L.T.A./N.S.P.S. Land Title Survey

Green Dot Animo Compton

U:\0529\gis
Date: 11/17/2021
Time: 2:46 PM

Figure 2-2
Project Site Plan

2.4 Vehicular Project Site Access

Vehicular access to the Project Site will be provided by one inbound-only driveway along the south side of the Rosecrans Avenue Local Access Road (the "Westerly Project Driveway"). The Westerly Project driveway will provide access to the onsite student drop-off/pick-up area within the surface parking lot. The Westerly Project Driveway will accommodate left- and right-turn ingress movements only (i.e., left- and right-turn egress movements will be prohibited). Egress from the onsite student drop-off/pick-up area will be provided by one outbound-only driveway along the south side of the Rosecrans Avenue Local Access Road (the "Easterly Project Driveway"), with vehicles directed northbound towards the Rosecrans Avenue Local Access Road. The Easterly Project Driveway will provide right-turn egress movements only (i.e., left- and right-turn ingress and left-turn egress movements will be prohibited). The vehicular path travel is illustrated in ***Figure 2–3***.

2.5 Pedestrian and Bicycle Project Site Access

Pedestrian access to the Project Site will be via one gate along the Rosecrans Avenue Local Access Road. The Project will provide access locations to ensure pedestrian safety in compliance with County standards (e.g., provide sidewalks and crosswalks, and other pedestrian traffic controls). The separate pedestrian entrance will provide access from the nearby public transit stops, the surrounding residences, and other destinations within the Project vicinity. The pedestrian path travel is illustrated in ***Figure 2–3***.

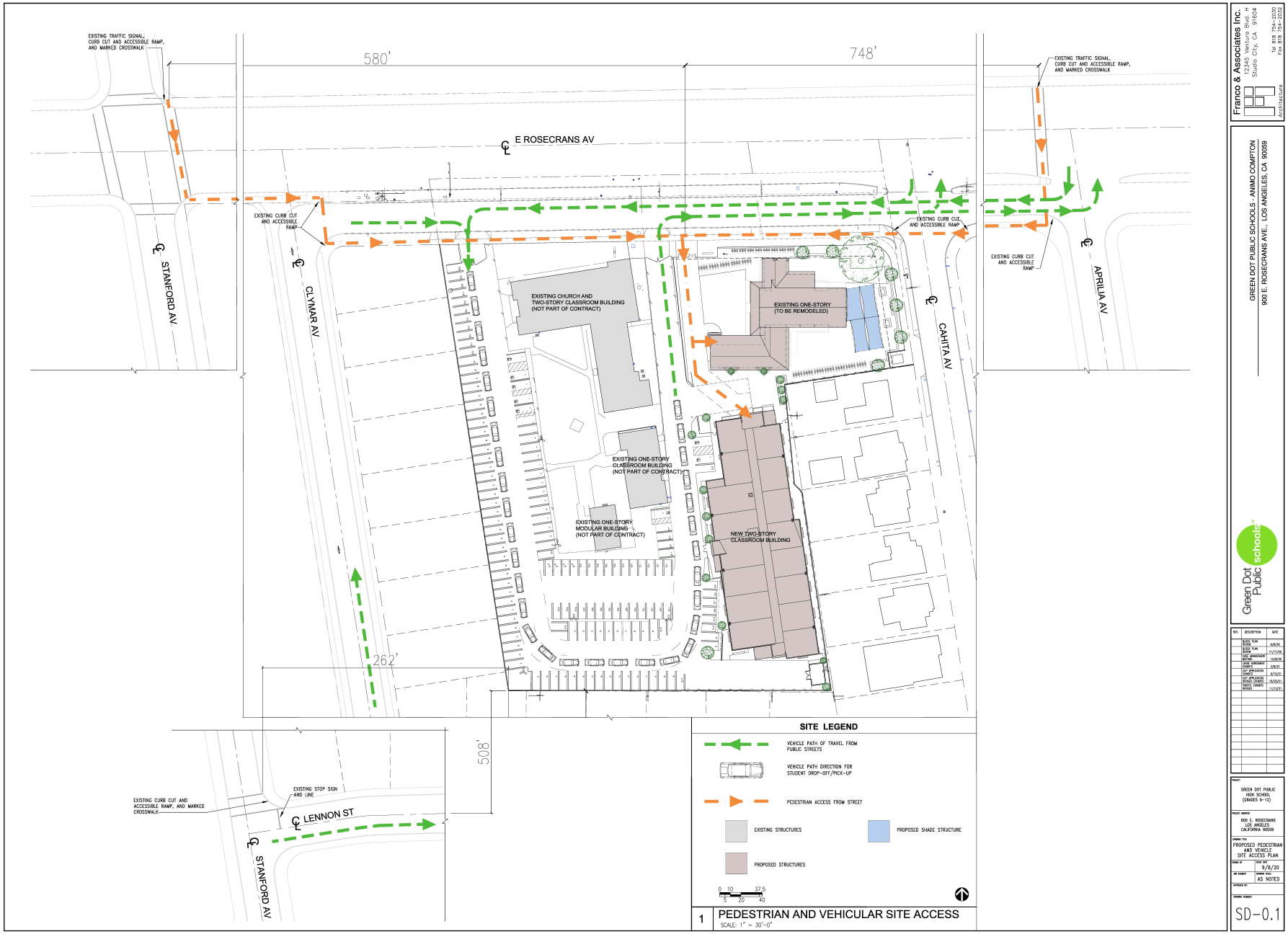
Bicycle access to the Project Site will continue to be provided via the Rosecrans Avenue Local Access Road. The Project will provide 120 bicycle parking spaces onsite.

2.6 Project Parking

Parking for the Project will be provided within the existing surface parking lot. While the Project and the existing church will share a parking lot, parking will be provided per the County Code requirements. The parking lot will be restriped and will provide a total of 61 parking spaces for the Project and 80 parking spaces for the church. Parking for the Project will be for staff and visitors only, as students will not be permitted to drive themselves to school. Access to the Project's surface parking lot will be provided vis the Westerly Project Driveway.

2.7 Project Service Area

Loading activities associated with service and delivery operations will occur off-street and within the Project Site. Trash and recycling facilities will be placed in the southeasterly portion of the Project Site. The locations of the trash and recycling facilities are shown in ***Figure 2–2***.



U:\0529\gis
Date: 11/17/2021
Time: 2:55 PM

Figure 2-3
Project Path of Travel Plan

2.8 Project Traffic Generation and Distribution

2.8.1 *Project Traffic Generation*

Traffic generation is expressed in vehicle trip ends, defined as one-way vehicular movements, either entering or exiting the generating land use. Traffic volumes expected to be generated by the Project during the weekday AM and PM peak hours were estimated using rates provided in the ITE *Trip Generation Manual*. The following trip generation rates were used to forecast the traffic volumes expected to be generated by the Project:

- Charter Middle School: ITE Land Use Code 522 (Middle School) trip generation average rates were used to forecast the traffic volumes expected to be generated by the charter middle school component of the Project.

- Charter High School: ITE Land Use Code 530 (High School) trip generation average rates were used to forecast the traffic volumes expected to be generated by the charter high school component of the Project.

- Existing Church to Remain: ITE Land Use Code 560 (Church) trip generation average rates were used to forecast the traffic volumes expected to be generated by the existing church to remain.

In addition to the trip generation forecasts for the Project (which are essentially an estimate of the number of vehicles that could be expected to enter and exit the Project Site access points), an adjustment was made to the trip generation forecast based on the Project Site's existing land uses. The existing land uses include a day care center providing 5,646 square feet of floor area, as well as the existing church to remain, which provides 12,567 square feet of floor area. The trips associated with these existing land uses will be subtracted from the projected Project trips to account for the existing environmental condition. ITE Land Use Code 565 (Day Care Center) and ITE Land Use Code 560 (Church) trip generation average rates were used to estimate the trip reduction related to the existing uses.

The trip generation forecast for the Project was submitted for review and approval by Public Works staff. As presented in ***Table 2–1***, the Project is expected to generate 260 net new vehicle trips (169 inbound trips and 91 outbound trips) during the AM peak hour. During the PM peak hour, the Project is expected to generate 27 net new vehicle trips (13 inbound trips and 14 outbound trips). Over a 24-hour period, the Project is forecast to generate 967 net new vehicle daily trips ends (484 inbound trips and 483 outbound trips) during a typical weekday.

2.8.2 *Project Traffic Distribution and Assignment*

Project traffic volumes both entering and exiting the Project Site have been distributed and assigned to the adjacent street system based on the following considerations:

- The Project Site's proximity to major traffic corridors (Rosecrans Avenue, Avalon Boulevard, I-105 Freeway, I-110 Freeway, SR-91 Freeway, etc.);

- Expected localized traffic flow patterns based on adjacent roadway channelization and presence of traffic signals;
- Existing intersection traffic volumes;
- Ingress/egress availability at the Project Site assuming the site access and circulation scheme described in Section 2.4;
- The location of proposed parking areas;
- Nearby population and employment; and
- Input from Public Works staff.

The general, directional traffic distribution patterns for Project-related trips bound to the Project Site is presented in ***Figure 2–4***. The forecasted new weekday AM and PM peak hour Project traffic volumes at the study intersections associated with the proposed Project are presented in ***Figure 2–5***. The traffic volume assignments presented in ***Figure 2–5*** reflect the traffic distribution characteristics shown in ***Figure 2–4*** and the Project traffic generation forecast presented in ***Table 2–1***.

Table 2-1
PROJECT TRIP GENERATION [1]

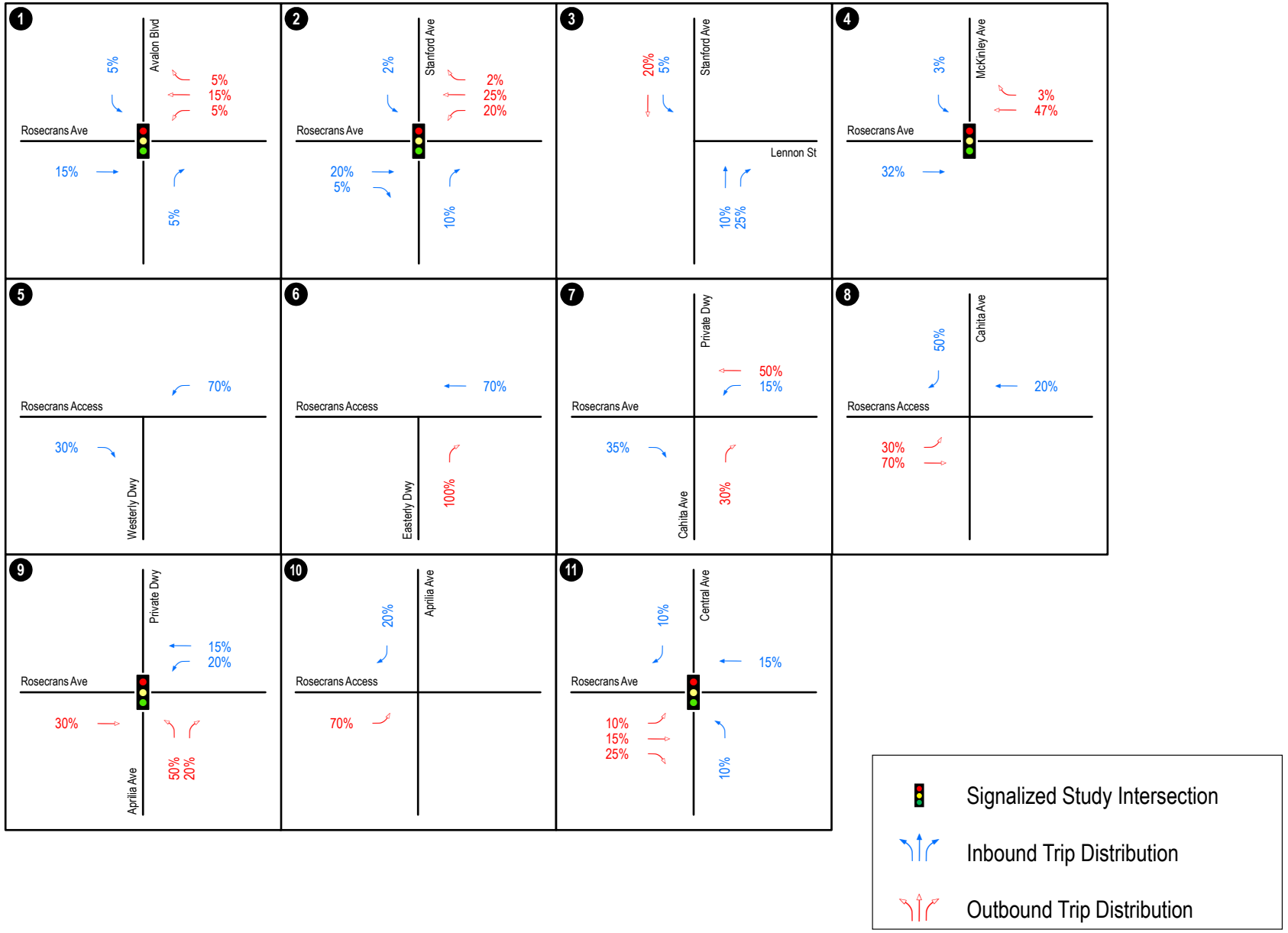
LAND USE	SIZE	DAILY TRIP ENDS VOLUMES [2]			AM PEAK HOUR VOLUMES [2], [3]			PM PEAK HOUR VOLUMES [2], [3]		
		IN	OUT	TOTAL	IN	OUT	TOTAL	IN	OUT	TOTAL
Proposed Project										
Charter Middle School [4]	180 Students	192	191	383	56	48	104	15	16	31
Charter High School [5]	420 Students	427	426	853	146	72	218	28	31	59
Existing Church to Remain [6], [7]	12,567 GSF	44	43	87	2	2	4	3	3	6
Subtotal Project Driveway Trips		**663**	**660**	**1,323**	**204**	**122**	**326**	**46**	**50**	**96**
Existing Site										
Day Care Center [7], [8]	(5,646) GSF	(135)	(134)	(269)	(33)	(29)	(62)	(30)	(33)	(63)
Existing Church to Remain [6], [7]	(12,567) GSF	(44)	(43)	(87)	(2)	(2)	(4)	(3)	(3)	(6)
Subtotal Existing Driveway Trips		**(179)**	**(177)**	**(356)**	**(35)**	**(31)**	**(66)**	**(33)**	**(36)**	**(69)**
NET INCREASE DRIVEWAY TRIPS		**484**	**483**	**967**	**169**	**91**	**260**	**13**	**14**	**27**

[1] Source: *ITE Trip Generation Manual* , 10th Edition, 2017.
[2] Trips are one-way traffic movements, entering or leaving.
[3] Peak Hour of Adjacent Street Traffic, One Hour Between 7:00 AM and 9:00 AM (AM Peak Hour) and 4:00 PM and 6:00 PM (PM Peak Hour).
[4] ITE Land Use Code 522 (Middle School) trip generation average rates per number of students.
- Daily Trip Rate: 2.13 trips/student; 50% inbound and 50% outbound
- AM Peak Hour Trip Rate: 0.58 trips/student; 54% inbound/46% outbound
- PM Peak Hour Trip Rate: 0.17 trips/student; 49% inbound/51% outbound

[5] ITE Land Use Code 530 (High School) trip generation average rates per number of students.
- Daily Trip Rate: 2.03 trips/student; 50% inbound and 50% outbound
- AM Peak Hour Trip Rate: 0.52 trips/student; 67% inbound/33% outbound
- PM Peak Hour Trip Rate: 0.14 trips/student; 48% inbound/52% outbound

[6] ITE Land Use Code 560 (Church) trip generation average rates.
- Daily Trip Rate: 6.95 trips/1,000 SF of floor area; 50% inbound/50% outbound
- AM Peak Hour Trip Rate: 0.33 trips/1,000 SF of floor area; 60% inbound/40% outbound
- PM Peak Hour Trip Rate: 0.49 trips/1,000 SF of floor area; 45% inbound/55% outbound

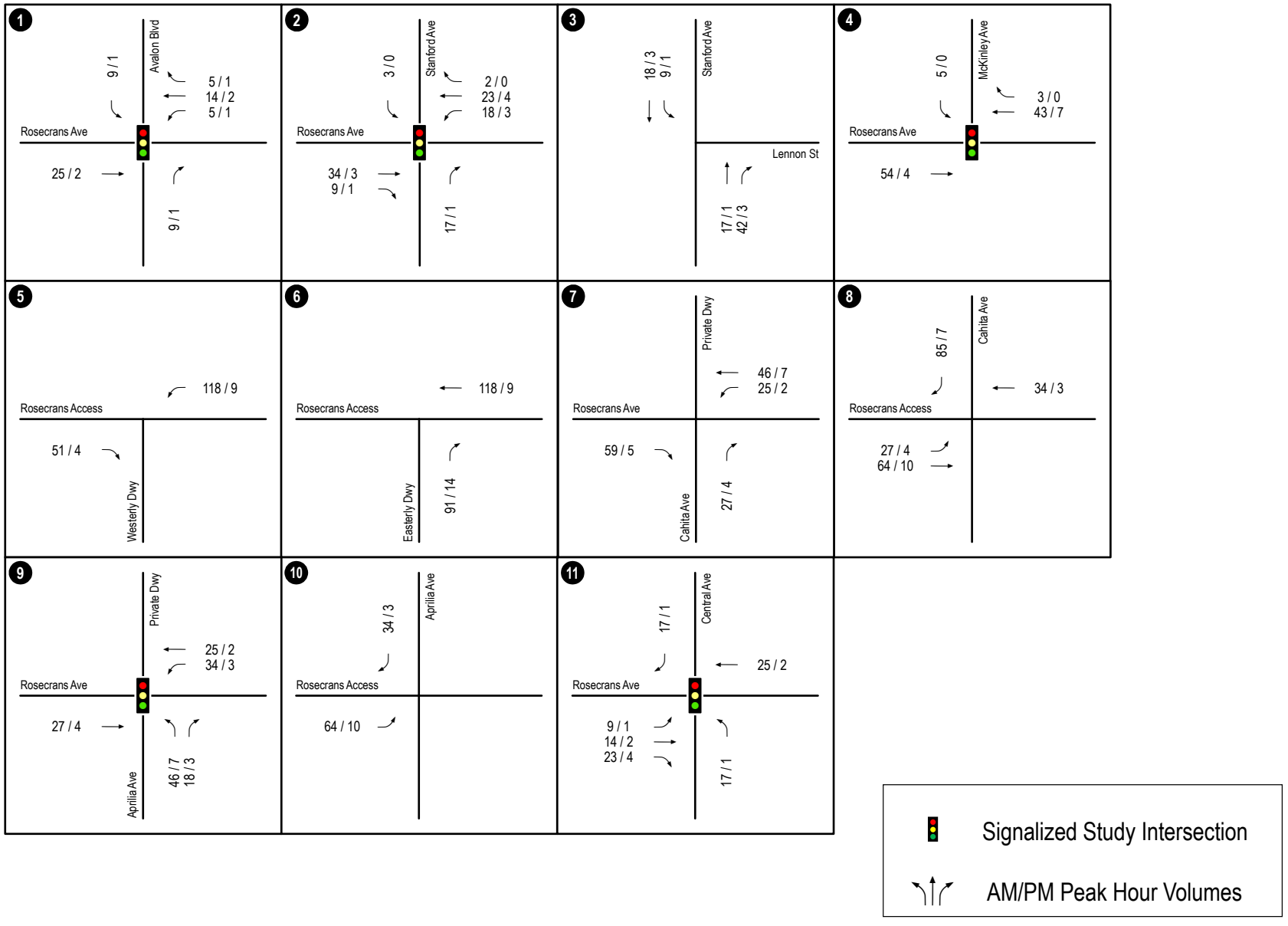
[7] Floor areas from A.L.T.A./N.S.P.S. Land Title Survey.
[8] ITE Land Use Code 565 (Day Care Center) trip generation average rates per number of students.
- Daily Trip Rate: 47.62 trips/1,000 SF of floor area; 50% inbound/50% outbound
- AM Peak Hour Trip Rate: 11.00 trips/1,000 SF of floor area; 53% inbound/47% outbound
- PM Peak Hour Trip Rate: 11.12 trips/1,000 SF of floor area; 47% inbound/53% outbound



LINSCOTT LAW & GREENSPAN engineers

U:\0529\gis
Date: 9/14/2022
Time: 4:30 PM

Figure 2-4
Project Trip Distribution



LINSCOTT LAW & GREENSPAN engineers

U:\0529\gis
Date: 9/15/2022
Time: 1:32 PM

Figure 2-5
Net New Project Traffic Volumes

3.0 PROJECT SITE CONTEXT

The following sections will provide an overview of the transportation infrastructure in the vicinity of the Project, including infrastructure which supports both motorized and non-motorized transportation modes.

3.1 Non-Vehicle Network

Non-vehicular transportation generally encompasses walking, bicycling, and other active transportation modes. Distinct facilities are often provided for these non-vehicular modes. Most prominently, paved sidewalks are typically provided to facilitate pedestrian travel outside of the roadway. In some cases, bicycle facilities such as striped bicycle lanes or separated bicycle paths are provided within the roadway in order to separate bicycle traffic from vehicular traffic. Roadways which are designed to provide non-vehicular transportation modes utilize complimentary non-vehicular infrastructure in order to promote comfortable, safe travel for both pedestrians and bicyclists. A review of the pedestrian and bicycle infrastructure in the vicinity of the Project Site is provided below.

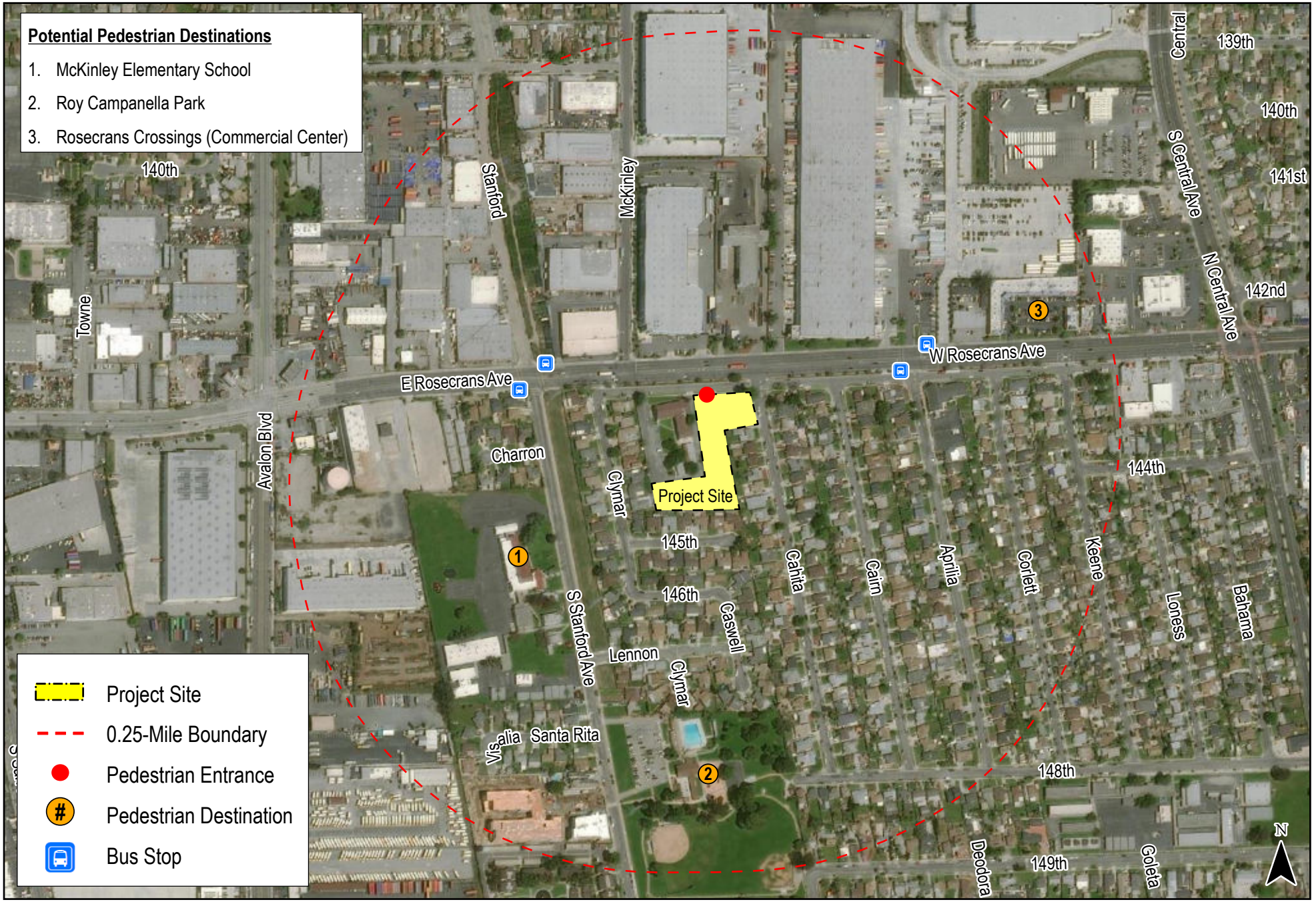
3.1.1 *Pedestrian System*

Pedestrian infrastructure consists of facilities such as sidewalks, crosswalks, pedestrian signals, curb access ramps, Americans with Disabilities Act (ADA) compliant tactile warning strips, and curb extensions, among other things. Public sidewalks and pedestrian facilities are provided on most roadways within the vicinity of the Project Site, including the Rosecrans Avenue Local Access Road and Cahita Avenue. Potential pedestrian destinations located within an approximately one-quarter mile radius (i.e., 1,320 feet) from the Project Site are noted in ***Figure 3–1***. ***Figure 3–2*** shows the existing pedestrian and transit facilities within an approximately one-quarter mile radius (i.e., 1,320 feet) from the Project Site. Curb ramps with ADA-compliant tactile warning strips are provided at the adjacent signalized intersections.

The Project has been designed to encourage pedestrian activity and walking as a transportation mode. An ADA-accessible path of travel will be provided from the building entrances to the sidewalk along the Project's Rosecrans Avenue Local Access Road frontage. Street trees and street plantings should be introduced along the public frontages in accordance with County standards.

3.1.2 *Bicycle Network*

Bicycle infrastructure consists of both facilities within the roadway as well as public bicycle parking spaces. The Federal and State transportation systems recognize four primary bikeway facilities: Bicycle Paths (Class I), Bicycle Lanes (Class II), Bicycle Routes (Class III), and Separated Bikeways (Class IV). Bicycle Paths (Class I) are exclusive car-free facilities that are typically not located within a roadway area. Bicycle Lanes (Class II) are part of the street design that is dedicated only for bicycles and identified by a striped lane separating vehicle lanes from bicycle lanes. Bicycle Routes (Class III) are preferably located on collector and lower volume arterial streets. Separated Bikeways (Class IV) are similar to Bicycle Lanes (Class II), but also provide physical separation between vehicle lanes and bicycle lanes.



LINSCOTT LAW & GREENSPAN engineers

U:\0529\gis
Date: 3/8/2022
Time: 3:33 PM

Maxar

Figure 3-1
Potential Pedestrian Destinations

LINSCOTT LAW & GREENSPAN engineers

U:\0529\gis
Date: 2/22/2022
Time: 10:00 AM

Maxar

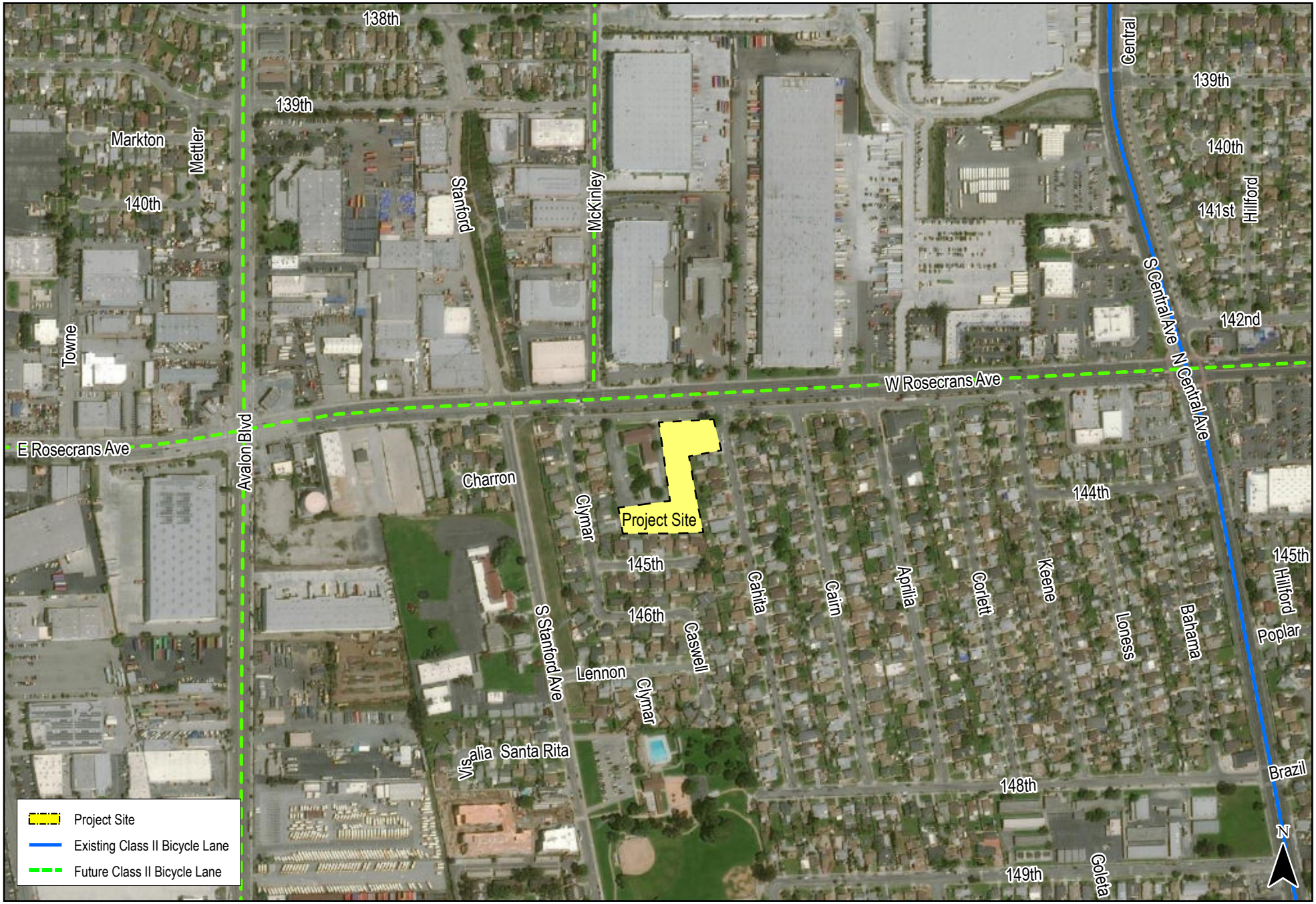
Figure 3-2
Pedestrian and Transit Facilities Inventory

Within the City of Compton's jurisdiction, Class II Bicycle Lanes are provided in each direction on Central Avenue within the Project study area. Future bicycle infrastructure projects within the Project study area have been identified in the County's Bicycle Master Plan[2] and the City of Compton's Bicycle Master Plan.[3] Within the County's Bicycle Master Plan, Class II Bicycle Lanes are proposed for Rosecrans Avenue and Avalon Boulevard in the Project Study area. Within the City of Compton's Bicycle Master Plan, Class II Bicycle Lanes are recommended for Rosecrans Avenue and McKinley Avenue within the Project study area. The existing and proposed bicycle facilities within the Project study area are illustrated in ***Figure 3–3***. It is noted that the Project would not preclude the County nor the City of Compton from installing future bicycle infrastructure on any roadway within the Project study area.

3.2 Transit Framework

The Project Site is currently served by various local bus lines via stops located within convenient walking distance along Rosecrans Avenue. Public transit service in the Project Site area is currently provided by the Los Angeles County Metropolitan Transit Authority (Metro). A summary of the existing transit service, including the transit route, destinations, and peak hour headways is presented in ***Table 3–1***. The existing public transit routes in the Project Site vicinity are illustrated in ***Figure 3–4***. As summarized in ***Table 3–1***, a total of four (4) public transit routes provide service within the immediate vicinity of the Project Site.

[2] *County of Los Angeles Bicycle Master Plan,* Alta Planning + Design, Adopted March 13, 2012.
[3] *City of Compton Bicycle Master Plan,* Alta Planning + Design, May 2015.



LINSCOTT LAW & GREENSPAN engineers

U:\0529\gis
Date: 3/10/2022
Time: 3:26 PM

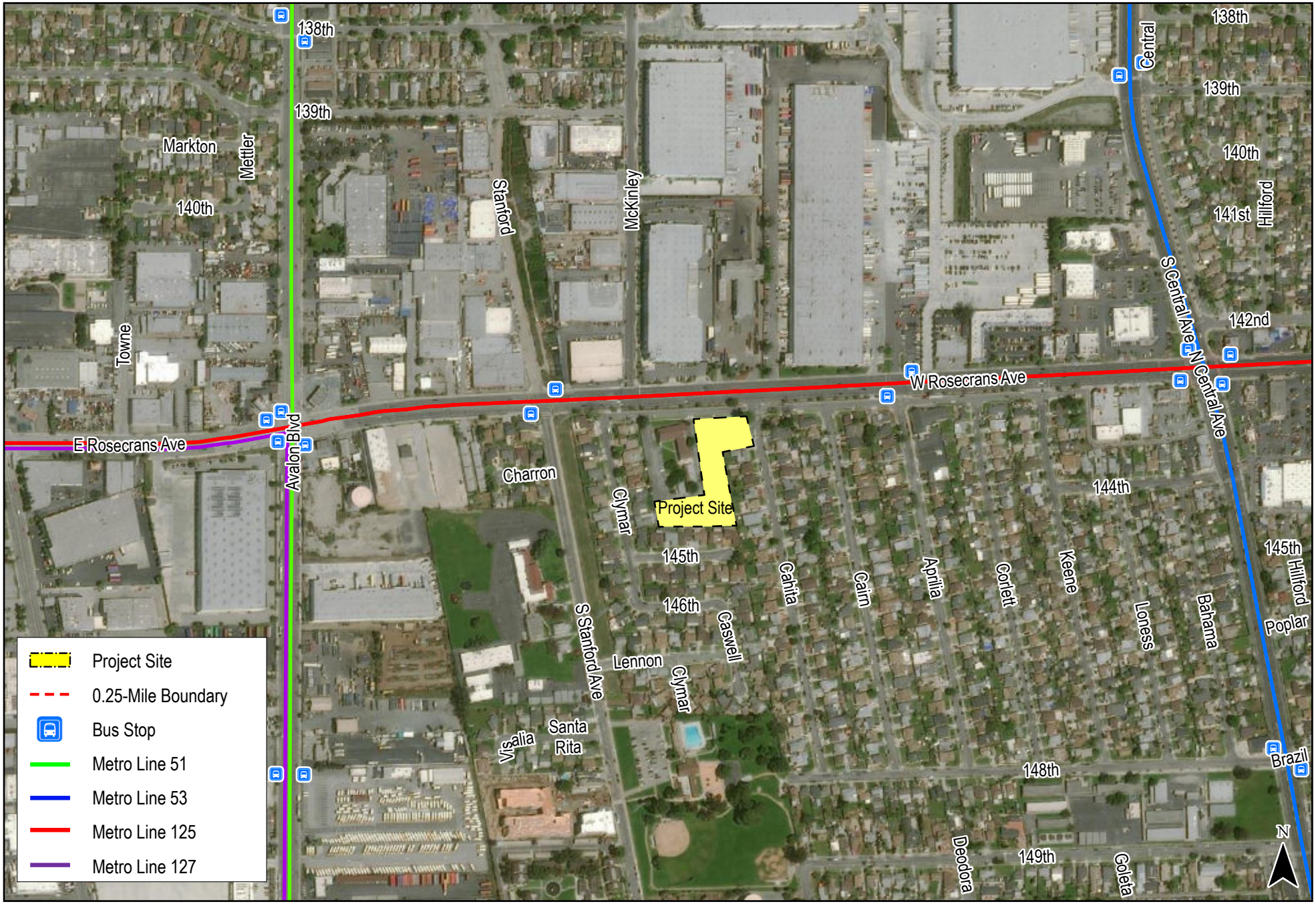
Maxar

Figure 3-3
Existing and Proposed Bicycle Network

Table 3-1
EXISTING PUBLIC TRANSIT ROUTES [1]

ROUTE	DESTINATIONS	ROADWAY(S) NEAR SITE	NO. OF BUSES DURING PEAK HOUR		
			DIR	AM	PM
Metro 51	Wilshire Center to CSU Dominguez Hills (via 7th Street and Avalon Boulevard)	Avalon Boulevard	NB SB	3 3	3 4
Metro 53	Downtown Los Angeles to CSU Dominguez Hills (via Central Avenue)	Central Avenue	NB SB	3 3	2 3
Metro 125	El Segundo to Norwalk Station (via Rosecrans Avenue)	Rosecrans Avenue	EB WB	4 3	3 3
Metro 127	Harbor Freeway Station to Downey Depot Transit Center (via Compton Boulevard and Broadway)	Avalon Boulevard, Rosecrans Avenue	NB/EB SB/WB	1 1	2 2
			Total	**21**	**22**

[1] Source: Los Angeles County Metropolitan Transportation Authority (Metro) website, 2022.



LINSCOTT LAW & GREENSPAN engineers

U:\0529\gis
Date: 3/8/2022
Time: 3:00 PM

Maxar

Figure 3-4
Existing Public Transit Routes

3.3 Vehicle Network

3.3.1 *Regional Highway Access*

Regional vehicular access to the Project Site is primarily provided by the I-105 (Glenn Anderson) Freeway, I-110 (Harbor) Freeway, and the SR-91 (Gardena) Freeway. Brief descriptions of the I-105 Freeway, I-110 Freeway, and SR-91 Freeway are provided in the following paragraphs.

I-105 (Glenn Anderson) Freeway is an east-west freeway that extends from El Segundo to Norwalk. In the Project vicinity, four freeway lanes (one carpool lane and three mixed-flow freeway lanes) are provided in each direction on the I-105 Freeway with auxiliary merge/weave lanes provided between some interchanges. Eastbound and westbound ramps are provided on the I-105 Freeway at Central Avenue and are located approximately 2.2 miles northeast of the Project Site.

I-110 (Harbor) Freeway is a north-south oriented freeway that extends from Downtown Los Angeles to the San Pedro area of the City of Los Angeles. North of Downtown Los Angeles, the I-110 Freeway becomes the SR-110 (Arroyo Seco Parkway) Freeway and extends to Pasadena. In the Project vicinity, six freeway lanes (one Metro J Line [Silver] lane, one Metro express lane, and four mixed-flow freeway lanes) are provided in each direction on the I-110 Freeway with auxiliary merge/weave lanes provided between some interchanges. Northbound and southbound ramps are provided on the I-110 Freeway at Normandie Avenue in the Project vicinity and are located approximately 1.7 mile southeast of the Project Site, respectively.

SR-91 (Gardena) Freeway is an east-west freeway that extends from Gardena to Riverside. In the Project vicinity, five freeway lanes (one carpool lane and four mixed-flow freeway lanes) are provided in the eastbound direction on the SR-91 Freeway with auxiliary merge/weave lanes provided between some interchanges. In the Project vicinity, five mixed-flow freeway lanes are provided in the westbound direction on the SR-91 Freeway with auxiliary merge/weave lanes provided between some interchanges. Eastbound and westbound ramps are provided on the SR-91 Freeway at Avalon Boulevard and Central Avenue and are located approximately 2.5 miles southwest and 2.5 miles southeast of the Project Site, respectively.

3.3.2 *Local Roadway System*

The following study intersections were selected in consultation with Public Works staff and Interwest Consulting Group on behalf of the City of Compton for analysis of potential traffic operations deficiencies due to the Project:

1. Avalon Boulevard / Rosecrans Avenue (County of Los Angeles) (signalized)
2. Stanford Avenue / Rosecrans Avenue (County of Los Angeles) (signalized)
3. Stanford Avenue / Lennon Street (County of Los Angeles) (unsignalized)
4. McKinley Avenue / Rosecrans Avenue (County of Los Angeles) (signalized)

5. Westerly Project Driveway / Rosecrans Avenue Local Access Road (County of Los Angeles) (unsignalized)

6. Easterly Project Driveway / Rosecrans Avenue Local Access Road (County of Los Angeles) (unsignalized)

7. Cahita Avenue – Private Driveway / Rosecrans Avenue (County of Los Angeles) (unsignalized)

8. Cahita Avenue / Rosecrans Avenue Local Access (County of Los Angeles) (unsignalized)

9. Aprilia Avenue – Private Driveway / Rosecrans Avenue (County of Los Angeles) (signalized)

10. Aprilia Avenue / Rosecrans Avenue Local Access Road (County of Los Angeles) (unsignalized)

11. Central Avenue / Rosecrans Avenue (City of Compton) (signalized)

The Avalon Boulevard / Rosecrans Avenue, Stanford Avenue / Rosecrans Avenue, McKinley Avenue / Rosecrans Avenue, Aprilia Avenue – Private Driveway / Rosecrans Avenue, and Central Avenue / Rosecrans Avenue intersections are presently controlled by traffic signals. The Stanford Avenue / Lennon Street intersection is a two-way stop-controlled intersection (i.e., stop signs face the westbound Lennon Street approach). The Easterly Project Driveway / Rosecrans Avenue Local Access Road intersection is a two-way stop-controlled intersection (i.e., stop sign faces the northbound Easterly Project Driveway approach). The Cahita Avenue – Private Driveway / Rosecrans Avenue intersection is a two-way stop-controlled intersection (i.e., stop signs face the northbound Cahita Avenue and southbound Private Driveway approaches). The Cahita Avenue / Rosecrans Avenue Local Access Road and Aprilia Avenue / Rosecrans Avenue Local Access Road intersections are three-way stop-controlled intersections (i.e., stop signs face the northbound approach, as well as the eastbound and westbound Rosecrans Avenue Local Access Road approaches. The existing lane configurations at the 11 study intersections are displayed in ***Figure 3–5***.

3.3.3 *Roadway Descriptions*

Immediate access to the Project Site is provided via the Rosecrans Avenue Local Access Road. A brief description[4] of the roadways in the Project vicinity is provided below.

Avalon Boulevard is a north-south oriented roadway located west of the Project Site. Within the Project study area, Avalon Boulevard is designated as a Major Highway by the County. Two through travel lanes are provided in each direction on Avalon Boulevard within the Project study area. On-street parking is generally permitted on either side of Avalon Boulevard within the

[4] For reference, the street descriptions provided include designations under the Los Angeles County Highway Plan and the Circulation Element of the *City of Compton General Plan 2030,* City of Compton, January 2011.

Project study area. Separate exclusive left-turn lanes are provided in each direction on Avalon Boulevard at the Rosecrans Avenue intersection. Additionally, a separate exclusive right-turn lanes is provided in the northbound direction on Avalon Boulevard at the Rosecrans Avenue intersection. Avalon Boulevard has a posted speed limit of 40 miles per hour within the Project study area.

Stanford Avenue is a north-south oriented roadway located west of the Project Site. Within the Project study area, Stanford Avenue is designated as a Local Street by the County and the City of Compton. One through travel lane is provided in each direction on Stanford Avenue within the Project study area. On-street parking is generally permitted on either side of Stanford Avenue within the Project study area. There is no speed limit posted on Stanford Avenue north of Rosecrans Avenue within the Project study area, thus a prima facie speed limit of 25 miles per hour is assumed, consistent with California Vehicle Code Section 22352(b)(1). Stanford Avenue has a posted speed limit of 35 miles per hour south of Rosecrans Avenue within the Project study area.

McKinley Avenue is a north-south oriented roadway located north of the Project Site. Within the Project study area, McKinley Avenue is designated as a Local Street by the County and the City of Compton. One through travel lane is provided in each direction on McKinley Avenue within the Project study area. On-street parking is generally permitted on the west side of McKinley Avenue within the Project study area. Separate exclusive left- and right-turn lanes are provided in the southbound direction on McKinley Avenue at the Rosecrans Avenue intersection. There is no speed limit posted on McKinley Avenue within the Project study area, thus a prima facie speed limit of 25 miles per hour is assumed, consistent with California Vehicle Code Section 22352(b)(1).

Cahita Avenue is a north-south oriented roadway that borders the Project Site to the east. Within the Project study area, Cahita Avenue is designated as a Local Street by the County. One through travel lane is provided in each direction on Cahita Avenue within the Project study area. On-street parking is generally permitted on either side of Cahita Avenue within the Project study area. Cahita Avenue has a posted speed limit of 25 miles per hour within the Project study area.

Aprilia Avenue is a north-south oriented roadway located east of the Project Site. Within the Project study area, Aprilia Avenue is designated as a Local Street by the County. One through travel lane is provided in each direction on Aprilia Avenue within the Project study area. On-street parking is generally permitted on either side of Aprilia Avenue within the Project study area. Aprilia Avenue has a posted speed limit of 25 miles per hour within the Project study area.

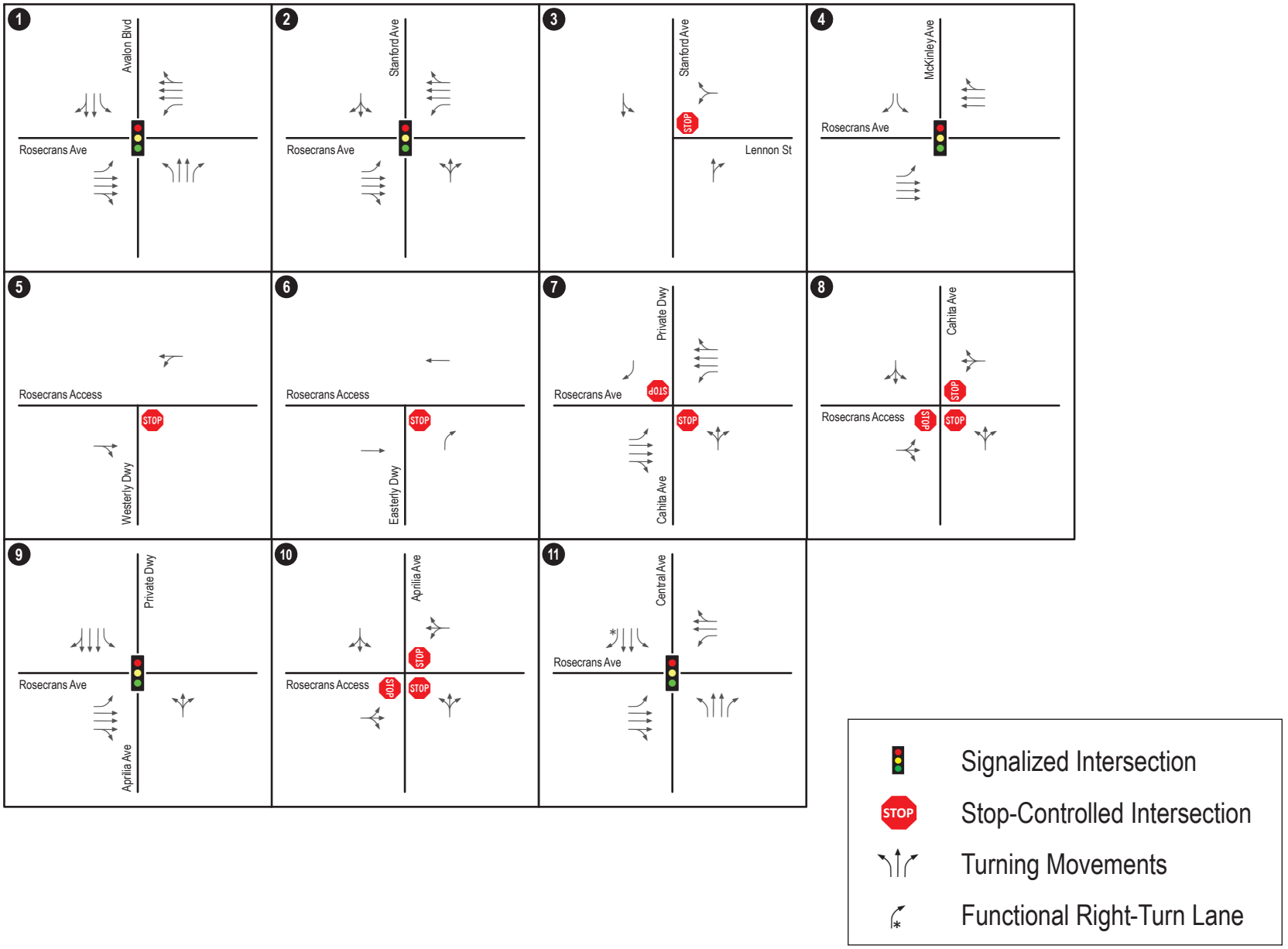
Central Avenue is a north-south oriented roadway located east of the Project Site. Within the Project study area, Central Avenue is designated as a Major Highway by the County and the City of Compton. Two through travel lanes are provided in each direction on Central Avenue within the Project study area. Class II Bicycle Lanes are provided in each direction on Central Avenue within the Project study area. On-street parking is prohibited on either side of Central Avenue within the Project study area. Separate exclusive left-turn lanes are provided in each direction on Central Avenue at the Rosecrans Avenue intersection. Additionally, a separate exclusive right-

turn lane is provided in the northbound direction on Central Avenue at the Rosecrans Avenue intersection. Central Avenue has a posted speed limit of 45 miles per hour north of Rosecrans Avenue and a posted speed limit of 40 miles per hour south of Rosecrans Avenue within the Project study area.

Rosecrans Avenue is an east-west oriented roadway located north of the Project Site. Within the Project study area, Rosecrans Avenue is designated as a Major Highway by the County and the City of Compton. West of Central Avenue, three through travel lanes are provided in each direction on Rosecrans Avenue within the Project study area. East of Central Avenue, two through travel lanes are provided in each direction on Rosecrans Avenue within the Project study area. On-street parking is prohibited on either side of Rosecrans Avenue within the Project study area. Separate exclusive left-turn lanes are provided in each direction on Rosecrans Avenue at major intersections. Rosecrans Avenue has a posted speed limit of 40 miles per hour within the Project study area.

Rosecrans Avenue Local Access Road is an east-west oriented roadway that borders the Project Site to the north. Within the Project study area, the Rosecrans Avenue Local Access Road is designated as a Local Street by the County. One through travel lane is provided in each direction on the Rosecrans Avenue Local Access Road within the Project study area. West of Cahita Avenue, on-street parking is prohibited on the north side of the Rosecrans Avenue Local Access Road and is generally permitted on the south side of the Rosecrans Avenue Local Access Road. East of Cahita Avenue, on-street parking is generally permitted on either side of Rosecrans Avenue within the Project study area. There is no speed limit posted on the Rosecrans Avenue Local Access Road within the Project study area, thus a prima facie speed limit of 25 miles per hour is assumed, consistent with California Vehicle Code Section 22352(b)(1).

Lennon Street is an east-west oriented roadway located south of the Project Site. Within the Project study area, Lennon Street is designated as a Local Street by the County. One through travel lane is provided in each direction on Lennon Street within the Project study area. On-street parking is generally permitted on either side of Lennon Street within the Project study area. Lennon Street has a posted speed limit of 25 miles per hour within the Project study area.



LINSCOTT LAW & GREENSPAN engineers

U:\0529\gis
Date: 9/15/2022
Time: 2:10 PM

Figure 3-5
Existing Lane Configurations

3.4 Traffic Counts

For this TIA, the techniques described in this section were used to estimate current year (2021) peak hour turning movement traffic volumes at the study intersections. The existing traffic volumes at the study intersections during the weekday AM and PM peak hours are shown in ***Figure 3–6***. Summary data worksheets of the manual traffic counts at the study intersections and average daily traffic (ADT) counts on the street segment described in this section are contained in ***Appendix B***.

- Avalon Boulevard / Rosecrans Avenue: Historical traffic counts conducted on Wednesday, September 11, 2019 by an independent traffic count subconsultant at the intersection from 7:00 AM to 9:00 AM to determine the weekday AM peak commute hour, and from 4:00 PM to 6:00 PM to determine the weekday PM peak commute hour. The peak hour traffic volume counts collected at this intersection in 2019 were increased by a 1.0% annual traffic growth rate through the year 2021 to estimate current year traffic volumes. Further discussion of the annual traffic growth rate is provided in Section 3.5 herein.

- Stanford Avenue / Rosecrans Avenue: New manual traffic counts were conducted on Tuesday, November 30, 2021 by an independent traffic count subconsultant at the intersection from 7:00 AM to 9:00 AM to determine the weekday AM peak commute hour, and from 4:00 PM to 6:00 PM to determine the weekday PM peak commute hour.

- Stanford Avenue / Lennon Street: New manual traffic counts were conducted on Tuesday, November 16, 2021 by an independent traffic count subconsultant at the intersection from 7:00 AM to 9:00 AM to determine the weekday AM peak commute hour, and from 4:00 PM to 6:00 PM to determine the weekday PM peak commute hour.

- McKinley Avenue / Rosecrans Avenue: New manual traffic counts were conducted on Tuesday, November 16, 2021 by an independent traffic count subconsultant at the intersection from 7:00 AM to 9:00 AM to determine the weekday AM peak commute hour, and from 4:00 PM to 6:00 PM to determine the weekday PM peak commute hour.

- Westerly Project Driveway / Rosecrans Avenue Local Access Road: ADT counts were conducted over a 24-hour period on the Rosecrans Avenue Local Access Road, west of the Westerly Project Driveway, on November 16, 2021. The hour with the greatest amount of traffic during the morning (8:00 AM to 9:00 AM) and afternoon (5:00 PM to 6:00 PM) was utilized to derive the eastbound and westbound through volumes during the weekday peak hours. Turning movements at the intersection were derived based on application of trip generation rates to the existing day care center and church uses within the existing Project Site. The existing Project Site trips were assigned to the existing Project Site driveways, including the intersection. ***Table 2–1*** presents the trip generation forecast for the existing uses within the Project Site. The general, directional traffic distribution patterns for the existing Project Site are presented in ***Figure 2–4***.

- Easterly Project Driveway / Rosecrans Avenue Local Access Road: The traffic count data and subsequent adjustments approaching and departing the Westerly Project Driveway / Rosecrans Avenue Local Access Road intersection were used to derive the eastbound and westbound through volumes. Turning movements at the intersection were derived based on application of trip generation rates to the existing day care center and church uses within the existing Project Site. The existing Project Site trips were assigned to the existing Project Site driveways, including the intersection. ***Table 2–1*** presents the trip generation forecast for the existing uses within the Project Site. The general, directional traffic distribution patterns for the existing Project Site are presented in ***Figure 2–4***.

- Cahita Avenue – Private Driveway / Rosecrans Avenue: New manual traffic counts were conducted on Tuesday, November 16, 2021 by an independent traffic count subconsultant at the intersection from 7:00 AM to 9:00 AM to determine the weekday AM peak commute hour, and from 4:00 PM to 6:00 PM to determine the weekday PM peak commute hour.

- Cahita Avenue / Rosecrans Avenue Local Access Road: New manual traffic counts were conducted on Tuesday, November 16, 2021 by an independent traffic count subconsultant at the intersection from 7:00 AM to 9:00 AM to determine the weekday AM peak commute hour, and from 4:00 PM to 6:00 PM to determine the weekday PM peak commute hour.

- Aprilia Avenue – Private Driveway / Rosecrans Avenue: New manual traffic counts were conducted on Tuesday, November 16, 2021 by an independent traffic count subconsultant at the intersection from 7:00 AM to 9:00 AM to determine the weekday AM peak commute hour, and from 4:00 PM to 6:00 PM to determine the weekday PM peak commute hour.

- Aprilia Avenue / Rosecrans Avenue Local Access Road: New manual traffic counts were conducted on Tuesday, November 16, 2021 by an independent traffic count subconsultant at the intersection from 7:00 AM to 9:00 AM to determine the weekday AM peak commute hour, and from 4:00 PM to 6:00 PM to determine the weekday PM peak commute hour.

- Central Avenue / Rosecrans Avenue: Historical traffic counts conducted on Wednesday, September 11, 2019 by an independent traffic count subconsultant at the intersection from 7:00 AM to 9:00 AM to determine the weekday AM peak commute hour, and from 4:00 PM to 6:00 PM to determine the weekday PM peak commute hour. The peak hour traffic volume counts collected at this intersection in 2019 were increased by a 1.0% annual traffic growth rate through the year 2021 to estimate current year traffic volumes. Further discussion of the annual traffic growth rate is provided below.

3.5 Annual Ambient Growth Rate

As previously stated, historical traffic count conducted in 2019 at the Avalon Boulevard / Rosecrans Avenue and Central Avenue / Rosecrans Avenue intersections were utilized. The Year 2019 manual traffic count data were adjusted by ambient growth rate of 1.0% per year to reflect Year 2021 existing conditions. The ambient growth factor was based on general traffic growth factors provided in the *2010 Congestion Management Program for Los Angeles County*[5] (the "CMP manual") and determined in consultation with Public Works staff. Based on review of the general traffic growth factors provided in Exhibit D-1 the CMP manual for the Project Site area (RSA 21, Vernon, which includes the Project Site), the growth factors for RSA 21 are as follows:

- Year 2015: 1.073
- Year 2020: 1.146
- Year 2025: 1.158

Based on the CMP growth factors for RSA 21, it is anticipated that the existing traffic volumes are expected to increase at an annual rate of approximately 1.33% per year between the years 2015 and 2020 and 0.21% per year between the years 2020 and 2025. Using the formula below, the growth rate per year was calculated, where A is the future value, P is the present value, R is the growth rate per year, and N is the number of years.

- $A = P * [1 + (R/100)]^N$

In order to determine the growth rate per year for each of the five-year time increments, the formula was solved for R, as shown in the equation and applied to each of the three five-year time increments.

- Growth Rate , $R = 100 * [((A/P)^(1/N))-1]$
- Growth Rate for Years 2015-2020:
    - $100 * [((1.146/1.073)^(1/5))-1] = 1.33\%$ per year
- Growth Rate for Years 2020-2025:
    - $100 * [((1.158/1.146)^(1/5))-1] = 0.21\%$ per year

For example, 100 vehicles counted in 2019 would be converted to 2021 counts as follows:

- 2019 to 2020: $100 * (1 + 0.0133)^1 = 101$
- 2020 to 2021: $101 * (1 + 0.0021)^1 = 101$

[5] *2010 Congestion Management Program*, Los Angeles County Metropolitan Transportation Authority, 2010.

Utilizing a 1.0% annual growth factor, 100 vehicles counted in 2019 would be converted to 2021 counts as follows:

- 2019 to 2021: $100 * (1 + 0.01)^2 = 102$

Thus, application of an annual growth factor of 1.0% annual growth results in a more conservative, worst case forecast of Year 2021 existing traffic volumes in the area compared to application of the annual traffic growth rates published in the CMP manual.

3.6 Cumulative Development Projects

3.6.1 *Related Projects*

A forecast of on-street traffic conditions prior to occupancy of the Project was prepared by incorporating the potential trips associated with other known development projects (related projects) in the area. With this information, the potential impact of the Project can be evaluated within the context of the cumulative impact of all ongoing development. The related projects research was based on information on file at the County's Department of Regional Planning and the City of Compton. Per the TIA Guidelines, related projects within a radius of one-half mile (2,640 feet) from the farthest outlying study intersection should be included. Therefore, related projects within a 0.84-mile radius (one-half mile past the farthest outlying study intersection, Central Avenue / Rosecrans Avenue) of the Project Site were included. The list of related projects in the Project Site area is presented in ***Table 3–2***. The location of the related projects is shown in ***Figure 3–7***.

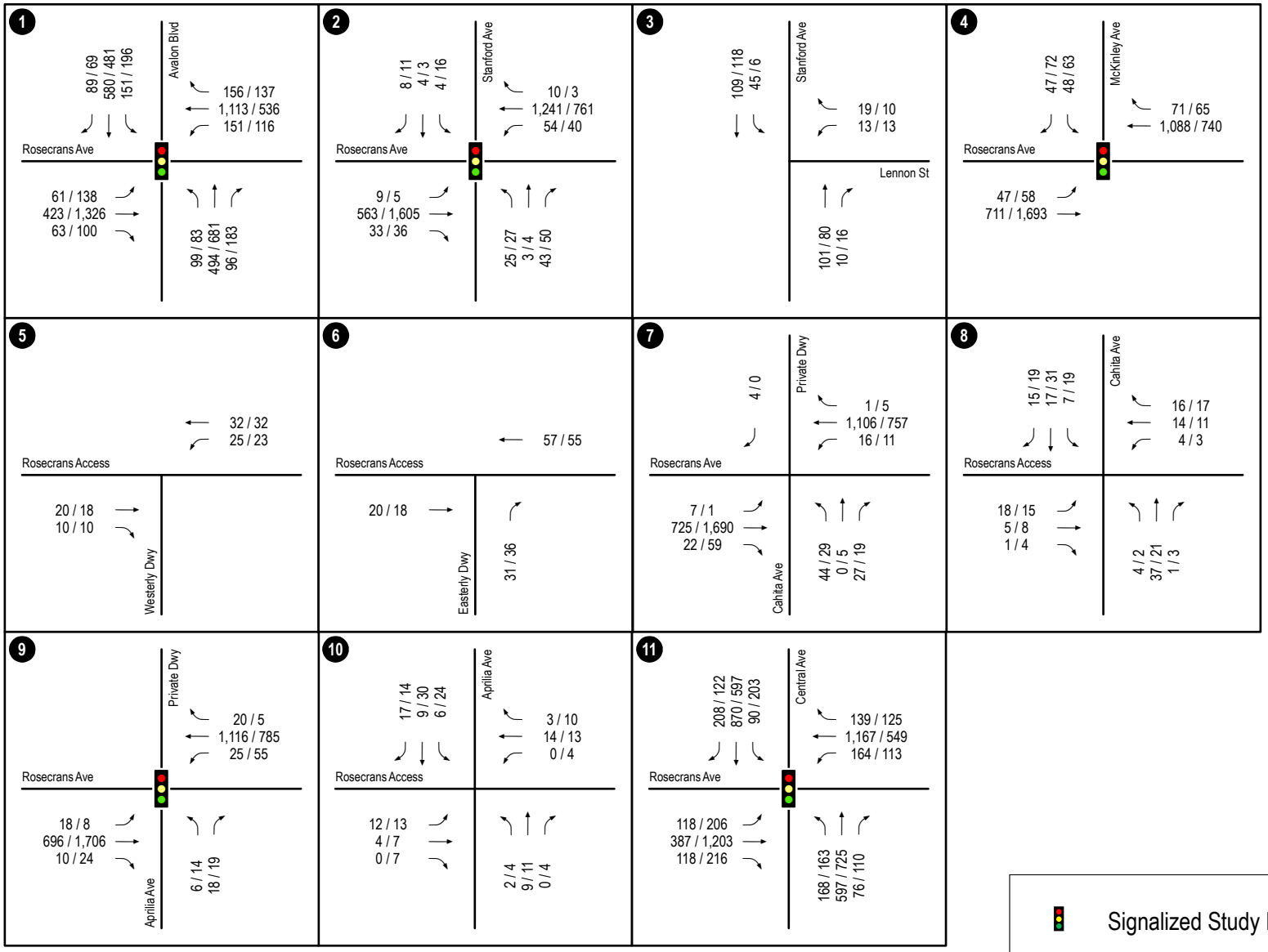
Traffic volumes expected to be generated by the related projects were calculated using rates provided in the ITE *Trip Generation Manual*. The related projects' respective traffic generation for the weekday AM and PM peak hours, as well as on a daily basis for a typical weekday, is summarized in ***Table 3–2***. The distribution of the related projects traffic volumes to the study intersections during the weekday AM and PM peak hours are displayed in ***Figure 3–8***.

As noted in Section 3.4, peak hour traffic volume data was collected at the Avalon Boulevard / Rosecrans Avenue and Central Avenue / Rosecrans Avenue study intersections in 2019. The Magnolia Walk project located at 13204 Salinas Avenue and the residential project located at 14733 S. Stanford Avenue have been completed. Additionally, the KIPP Compton Community School located at 1650 W. 134th Street has been completed.[6] However, as noted in Section 3.4, peak hour traffic volume data was collected at the Avalon Boulevard / Rosecrans Avenue and Central Avenue / Rosecrans Avenue study intersections in 2019, and these projects had yet to be completed. The completed projects have been included to provide a complete forecast of on-street traffic conditions prior to occupancy of the Project.

[6] The KIPP Compton Community School is completed and is serving students in grades Transitional Kindergarten (TK) through 4th grade for the 2021-2022 school year. A grade level will be added each year until the school is serving students in TK through 8th grades.

3.6.2 *Ambient Traffic Growth*

In order to forecast traffic volumes for the Project build-out year (2023), an annual rate of 1.0 percent (1.0%) per year will be applied to the existing traffic volumes. As discussed in Section 3.4, based on the CMP growth factors for RSA 21, it is anticipated that the existing traffic volumes are expected to increase at an annual rate of approximately 0.21% per year between the years 2020 and 2025. Thus, application of an annual growth factor of 1.0% annual growth results in a conservative, worst case forecast of future traffic volumes in the area as it substantially exceeds the annual traffic growth rate published in the CMP manual. Furthermore, the CMP manual's traffic growth rate is intended to anticipate future traffic generated by development projects in the Project vicinity. Therefore, the inclusion in this traffic analysis of a forecast of traffic generated by known related projects plus the use of an ambient growth traffic factor based on CMP traffic model data results in a conservative estimate of future traffic volumes at the study intersections.



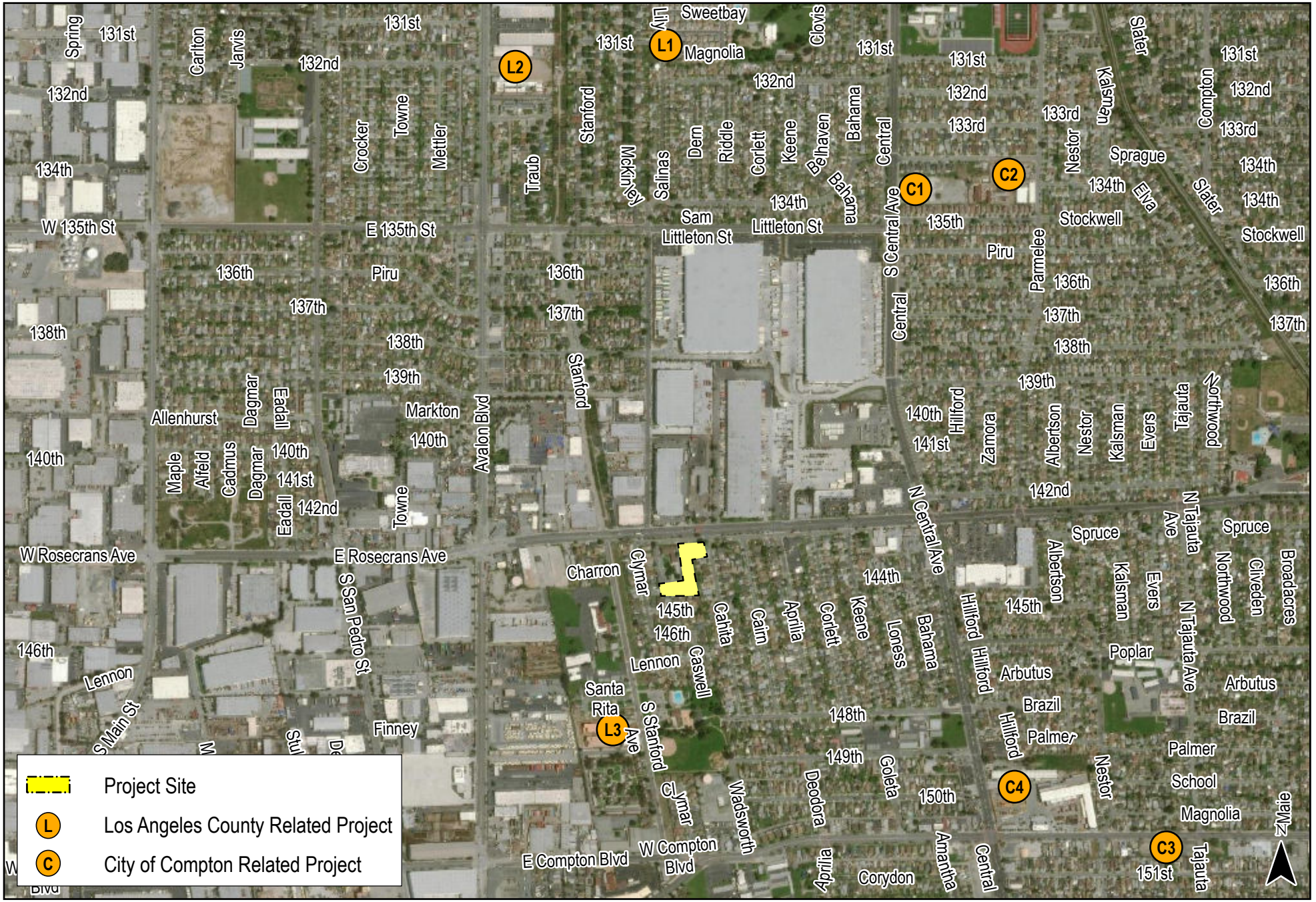
U:\0529\gis
Date: 9/20/2022
Time: 7:09 AM

Figure 3-6
Existing (2021) Traffic Volumes

Table 3-2
RELATED PROJECTS LIST AND TRIP GENERATION [1]

MAP NO.	PROJECT NAME/ PROJECT NUMBER	PROJECT STATUS	ADDRESS/ LOCATION	LAND USE DATA		PROJECT DATA SOURCE	DAILY TRIP ENDS [2] VOLUMES	AM PEAK HOUR VOLUMES [2]			PM PEAK HOUR VOLUMES [2]		
				LAND-USE	SIZE			IN	OUT	TOTAL	IN	OUT	TOTAL
County of Los Angeles													
L1	2016-000288 Magnolia Walk	Built	13204 Salinas Avenue	Single-Family Homes	94 DU	[3]	887	18	52	70	59	34	93
L2	2017-006259	Under Construction	13200 S. Avalon Boulevard	Affordable Housing Light Industrial	79 DU (31,300) GSF	[4] [5]	578 (218)	8 (26)	28 (3)	36 (29)	28 (4)	16 (26)	44 (30)
L3	R2015-02448	Built	14733 S. Stanford Avenue	Apartments	85 DU	[4]	622	9	30	39	30	18	48
City of Compton													
C1	134th and Central Residential Project	Approved	1950 N. Central Avenue	Townhomes	29 DU	[4]	274	5	16	21	18	11	29
C2	KIPP Compton Community School	Built [6]	1650 W. 134th Street	Elementary School Middle School	500 Students 300 Students	[7] [8]	945 639	181 94	154 80	335 174	41 25	44 26	85 51
C3	1434 W. Compton Boulevard Residential Project	Approved	1434 W. Compton Boulevard	Affordable Housing	75 DU	[4]	549	8	27	35	26	16	42
C4	250 N. Central Avenue Residential Project	Approved	250 N. Central Avenue	Townhomes	57 DU	[4]	538	11	31	42	35	21	56
TOTAL							4,814	308	415	723	258	160	418

[1] Source: City of Compton Community Development Department and Los Angels County Department of Regional Planningrelated projects lists. Trip generation for the related projects are based on the ITE *Trip Generation Manual,* 10th Edition, 2017 (as referenced in the Project Data Source column).
[2] Trips are one-way traffic movements, entering or leaving.
[3] ITE Land Use Code 210 (Single-Family Detached Housing) trip generation average rates.
[4] ITE Land Use Code 220 (Multifamily Housing [Low-Rise]) trip generation average rates.
[5] ITE Land Use Code 110 (General Light Industrial) trip generation average rates.
[6] As of 2021-2022 school year, KIPP Compton Community School serves students in grades TK-4, with one grade level to be added each year until fully grown with TK through 8th grades.
[7] ITE Land Use Code 520 (Elementary School) trip generation average rates.
[8] ITE Land Use Code 522 (Middle School/Junior High School) trip generation average rates.

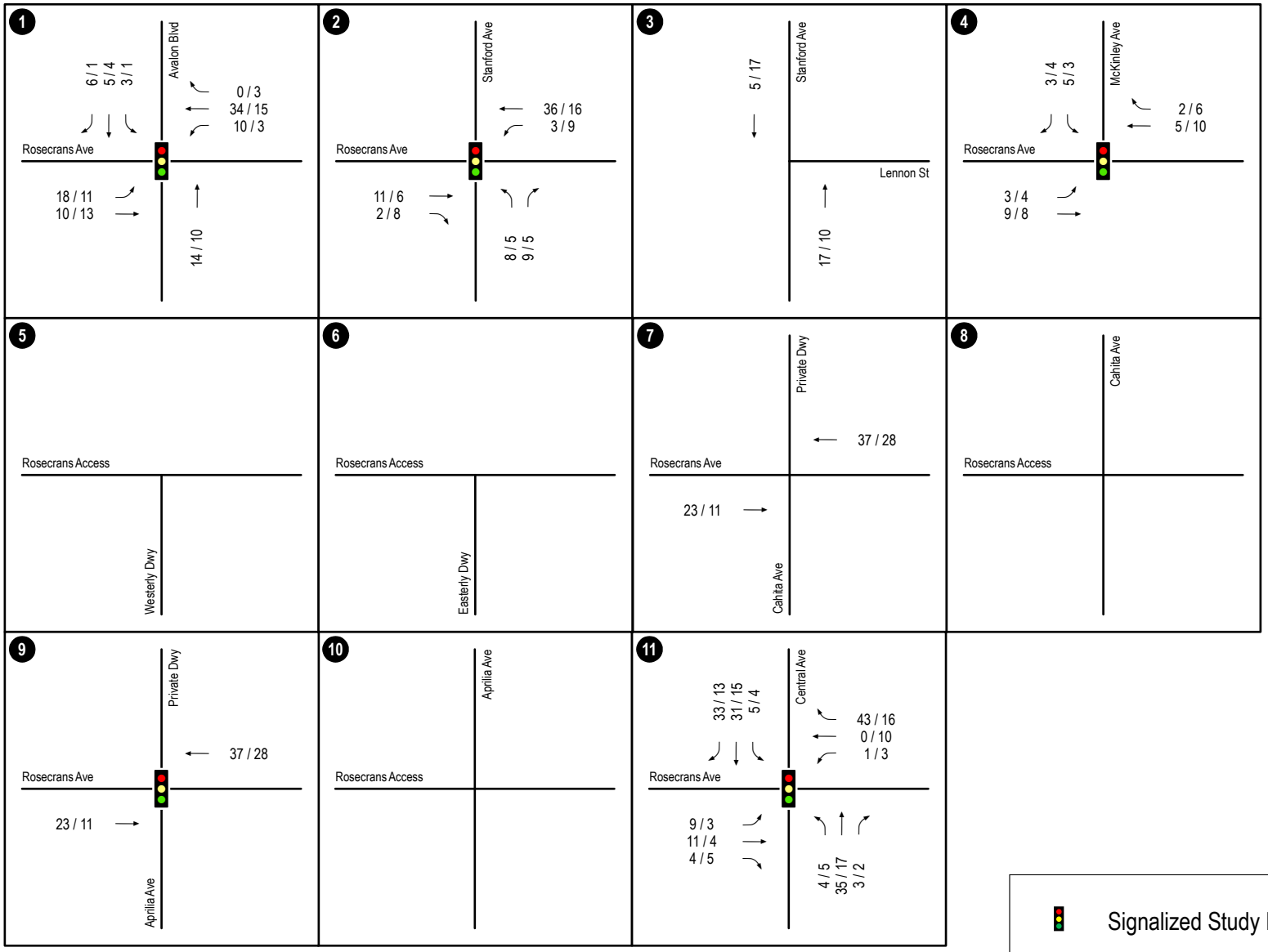


LINSCOTT LAW & GREENSPAN engineers

U:\0529\gis
Date: 3/23/2022
Time: 2:28 PM

Maxar

Figure 3-7
Location of Related Projects



LINSCOTT LAW & GREENSPAN engineers

U:\0529\gis
Date: 9/20/2022
Time: 7:15 AM

Figure 3-8
Related Projects Traffic Volumes

4.0 VEHICLE MILES TRAVELED ANALYSIS

The State of California Governor's Office of Planning and Research (OPR) issued proposed updates to the CEQA Guidelines in November 2017 and an accompanying technical advisory guidance in April 2018 (*OPR Technical Advisory*) that amends the Appendix G question for transportation impacts to delete reference to vehicle delay and level of service and instead refer to Section 15064.3, subdivision (b)(1) of the CEQA Guidelines asking if the project will result in a substantial increase in vehicle miles traveled (VMT). Section 15064.3, subdivision (b)(1) states the following:

- Development Projects. Vehicle miles traveled exceeding an applicable threshold of significance may indicate a significant impact. Generally, projects within one-half mile of either an existing major transit stop or a stop along an existing high-quality transit corridor should be presumed to cause a less than significant transportation impact. Projects that decrease vehicle miles traveled in the project area compared to existing conditions should be considered to have a less than significant transportation impact.

The California Natural Resources Agency certified and adopted the CEQA Guidelines in December 2018, which are now in effect. Accordingly, Public Works has adopted significance criteria for transportation impacts based on VMT for land use projects and plans in accordance with the amended Appendix G question:

- For a development project, would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)(1)?

For development projects, the intent of this question is to assess whether a proposed project or plan adequately reduces total VMT. Public Works has developed the following screening and impact criteria to address this question. The criteria below are based on the OPR *Technical Advisory* but reflects local considerations.

4.1 Project Trip Generation Screening Criteria

Section 3.1.2.1 of the TIA Guidelines state that "If the answer is no to the question below, further analysis is not required, and a less than significant determination can be made.

- Does the development project generate a net increase of 110 or more daily vehicle trips?"

The *Technical Advisory* provides the following evidence for this presumption: "CEQA provides a categorical exemption for existing facilities, including additions to existing structures of up to 10,000 square feet, so long as the project is in an area where public infrastructure is available to allow for maximum planned development and the project is not in an environmentally sensitive area. (CEQA Guidelines, § 15301, subd. (e)(2).) Typical project types for which trip generation increases relatively linearly with building footprint (i.e., general office building, single tenant office building, office park, and business park) generate or attract an additional 110-124 trips per 10,000 square feet. Therefore, absent substantial evidence otherwise, it is reasonable to conclude that the addition of 110 or fewer trips could be considered not to lead to a significant impact."

For purposes of screening the daily vehicle trips, a proposed project's daily vehicle trips should be estimated using the most recent edition of the ITE *Trip Generation Manual*. As stated in Section 2.8.1 of this TIA, the Project is expected to generate a net increase of 967 daily vehicle trips. Since the Project is expected to generate an increase of more than 110 net new daily vehicle trips, it does not satisfy the project trip generation screening criteria.

4.2 Impact Criteria

For development projects, the proposed project will have a potential VMT impact if the project meets the following:

- For residential projects, the project's residential VMT per capita exceeds 16.8% below the existing residential VMT per capita for the Baseline Area in which the project is located.

- For office projects, the project's employment VMT per employee exceeds 16.8% below the existing employment VMT per employee for the Baseline Area in which the project is located.

- For regional serving retail projects, the project would result in a net increase of existing total VMT.

- For land use plans, the plan total VMT per service population (residents and employees) exceeds 16.8% below the existing VMT per service population for the Baseline Area in which the project is located.

The TIA Guidelines do not provide specific impact criteria for school projects. However, per the TIA Guidelines, school projects should be analyzed similarly to office projects for VMT impact evaluation. The TIA Guidelines provide the following impact criteria for office land uses: "The project's employment VMT per employee[7] would not be 16.8% below the existing employment VMT per employee for the Baseline Area in which the project is located." The Project is located in the South County Baseline Area, which generally consists of the region of the County which is situated below the Santa Susana and San Gabriel Mountain ranges. The TIA Guidelines further state that the baseline VMT applied in the TIA should be consistent with the year that the TIA is begun. The South County employment VMT baseline for the year 2021 (i.e., the year of commencement of this TIA process) is 16.5 VMT per employee. Therefore, the threshold of 16.8% below the baseline employment VMT is 13.8 VMT per employee. A significant transportation impact would result if the Project VMT exceeds 13.8 VMT per employee.

4.3 Methodology

In January 2021, Public Works released the County of Los Angeles VMT Tool Version 1.0 (the "VMT Tool"). The VMT Tool implements the methodologies, screening criteria, and significance thresholds described in the TIA Guidelines. The VMT Tool can be used to analyze

[7] "Employment VMT is the VMT generated by Home-Based Work trip attractions."

projects that consist of either one lane use or multiple land uses. While the VMT Tool does not include middle and high school uses, it does include an office use. General office employment VMT is similar to school employment VMT since in both instances, the employment VMT is the VMT generated by Home-Based Work trip attractions. While the employment trips to and from home may occur at different hours, the characteristics of these trips are similar (e.g., both general office and school employees drive from home to work and back).

To utilize the office use in the County's VMT Tool, an estimate of the number of employees at the Project is needed, which then can be converted to the approximate equivalent amount of office building floor area. Table 1 from the *City of Los Angeles VMT Calculator Documentation – Version 1.3*[8] includes jobs per unit for middle School and high School uses, as well as office uses. The City of Los Angeles VMT Calculator assumes 0.1 jobs per student for both middle school and high school uses, and 4.0 jobs per 1,000 square feet of floor area for office uses. Table 1 from the *City of Los Angeles VMT Calculator Documentation – Version 1.3* is provided in ***Appendix C*** for reference. A total of 60 employees can be assumed for the Project based on the City of Los Angeles methodology.

As stated in Section 3.4 of the *City of Los Angeles VMT Calculator Documentation – Version 1.3* (provided in ***Appendix C*** for reference), the employment estimates for office uses within the City of Los Angeles VMT Calculator were derived from a variety of resources, including the 2012 SANDAG Activity Based Model floor area per employee data, ITE trip generation rates per thousand square feet divided by the trip generation rates per employee, the United States Department of Energy, and other resources.

The latest version of the City of Los Angeles VMT Calculator (Version 1.3) was utilized to provide an "apples to apples" comparison of the employment work VMT per employee of a 15,000 square foot office building located within the City of Los Angeles' jurisdiction. Per the City of Los Angeles VMT Calculator, a 15,000 square foot office building would generate 147 net new daily vehicle trips. Per the *Los Angeles Department of Transportation (LADOT) Transportation Assessment Guidelines*[9] (TAG), a land use project that will generate 250 or more net new daily vehicle trips is required to perform a VMT analysis. As a 15,000 square-foot office project would not require a VMT analysis, the City of Los Angeles VMT Calculator does not provide a daily employment VMT per employee value. The City of Los Angeles VMT Calculator output is provided in ***Appendix D***.

4.4 Project VMT Analysis

The VMT expected to be generated by the Project were forecasted using the VMT Tool. The VMT Tool output for the Project is contained in ***Appendix E***. As indicated in the VMT Tool output, the daily employment VMT per employee for an office use is 12.2 daily employment VMT per employee, which is well below the threshold for the South County Baseline Area of 13.8 daily employment VMT per employee. It should be noted that this is a conservative, "worst

[8] *City of Los Angeles VMT Calculator Documentation – Version 1.3*, Los Angeles Department of Transportation and Los Angeles Department of City Planning, May 2020.

case" analysis as the Project is anticipating 45 employees, not 60 employees as estimated per the City of Los Angeles jobs per student factor. The Project will not result in a significant daily employment VMT per employee impact. Therefore, no mitigation is required as it relates to employment VMT.

4.5 Student VMT Analysis

As previously mentioned, the Project proposes the relocation of the existing nearby Green Dot public charter middle school located at 13305 San Pedro Street. The existing Green Dot public charter middle school currently shares a campus with another public charter middle school (Ingenium Clarion Charter Middle School). While charter schools enroll students on an availability/lottery basis and do not have traditional attendance boundaries, the existing Green Dot public charter middle school campus primarily serves the local community. The existing Green Dot public charter middle school currently has a total enrollment of 216 students, of which 186 students (86.1%) live within 5.5 miles of the existing campus. The existing school's student ZIP Code data is provided in ***Appendix F*** and summarized in ***Table 4–1***.

The existing Green Dot public charter middle school is located approximately 0.9-mile northwest of the Project Site. The existing campus and the Project Site are illustrated in ***Figure 4–1***. Based on the relatively close proximity of the existing and proposed campuses, parents/caregivers of students will not be required to substantially deviate when traveling to the proposed Project Site.

The proposed relocation of the Green Dot public charter middle school is intended in part to move the school closer to its existing student population. In addition, as the existing campus is in an area surrounded by commercial and industrial uses to the west and south, the Project Site is relatively closer both to its existing student population and other residential areas from which new students may be enrolled. In addition, by moving to its own campus and no longer co-located with another public charter middle school, the Project would provide an alternative for parents/caregivers who want to have their middle school-aged students enrolled in a neighborhood school, thereby reducing the overall length of travel for parents/caregivers.

Additionally, the Project would provide an additional public high school option in the area. The Project Site and the surrounding neighborhood are located within the attendance boundary for Compton High School, which is located within a three-mile radius of the Project Site. The location of nearby public and charter high schools is illustrated in ***Figure 4–2***. The Project would provide an alternative for parents/caregivers who want to have their high-school aged students enrolled in a neighborhood school, thereby reducing the overall length of travel for parents/caregivers.

Based on the above, the relative VMT per student related to the Project will likely be the same or slightly less than the existing condition.

[9] *Los Angeles Department of Transportation (LADOT) Transportation Assessment Guidelines,* LADOT, July 2020.

4.6 Summary of Cumulative VMT Analysis

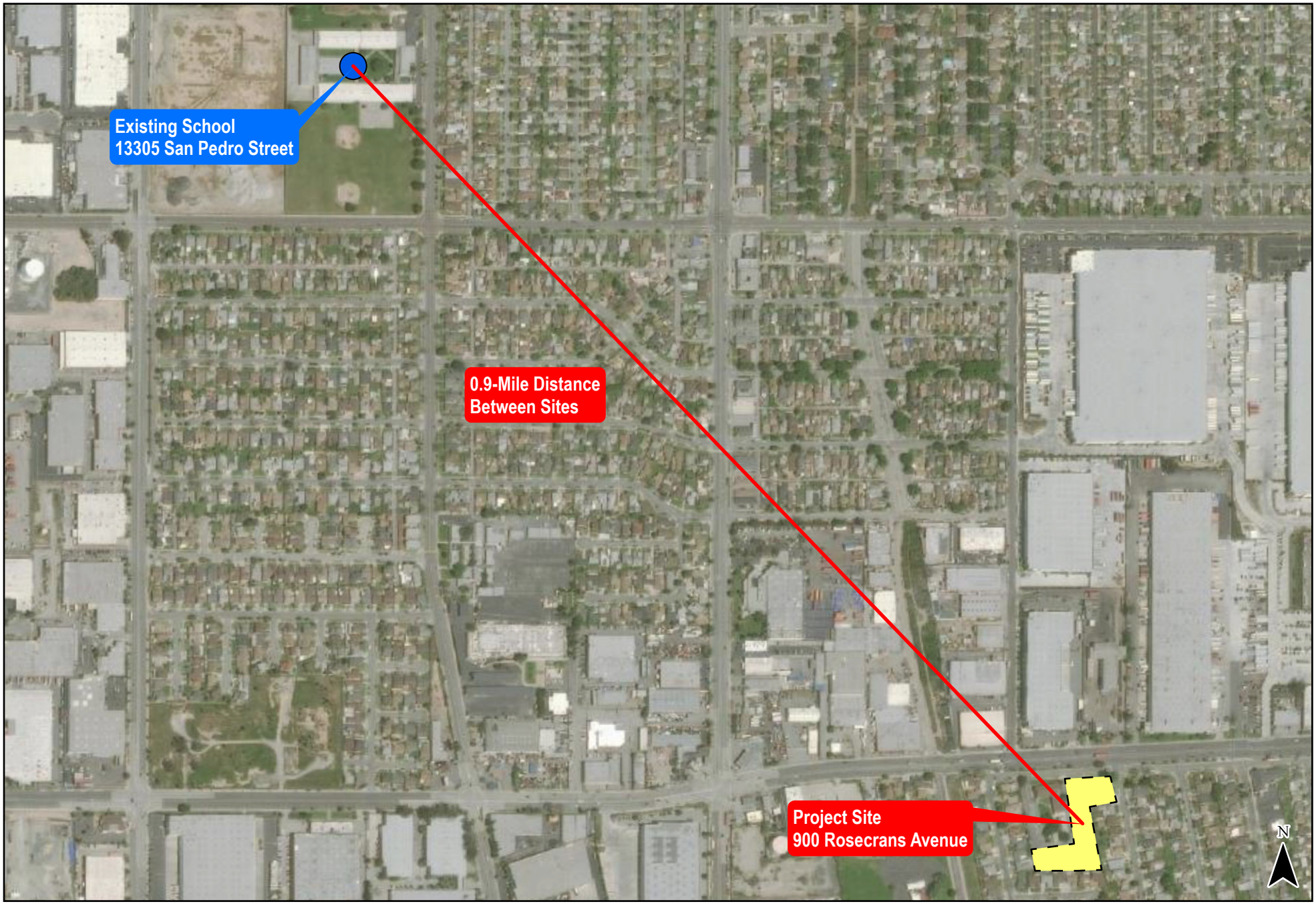
As stated in the Section 3.1.4.3 of the TIA Guidelines, analyses should consider both short-term and long-term project effects on VMT. Short-term effects are evaluated in the detailed Project-level VMT analysis summarized above. Long-term, or cumulative, effects are determined through a consistency check with the Southern California Association of Government's (SCAG) Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS). The RTP/SCS is the regional plan that demonstrates compliance with air quality conformity requirements and greenhouse gas (GHG) reduction targets. As such, projects that are consistent with this plan in terms of development, location, density, and intensity, are part of the regional solution for meeting air pollution and GHG goals. Projects that are deemed to be consistent would have a less than significant cumulative impact on VMT. Development in a location where the RTP/SCS does not specify any development may indicate a significant impact on transportation. However, as noted in the TIA Guidelines, for projects that do not demonstrate a project impact by applying an efficiency-based impact threshold (i.e., VMT per capita or VMT per employee) in the analysis, a less than significant project impact conclusion is sufficient in demonstrating there is no cumulative VMT impact. Projects that fall under the County's efficiency-based impact thresholds are already shown to align with the long-term VMT and GHG reduction goals of SCAG's RTP/SCS.

Based on the above Project-related VMT analysis and the conclusions reported in Section 4.4 (i.e., which conclude that the Project falls under the County's efficiency-based impact thresholds and thus are already shown to align with the long-term VMT and GHG reduction goals of SCAG's RTP/SCS), the Project's cumulative VMT impact would be less than significant.

Table 4-1
EXISTING GREEN DOT PUBLIC CHARTER MIDDLE SCHOOL
STUDENT ZIP CODE DATA [1]

ZIP Code	Number of Students
90001	1
90002	14
90003	8
90004	1
90011	2
90037	2
90044	8
90047	2
90058	4
90059	31
90061	49
90201	2
90220	30
90221	11
90222	26
90245	1
90247	3
90248	2
90249	1
90250	1
90278	2
90280	4
90303	1
90501	1
90502	2
90731	1
90746	2
90804	1
90805	2
93505	1
TOTAL	**216**

[1] Student ZIP Code data provided in ***Appendix F***.



LINSCOTT LAW & GREENSPAN engineers

U:\0529\gis
Date: 9/13/2022
Time: 4:07 PM

Maxar

Figure 4-1
Location of Existing School and Project Site

LINSCOTT LAW & GREENSPAN engineers

U:\0529\gis
Date: 10/6/2022
Time: 4:11 PM

Maxar

Figure 4-2
Location of Nearby Existing Public and Charter High Schools

5.0 OPERATIONAL ANALYSIS

Project access and circulation constraints relate to the provision of access to and from the Project Site and may include operational or capacity constraints. The Project access and circulation has been evaluated for permanent conditions after Project completion. ***Table 5–1*** summarizes the vehicle queuing analysis prepared for each of the study locations for the representative intersection traffic movements for the weekday AM and PM peak hours. ***Appendix G*** contains the analysis data worksheets for the study intersections.

5.1 Screening Criteria

Section 4.1.2.1 of the TIA Guidelines state that: "For development projects, if the answer is yes to the questions below, further analysis may be required to assess whether the project would negatively affect project access and circulation:

- Is the project required to submit a Transportation Impact Analysis?
- Does the development project involve a discretionary action that would be under review by the Department of Regional Planning?

As the answer is yes to both of the screening criteria questions above, further analysis is required to evaluate Project access and circulation per the approved Scope of Work.

5.2 Evaluation Criteria

For operational evaluation of development projects, the County's TIA Guidelines require a quantitative evaluation of the Project's expected access and circulation operations. Project access is considered constrained if the Project's traffic would contribute to unacceptable queuing at nearby signalized intersections. Unacceptable or extended queuing may be defined as follows:

- Spill over from turn pockets into through lanes.
- Spill over into intersections.

5.3 Operational Evaluation Methodology

As presented in the approved TIA Scope of Work contained in ***Appendix A***, the following 11 study intersections were identified for operational evaluation of whether the Project's traffic would contribute to unacceptable queuing at nearby signalized intersections:

1. Avalon Boulevard / Rosecrans Avenue (County of Los Angeles) (signalized)
2. Stanford Avenue / Rosecrans Avenue (County of Los Angeles) (signalized)
3. Stanford Avenue / Lennon Street (County of Los Angeles) (unsignalized)
4. McKinley Avenue / Rosecrans Avenue (County of Los Angeles) (signalized)

5. Westerly Project Driveway / Rosecrans Avenue Local Access Road (County of Los Angeles) (unsignalized)

6. Easterly Project Driveway / Rosecrans Avenue Local Access Road (County of Los Angeles) (unsignalized)

7. Cahita Avenue – Private Driveway / Rosecrans Avenue (County of Los Angeles) (unsignalized)

8. Cahita Avenue / Rosecrans Avenue Local Access (County of Los Angeles) (unsignalized)

9. Aprilia Avenue – Private Driveway / Rosecrans Avenue (County of Los Angeles) (signalized)

10. Aprilia Avenue / Rosecrans Avenue Local Access Road (County of Los Angeles) (unsignalized)

11. Central Avenue / Rosecrans Avenue (City of Compton) (signalized)

The study intersections were based on proximity to the Project Site and the importance of the intersections in terms of the Project's site access and circulation scheme.

The analysis was prepared based on the *Highway Capacity Manual*[10] (HCM) operational analysis methodology pursuant to the County's TIA Guidelines. Intersection analyses were prepared utilizing the *HCS7* software package, which implements the HCM operational methods. In addition, specifics such as traffic volume data, lane configurations, available vehicle storage lengths, crosswalk locations, posted speed limits, traffic signal timing and phasing for signalized locations, etc., were coded in the *HCS7* software. The operational analysis was prepared utilizing the following data previously presented herein:

- Project Peak Hour Traffic Generation: Refer to Subsection 2.8.1
- Project Trip Distribution and Assignment: Refer to Subsection 2.8.2
- Existing Vehicle Network: Refer to Subsection 3.3
- Existing Weekday AM and PM Hour Traffic Count Data: Refer to Subsection 3.4
- Related Projects (i.e., within a 0.84-mile radius) and Ambient Traffic Growth: Refer to Subsection 3.5

The operational analysis of vehicle queuing at the study intersections was prepared for the following conditions:

[10] *Highway Capacity Manual 6th Edition,* Transportation Research Board of the National Academies of Sciences-Engineering-Medicine, 2016.

(a) Existing (2021) conditions.

(b) Condition (a) plus one percent (1.0%) annual ambient traffic growth through year 2023 (i.e., Future Cumulative Baseline) plus completion and occupancy of the related projects plus completion and occupancy of the Project.

The HCM methodology for signalized and unsignalized intersections was utilized to calculate vehicle queuing. The operation analysis reports the control delay (in seconds), Levels of Service (LOS), and 95th percentile queues (in feet) for all approaches for the signalized intersections and the minor street approaches for the unsignalized intersections. The LOS under the HCM 6th Edition methodologies for signalized and stop-controlled intersections vary from LOS A (free flow) to LOS F (jammed condition). The 95th percentile queue is the maximum back of queue with 95th percentile traffic volumes. The HCM 6th Edition methodology worksheets report queues in number of vehicles. As such, an average vehicle length of 25 feet, which includes the length of the vehicle and spacing between vehicles, was assumed for analysis purposes. The reported queues therefore represent the calculated maximum back of queue in feet. The summary of vehicle queuing at the study intersections is provided in ***Table 5–1***. The summary of delay values and LOS at the study intersections is provided in ***Table 5–2***. The HCM methodology worksheets for the analyzed intersections are contained in ***Appendix G***.

The existing traffic volumes at the study intersections during the weekday AM and PM peak hours are displayed in ***Figure 3–6***. The future (existing and ambient growth) traffic volumes at the study intersections during the weekday AM and PM peak hours are presented in ***Figure 5–1***. The "Future Cumulative with Project" (existing, ambient growth, related projects, and Project) traffic volumes at the study intersections during the weekday AM and PM peak hours are illustrated in ***Figure 5–2***.

Table 5-1
SUMMARY OF VEHICLE QUEUING [1]
WEEKDAY AM AND PM PEAK HOURS

NO.	INTERSECTION	INTERSECTION CONTROL	TRAFFIC MOVEMENT	PEAK HOUR	AVAILABLE STORAGE CAPACITY (IN FEET) [2]	YEAR 2021 EXISTING		YEAR 2023 FUTURE CUMULATIVE W/ PROJECT		
						QUEUE LENGTH (IN FEET) [3]	EXCEEDS AVAILABLE STORAGE CAPACITY?	QUEUE LENGTH (IN FEET) [3]	EXCEEDS AVAILABLE STORAGE CAPACITY?	CHANGE IN QUEUE [4]
1	Avalon Boulevard / Rosecrans Avenue	Signalized	NB Right	AM	111.3	105.0	NO	118.1	YES	13.1
				PM		200.6	YES	205.4	YES	4.8
			SB Left	AM	122.3	135.0	YES	149.9	YES	14.9
				PM		177.1	YES	185.8	YES	8.7
			EB Through	AM	582.1	183.7	NO	199.4	NO	15.7
				PM		545.7	NO	574.6	NO	28.9
			WB Left	AM	197.9	130.2	NO	147.5	NO	17.3
				PM		94.0	NO	99.2	NO	5.2
			WB Through	AM	872.4	494.7	NO	541.4	NO	46.7
				PM		240.5	NO	252.8	NO	12.3
			WB Right	AM	872.4	500.0	NO	551.5	NO	51.5
				PM		233.8	NO	244.7	NO	10.9
2	Stanford Aveue / Rosecrans Avenue	Signalized	NB Left/Through/Right	AM	197.5	73.7	NO	113.9	NO	40.2
				PM		56.9	NO	66.4	NO	9.5
			SB Left/Through/Right	AM	1068.9	16.1	NO	18.9	NO	2.8
				PM		21.0	NO	21.0	NO	0.0
			EB Through	AM	883.2	21.5	NO	27.4	NO	5.9
				PM		282.4	NO	293.4	NO	11.0
			EB Right	AM	883.2	23.3	NO	28.9	NO	5.6
				PM		290.2	NO	301.2	NO	11.0
			WB Left	AM	94.0	8.9	NO	14.9	NO	6.0
				PM		36.1	NO	53.3	NO	17.2
			WB Through	AM	266.3	52.5	NO	64.0	NO	11.5
				PM		116.1	NO	122.5	NO	6.4
			WB Right	AM	266.3	57.5	NO	69.0	NO	11.5
				PM		120.2	NO	126.9	NO	6.7
3	Stanford Aveue / Lennon Street	Unsignalized	SB Left/Through	AM	733.7	2.5	NO	5.0	NO	2.5
				PM		0.0	NO	0.0	NO	0.0
			WB Left/Right	AM	272.8	5.0	NO	5.0	NO	0.0
				PM		2.5	NO	2.5	NO	0.0
4	McKinley Avenue / Rosecrans Avenue	Signalized	SB Left	AM	101.3	48.4	NO	59.9	NO	11.5
				PM		63.9	NO	68.3	NO	4.4
			EB Through	AM	257.4	22.9	NO	26.4	NO	3.5
				PM		77.0	NO	81.5	NO	4.5
			WB Through	AM	404.9	102.6	NO	114.0	NO	11.4
				PM		69.2	NO	74.2	NO	5.0
			WB Right	AM	404.9	104.5	NO	116.0	NO	11.5
				PM		70.4	NO	75.2	NO	4.8
5	Westerly Project Driveway / Rosecrans Avenue Local Access Road	Unsignalized	WB Left/Through	AM	147.1	2.5	NO	10.0	NO	7.5
				PM		2.5	NO	2.5	NO	0.0
6	Easterly Project Driveway / Rosecrans Avenue Local Access Road	Unsignalized	NB Right	AM	168.6	2.5	NO	12.5	NO	10.0
				PM		2.5	NO	5.0	NO	2.5
7	Cahita Avenue - Private Driveway / Rosecrans Avenue	Unsignalized	NB Left/Through/Right	AM	52.0	35.0	NO	62.5	YES	27.5
				PM		117.5	YES	140.0	YES	22.5
			EB Left	AM	78.2	2.5	NO	2.5	NO	0.0
				PM		0.0	NO	0.0	NO	0.0
			WB Left	AM	288.7	2.5	NO	7.5	NO	5.0
				PM		7.5	NO	7.5	NO	0.0
8	Cahita Avenue / Rosecrans Avenue Local Access Road	Unsignalized	SB Left/Through/Right [5]	AM	--	--	--	--	--	--
				PM		--	--	--	--	--
			EB Left/Through/Right	AM	205.3	2.5	NO	15.0	NO	12.5
				PM		2.5	NO	2.5	NO	0.0
			WB Left/Through/Right	AM	230.4	2.5	NO	7.5	NO	5.0
				PM		2.5	NO	2.5	NO	0.0

Table 5-1 (Continued)
SUMMARY OF VEHICLE QUEUING [1]
WEEKDAY AM AND PM PEAK HOURS

NO.	INTERSECTION	INTERSECTION CONTROL	TRAFFIC MOVEMENT	PEAK HOUR	AVAILABLE STORAGE CAPACITY (IN FEET) [2]	YEAR 2021 EXISTING		YEAR 2023 FUTURE CUMULATIVE W/ PROJECT		
						QUEUE LENGTH (IN FEET) [3]	EXCEEDS AVAILABLE STORAGE CAPACITY?	QUEUE LENGTH (IN FEET) [3]	EXCEEDS AVAILABLE STORAGE CAPACITY?	CHANGE IN QUEUE [4]
9	Aprilia Avenue - Private Driveway / Rosecrans Avenue	Signalized	NB Left	AM	50.1	6.2	NO	51.9	YES	45.7
				PM		15.1	NO	22.5	NO	7.4
			NB Right	AM	50.1	19.7	NO	36.4	NO	16.7
				PM		21.4	NO	24.4	NO	3.0
			EB Through	AM	494.4	15.0	NO	31.6	NO	16.6
				PM		68.2	NO	81.2	NO	13.0
			WB Left	AM	114.2	3.0	NO	11.9	NO	8.9
				PM		21.2	NO	26.2	NO	5.0
			WB Through	AM	492.9	26.5	NO	55.5	NO	29.0
				PM		24.2	NO	29.6	NO	5.4
10	Aprilia Avenue / Rosecrans Avenue Local Access Road	Unsignalized	SB Left/Through/Right [5]	AM	--	--	--	--	--	--
				PM		--	--	--	--	--
			EB Left	AM	219.2	2.5	NO	10.0	NO	7.5
				PM		2.5	NO	5.0	NO	2.5
11	Central Avenue / Rosecrans Avenue	Signalized	NB Left	AM	168.6	276.3	YES	337.9	YES	61.6
				PM		254.5	YES	280.9	YES	26.4
			SB Right	AM	99.7	254.9	YES	337.3	YES	82.4
				PM		140.8	YES	167.5	YES	26.7
			EB Left	AM	105.3	193.0	YES	237.6	YES	44.6
				PM		330.3	YES	357.5	YES	27.2
			EB Through	AM	538.6	191.1	NO	224.7	NO	33.6
				PM		493.8	NO	533.0	NO	39.2
			EB Right	AM	538.6	180.3	NO	211.5	NO	31.2
				PM		472.1	NO	509.9	NO	37.8
			WB Through	AM	636.3	926.9	YES	1243.9	YES	317.0
				PM		372.2	NO	415.1	NO	42.9

[1] Pursuant to the *Los Angeles County Public Works Transportation Impact Analysis Guidelines,* July 23, 2020, the Highway Capacity Manual (HCM) methodology for signalized and unsignalized intersections was utilized to calculate vehicle queuing.
[2] Existing lane queue storage capacity (in feet), as measured via Google Earth, 2022.
[3] The 95th percentile queue is the maximum back of queue with 95th percentile traffic volumes. The HCM 6th Edition methodology worksheets report queues in number of vehicles, however, an average vehicle length of 25 feet was assumed for analysis purposes. The reported queues therefore represent the calculated maximum back of queue in feet.
[4] Represents the change in calculated maximum back of queue (in feet) due to ambient growth, as well as the addition of traffic from the related projects, as well as the Project.
[5] Uncontrolled approach.

Table 5-2
SUMMARY OF DELAY VALUES AND LEVELS OF SERVICE [1]
WEEKDAY AM AND PM PEAK HOURS

NO.	INTERSECTION	INTERSECTION CONTROL	PEAK HOUR	YEAR 2021 EXISTING		YEAR 2023 FUTURE CUMULATIVE W/ PROJECT	
				DELAY (IN SECONDS) [2]	LOS [3]	DELAY (IN SECONDS) [2]	LOS [3]
1	Avalon Boulevard Rosecrans Avenue	Signalized	AM PM	40.5 42.2	D D	42.5 43.7	D D
2	Stanford Aveue / Rosecrans Avenue	Signalized	AM PM	4.3 14.0	A B	5.2 14.4	A B
3	Stanford Aveue / Lennon Street [4]	Unsignalized	AM PM	10.0 9.5	B A	10.8 9.8	B A
4	McKinley Avenue / Rosecrans Avenue	Signalized	AM PM	6.0 5.7	A A	6.3 5.9	A A
5	Westerly Project Driveway / Rosecrans Avenue Local Access Road [4]	Unsignalized	AM PM	7.3 7.3	A A	7.8 7.4	A A
6	Easterly Project Driveway / Rosecrans Avenue Local Access Road [4]	Unsignalized	AM PM	8.6 8.6	A A	9.0 8.6	A A
7	Cahita Avenue - Private Driveway / Rosecrans Avenue [4]	Unsignalized	AM PM	29.0 253.0	D F	37.9 334.0	E F
8	Cahita Avenue / Rosecrans Avenue Local Access Road	Unsignalized	AM PM	7.2 7.3	A A	7.9 7.4	A A
9	Aprilia Avenue - Private Driveway / Rosecrans Avenue	Signalized	AM PM	2.4 3.2	A A	4.4 3.7	A A
10	Aprilia Avenue / Rosecrans Avenue Local Access Road	Unsignalized	AM PM	7.1 7.4	A A	7.5 7.4	A A
11	Central Avenue / Rosecrans Avenue	Signalized	AM PM	56.9 45.9	E D	75.0 48.9	E D

[1] Pursuant to the *Los Angeles County Public Works Transportation Impact Analysis Guidelines,* July 23, 2020, the Highway Capacity Manual (HCM) methodology for signalized and unsignalized intersections was utilized to calculate delay values and Levels of Service.

[2] Intersection delay reported in seconds per vehicle.

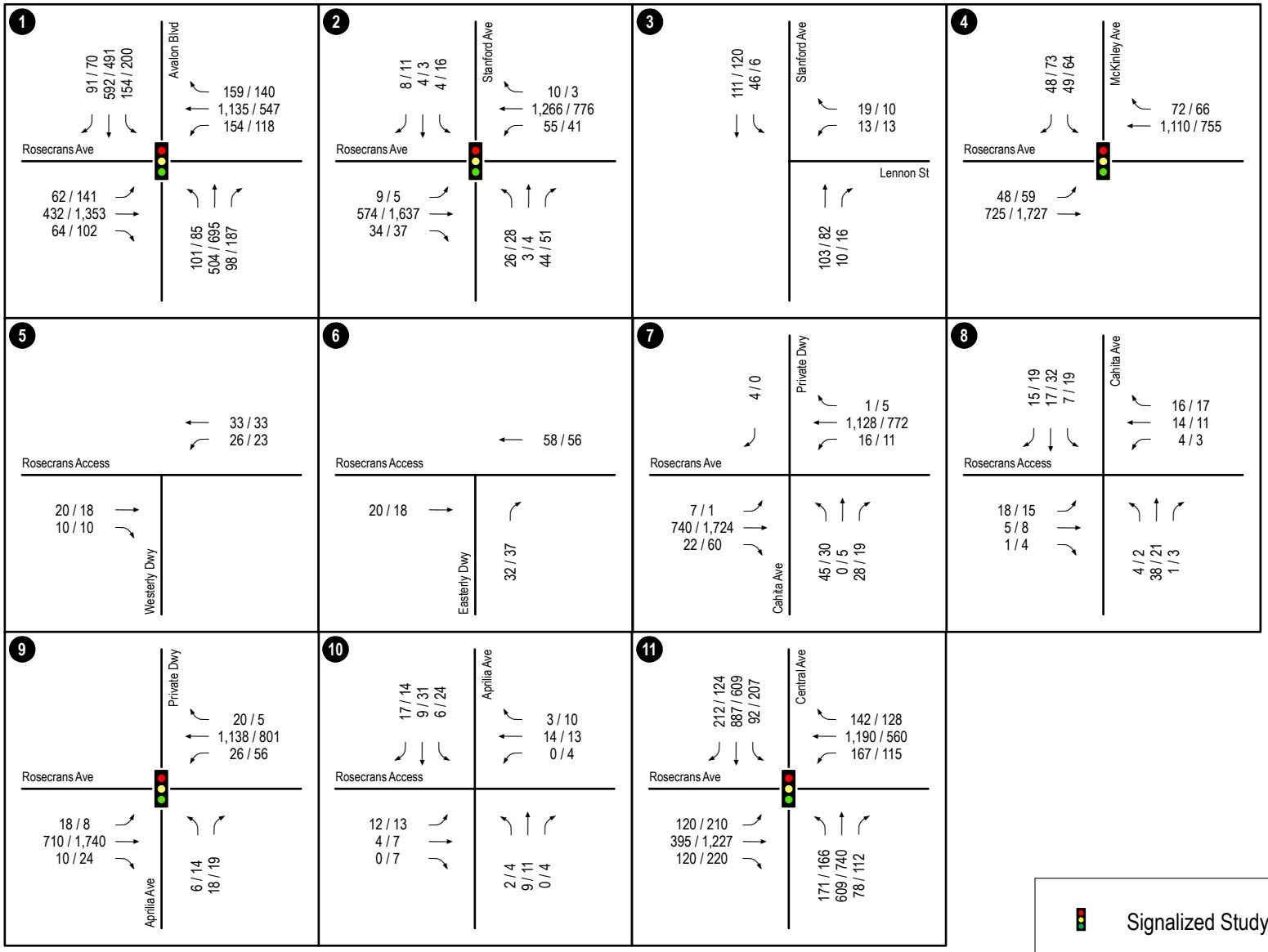
[3] Signalized Intersection Levels of Service were based on the following criteria:

Control Delay (s/veh)	LOS
<= 10	A
> 10-20	B
> 20-35	C
> 35-55	D
> 55-80	E
> 80	F

Unsignalized Intersection Levels of Service were based on the following criteria:

Control Delay (s/veh)	LOS
<= 10	A
> 10-15	B
> 15-25	C
> 25-35	D
> 35-50	E
> 50	F

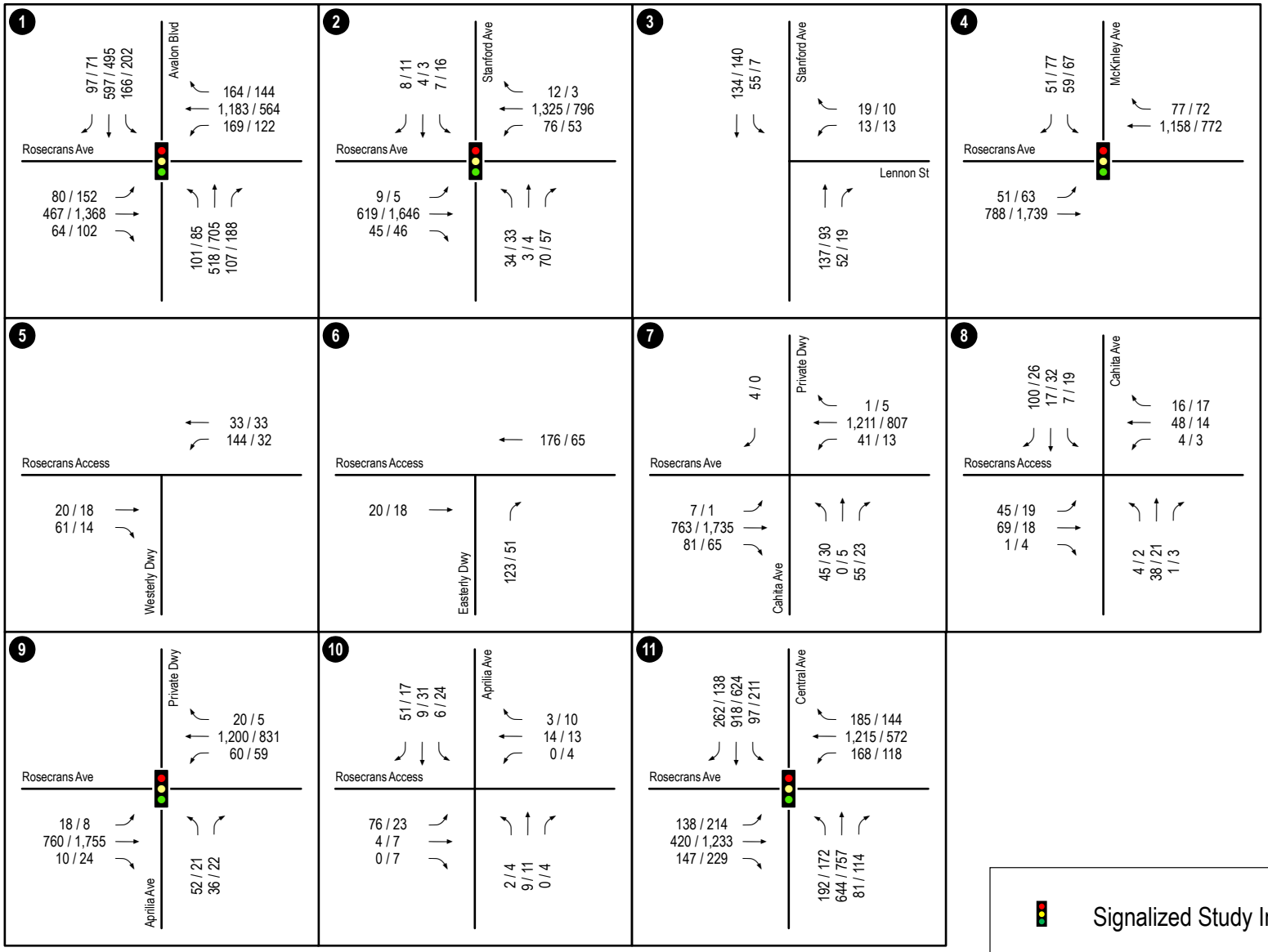
[4] Two-Way Stop-Controlled (TWSC) intersection. Reported delay values (in seconds) and Levels of Service associated with the most constrained approach of the intersection.



LINSCOTT LAW & GREENSPAN engineers

U:\0529\gis
Date: 9/20/2022
Time: 8:55 AM

Figure 5-1
Future (2023) Traffic Volumes



U:\0529\gis
Date: 9/20/2022
Time: 9:01 AM

Figure 5-2
Future (2023) Cumulative with Project Traffic Volumes
(Page 2 of 2)

5.4 Results of Operational Analysis

As presented in ***Table 5–1***, Project-related traffic would not cause or substantially extend vehicle queuing at seven (7) of the 11 study intersections during the weekday AM and PM peak hours. At these intersections, the change in queue length under Future Cumulative with Project conditions ranges from no increase in queue length to a maximum of 40.2 feet (i.e., less than two vehicles). Vehicle queuing would be extended, resulting in or worsening spill over from turn pockets into through lanes or into adjacent intersections under Future Cumulative with Project conditions at the following four (4) intersections:

- Avalon Boulevard / Rosecrans Avenue
    - Northbound Right-Turn Approach: The change in queue length at the northbound Avalon Boulevard right-turn approach under Future Cumulative with Project conditions increases by 13.1 feet and 4.8 feet (i.e., less than one vehicle) during the weekday AM and PM peak hours, respectively. The queue length under existing conditions does not exceed the available storage capacity during the weekday AM peak hour. While the queue length would exceed the available storage capacity under Future Cumulative with Project conditions, there is approximately 70 feet of additional roadway length for vehicles to queue due to the presence of red curb along Avalon Boulevard. Therefore, while the right-turn pocket striping (measured from the limit line to the beginning of the turn pocket) is approximately 111.3 feet, the presence of red curb extends the right-turn storage area by 70 feet, for a total of 181.3 feet of queuing space. As the estimated queue length under Future Cumulative with Project conditions is 118.1 feet during the weekday AM peak hour, vehicles would not spill over into the adjacent through lane. The queue length under existing conditions exceeds the available storage capacity during the weekday PM peak hour and would be extended minimally under Future Cumulative with Project conditions. Furthermore, there is substantial distance between the Avalon Boulevard / Rosecrans Avenue intersection and the signalized Avalon Boulevard / Compton Boulevard intersection to the south, so vehicle queuing would not spill over into an adjacent signalized intersection.

    - Southbound Left-Turn Approach: The change in queue length at the southbound Avalon Boulevard left-turn approach under Future Cumulative with Project conditions increases by 14.9 feet and 8.7 feet (i.e., less than one vehicle) during the weekday AM and PM peak hours, respectively. The queue length under existing conditions exceeds the available storage capacity during the weekday AM and PM peak hours and would be extended minimally under Future Cumulative with Project conditions. It is noted that while there is no striping, the full width left-turn lane, which is approximately 122 feet in length (measured from the limit line to the beginning of the turn pocket) extends another approximately 50 feet beyond the existing striped left-turn lane for a total queuing capacity of 172 feet. During the AM peak hour, the estimated queue length is

149.9 feet, and therefore, there is sufficient queuing capacity whereas vehicles would not spill over into the adjacent through lane. During the PM peak hour, the existing queue length is 177.1 feet and therefore slightly exceeds the available storage capacity of 172 feet. As this is the calculated 95th percentile queue length, any spillover during the PM peak hour would only be momentary. Additionally, there is substantial distance between the Avalon Boulevard / Rosecrans Avenue intersection and the signalized Avalon Boulevard / 135th Street intersection to the north, so vehicle queuing would not spill over into an adjacent signalized intersection.

- Cahita Avenue – Private Driveway / Rosecrans Avenue

    - Northbound Left/Through/Right Approach: The change in queue length at the northbound Cahita Avenue shared left/through/right approach under Future Cumulative with Project conditions increases by 27.5 feet (i.e., just over one vehicle) and 22.5 feet (i.e., just less than one vehicle) during the weekday AM and PM peak hours, respectively. The existing "KEEP CLEAR" pavement markings would indicate that vehicle queuing is not permitted at this approach. It is noted that there is ample storage capacity for Project-related traffic to queue at the eastbound Cahita Avenue / Rosecrans Avenue Local Access Road approach. Furthermore, as outbound Project-related traffic will be limited to right-turn movements, it is expected that vehicles will be able to make a northbound right-turn movement onto eastbound Rosecrans Avenue with relative ease.

      Green Dot Public Schools will distribute materials to parents/caregivers that details the Project's drop-off/pick-up procedures on a bi-annual basis (i.e., at the beginning of each academic semester). Parents/caregivers will be encouraged to exit the Project Site and continue eastbound on the Rosecrans Avenue Local Access Road to Aprilia Avenue and make a left-turn at Aprilia Avenue. Parents/caregivers will then make a left-turn or right-turn movement onto Rosecrans Avenue at the signalized Aprilia Avenue – Private Driveway / Rosecrans Avenue intersection.

- Aprilia Avenue – Private Driveway / Rosecrans Avenue

    - Northbound Left-Turn Approach: The change in queue length at the northbound Aprilia Avenue left-turn approach under Future Cumulative with Project conditions increases by 45.7. feet (i.e., just less than two vehicles) and 7.4 feet (i.e., less than one vehicle) during the weekday AM and PM peak hours, respectively. It is noted that this is a shared approach (i.e., there is one available lane for left- and right-turn movements). The existing "KEEP CLEAR" pavement markings would indicate that vehicle queuing is not permitted at this approach. It is noted that there is ample storage capacity for Project-related traffic to queue at the eastbound Aprilia Avenue / Rosecrans Avenue Local Access Road approach. Furthermore, as this intersection is signalized and volumes at the northbound

approach are relatively low, it is expected that vehicles making a northbound left-turn movement onto westbound Rosecrans Avenue will be able to do so with relative ease.

- Northbound Right-Turn Approach: The change in queue length at the northbound Aprilia Avenue right-turn approach under Future Cumulative with Project conditions increases by 16.7 feet and 3.0 feet (i.e., less than one vehicle) during the weekday AM and PM peak hours, respectively. It is noted that this is a shared approach (i.e., there is one available lane for left- and right-turn movements). The existing "KEEP CLEAR" pavement markings would indicate that vehicle queuing is not permitted at this approach. It is noted that there is ample storage capacity for Project-related traffic to queue at the eastbound Aprilia Avenue / Rosecrans Avenue Local Access Road approach. Furthermore, as this intersection is signalized and volumes at the northbound approach are relatively low, it is expected that vehicles making a northbound right-turn movement onto eastbound Rosecrans Avenue will be able to do so with relative ease.

- Central Avenue / Rosecrans Avenue

  - Northbound Left-Turn: The change in queue length at the northbound Central Avenue left-turn approach under Future Cumulative with Project conditions increases by 61.6 feet (i.e., less than three vehicles) and 26.4 feet (i.e., just more than one vehicle) during the weekday AM and PM peak hours, respectively. The queue length under existing conditions exceeds the available storage capacity during the weekday AM and PM peak hours and would be extended minimally under Future Cumulative with Project conditions. It is noted that there is substantial distance between the Central Avenue / Rosecrans Avenue intersection and the signalized Central Avenue / 148th Street – Brazil Street intersection to the south, so vehicle queuing would not spill over into an adjacent signalized intersection.

  - Southbound Right-Turn: The change in queue length at the southbound Central Avenue right-turn approach under Future Cumulative with Project conditions increases by 82.4 feet (i.e., just more than three vehicles) and 26.7 feet (i.e., just more than one vehicle) during the weekday AM and PM peak hours, respectively. The queue length under existing conditions exceeds the available storage capacity during the weekday AM and PM peak hours and would be extended minimally under Future Cumulative with Project conditions. It is noted that there is substantial distance between the Central Avenue / Rosecrans Avenue intersection and the signalized Central Avenue / 139th Street intersection to the north, so vehicle queuing would not spill over into an adjacent signalized intersection.

  - Eastbound Left-Turn: The change in queue length at the eastbound Rosecrans Avenue left-turn approach under Future Cumulative with Project conditions increases by 44.6 feet (i.e., less than two vehicles) and 27.2 feet (i.e., just more

than one vehicle) during the weekday AM and PM peak hours, respectively. The queue length under existing conditions exceeds the available storage capacity during the weekday AM and PM peak hours and would be extended minimally under Future Cumulative with Project conditions. It is noted that there is ample storage capacity beyond the striped left-turn pocket due to the presence of a two-way center left-turn lane on Rosecrans Avenue. Furthermore, there is substantial distance between the Central Avenue / Rosecrans Avenue intersection and the signalized Aprilia Avenue – Private Driveway / Rosecrans Avenue intersection to the west, so vehicle queuing would not spill over into an adjacent signalized intersection.

- Westbound Through: The change in queue length at the westbound Rosecrans Avenue through approach under Future Cumulative with Project conditions increases by 317.0 feet (i.e., less than 13 vehicles) and 42.9 feet (i.e., just less than two vehicles) during the weekday AM and PM peak hours, respectively. The queue length under existing conditions exceeds the available storage capacity (measured from limit line of the westbound Central Avenue / Rosecrans Avenue approach to the adjacent signalized Parmalee Avenue / Rosecrans Avenue intersection to the east) during the weekday AM peak hour. It is recommended that the City of Compton review the existing traffic signal timing for both the Central Avenue / Rosecrans Avenue and Parmalee Avenue / Rosecrans Avenue intersection to ensure coordination to improve operations.

As mentioned above, vehicular traffic at one of the four study locations (Central Avenue / Rosecrans Avenue) would be expected to spill over into an adjacent signalized intersection (Parmalee Avenue / Rosecrans Avenue) under Future Cumulative with Project conditions. It is noted that spill over is occurring under existing conditions and would be extended under Future Cumulative with Project conditions. It is recommended that the City of Compton review the existing traffic signal timing for both the Central Avenue / Rosecrans Avenue and Parmalee Avenue / Rosecrans Avenue intersection to ensure coordination to improve operations.

6.0 TRAFFIC SIGNAL WARRANT ANALYSIS

A traffic signal warrant analysis was conducted for the existing Stanford Avenue / Lennon Street and Cahita Avenue – Private Driveway / Rosecrans Avenue intersections to determine if traffic signal installation may be warranted following build-out and occupancy of the Project. The traffic signal warrant analysis was prepared based on criteria set forth in Chapter 4C of the *Manual on Uniform Traffic Control Devices (MUTCD)*.[11] Warrant No. 2 (Four Hour Vehicular Volume) and Warrant No. 3 (Peak Hour Volume) traffic signal warrants were prepared. The traffic signal warrant calculations were based on existing traffic volumes and Future Cumulative Baseline plus related projects traffic volumes and Project traffic volumes along all approaches. Copies of the traffic signal warrant data worksheets are contained in ***Appendix H***.

6.1 Existing Conditions

The following provides a summary of existing conditions, as well as factors assumed, and data collected in preparing the traffic signal warrant analysis:

- The Stanford Avenue / Lennon Street intersection is currently controlled by a stop sign facing the side street (Lennon Street) approach. At the Stanford Avenue / Lennon Street intersection, Stanford Avenue was assumed to be the major street, while Lennon Street was assumed to be the minor street. Stanford Avenue has a posted speed limit of 35 miles per hour within the Project study area. Lennon Street has a posted speed limit of 25 miles per hour within the Project study area.

- The Cahita Avenue – Private Driveway / Rosecrans Avenue intersection is currently controlled by stop signs facing the side street (Cahita Avenue – Private Driveway) approaches. At the Cahita Avenue – Private Driveway / Rosecrans Avenue intersection, Rosecrans Avenue was assumed to be the major street, while Cahita Avenue was assumed to be the minor street. Rosecrans Avenue has a posted speed limit of 40 miles per hour within the Project study area. Cahita Avenue has a posted speed limit of 25 miles per hour within the Project study area. Additionally, as the northbound Cahita Avenue approach is approximately 27 feet in width, the approach functions as a two-lane approach as it is sufficient in width for vehicles to queue side-by-side. Therefore, for this traffic signal warrant analysis, the northbound Cahita Avenue approach has been analyzed as a two-lane approach.

- Manual peak hour traffic counts were conducted at the stop-sign controlled intersections. Copies the traffic counts for the intersection and approaches are contained in ***Appendix B***.

[11] *Manual on Uniform Traffic Control Devices (MUTCD),* 2014 California Supplement, March 30, 2021.

6.2 Traffic Signal Warrant Analysis

6.2.1 *Stanford Avenue / Lennon Street*

The following paragraphs provide a detailed discussion of the traffic signal warrant prepared for the Stanford Avenue / Lennon Street intersection.

Warrant 2: Four Hour Vehicular Volume Warrant

The Four Hour Vehicular Volume Warrant (Warrant 2) is intended for application at locations where a large volume of traffic along a major street occurs during any four one-hour periods of a day. Warrant 2 is not satisfied when the plotted point, representing the vehicles per hour on the major street (total of both approaches) and the corresponding vehicles per hour on the higher volume minor street approach (one direction only) for one hour of an average day, falls above the curve for only one point in Figure 4C-1 for the applicable number of approach lanes. The lower threshold for a major street approach with one lane is 300 vehicles per hour while the lower threshold for a minor street with one approach lane is 80 vehicles per hour. For this analysis, the four one-hour periods used, from the one-hour period with the highest total approach volumes to the lowest, were 8:00 AM, 4:00 PM, 5:00 PM, and 7:00 AM.

As indicated in Figure 4C-1 provided in ***Appendix H***, the plotted points for Warrant 2 are below the applicable curve for "Existing" and "Future Cumulative with Project" conditions for the Stanford Avenue / Lennon Street intersection at all four points. Therefore, Warrant 2 is not satisfied for the intersection under "Existing" and "Future Cumulative with Project" conditions.

Warrant 3: Peak Hour Volume Warrant

The Peak Hour Volume Warrant (Warrant 3) is applied for land uses that attract or discharge large numbers of vehicles over a short period of time. Warrant 3 is satisfied when: 1) The total delay experienced by traffic on one minor street approach (one direction only) controlled by a STOP sign equals or exceeds four vehicle-hours for a one-lane approach or five vehicle-hours for a two-lane approach; and the volume on the same minor street approach (one direction only) equals or exceeds 100 vehicles per hour (vph) for one moving lane of traffic or 150 vph for two moving lanes; and the total entering volume serviced during the hour equals or exceeds 800 vph for intersections with four or more approaches or 650 vph for intersections with three approaches (Part A), or 2) the plotted point, representing the vehicles per hour on the major street (total of both approaches) and the corresponding vehicles per hour on the higher volume minor street approach (one direction only) for one hour of an average day, falls above the curve in Figure 4C-3 for the applicable number of approach lanes. The lower threshold for a major street approach with one approach lane is 450 vehicles per hour. The lower threshold for a minor street approach with one lane is 100 vehicles per hour.

For Part A, as indicated in ***Appendix H***, the total delay experienced by traffic on the Lennon Street approach does not exceed four vehicle-hours, the volumes on Lennon Street do not exceed 100 vph during any of the four one-hour periods (8:00 AM, 4:00 PM, 5:00 PM, and 7:00 AM), and the total entering volume serviced at the Stanford Avenue / Lennon Street intersection during

the 8:00 AM peak hour does not exceed 650 vph under both "Existing" and "Future Cumulative with Project" conditions. Therefore, Part A of Warrant 3 is not satisfied for the intersection. For Part B, as indicated in Figure 4C-3 provided in ***Appendix H***, the plotted point for the peak hour falls below the applicable curve under "Existing" and "Future Cumulative with Project" conditions for the Stanford Avenue / Lennon Street intersection, and therefore Part B of Warrant 3 is not satisfied for the intersection. As neither Part A nor Part B are satisfied, Warrant 3 is not satisfied for the intersection.

6.2.2 *Cahita Avenue – Private Driveway / Rosecrans Avenue*

The following paragraphs provide a detailed discussion of the traffic signal warrant prepared for the Cahita Avenue – Private Driveway / Rosecrans Avenue intersection.

Warrant 2: Four Hour Vehicular Volume Warrant

The Four Hour Vehicular Volume Warrant (Warrant 2) is intended for application at locations where a large volume of traffic along a major street occurs during any four one-hour periods of a day. Warrant 2 is not satisfied when the plotted point, representing the vehicles per hour on the major street (total of both approaches) and the corresponding vehicles per hour on the higher volume minor street approach (one direction only) for one hour of an average day, falls above the curve for only one point in Figure 4C-1 for the applicable number of approach lanes. The lower threshold for a major street approach with two or more lanes is 500 vehicles per hour while the lower threshold for a minor street with two or more approach lanes is 115 vehicles per hour. For this analysis, the four one-hour periods used, from the one-hour period with the highest total approach volumes to the lowest, were 5:00 PM, 4:00 PM, 8:00 AM, and 7:00 PM.

As indicated in Figure 4C-1 provided in ***Appendix H***, the plotted points for Warrant 2 are below the applicable curve for "Existing" and "Future Cumulative with Project" conditions for the Cahita Avenue – Private Driveway / Rosecrans Avenue intersection. Therefore, Warrant 2 is not satisfied for the intersection under "Existing" and "Future Cumulative with Project" conditions.

Warrant 3: Peak Hour Volume Warrant

The Peak Hour Volume Warrant (Warrant 3) is applied for land uses that attract or discharge large numbers of vehicles over a short period of time. Warrant 3 is satisfied when: 1) The total delay experienced by traffic on one minor street approach (one direction only) controlled by a STOP sign equals or exceeds four vehicle-hours for a one-lane approach or five vehicle-hours for a two-lane approach; and the volume on the same minor street approach (one direction only) equals or exceeds 100 vph for one moving lane of traffic or 150 vph for two moving lanes; and the total entering volume serviced during the hour equals or exceeds 800 vph for intersections with four or more approaches or 650 vph for intersections with three approaches (Part A), or 2) the plotted point, representing the vehicles per hour on the major street (total of both approaches) and the corresponding vehicles per hour on the higher volume minor street approach (one direction only) for one hour of an average day, falls above the curve in Figure 4C-3 for the applicable number of approach lanes. The lower threshold for a major street approach with two

or more approach lanes is 600 vehicles per hour. The lower threshold for a minor street approach with two or more lanes is 150 vehicles per hour.

For Part A, as indicated in ***Appendix H***, the total delay experienced by traffic on the northbound Cahita Avenue approach does not exceed four vehicle-hours under "Existing" conditions but does under "Future Cumulative with Project" conditions. The volumes on the northbound Cahita Avenue approach do not exceed 150 vph during any of the four one-hour periods (5:00 PM, 4:00 PM, 8:00 AM, and 7:00 PM) under both "Existing" and "Future Cumulative with Project" conditions. The total entering volume serviced at the Cahita Avenue – Private Driveway / Rosecrans Avenue intersection during the 5:00 PM peak hour exceeds 800 vph under both "Existing" and "Future Cumulative with Project" conditions. Therefore, Part A of Warrant 3 is not satisfied for the intersection. For Part B, as indicated in Figure 4C-3 provided in ***Appendix H***, the plotted point for the peak hour falls below the applicable curve under "Existing" and "Future Cumulative with Project" conditions for the Cahita Avenue – Private Driveway / Rosecrans Avenue intersection, and therefore Part B of Warrant 3 is not satisfied for the intersection. As neither Part A nor Part B are satisfied, Warrant 3 is not satisfied for the intersection.

6.3 Traffic Signal Warrants Conclusions

Table 6–1 provides a summary of the traffic signal warrants analysis prepared for the stop-sign controlled intersections. The findings are provided below:

Stanford Avenue / Lennon Street

- The Warrant 2 (Four Hour) and Warrant 3 (Peak Hour) are not satisfied for Existing and Future Cumulative with Project conditions.

Cahita Avenue – Private Driveway / Rosecrans Avenue

- The Warrant 2 (Four Hour) and Warrant 3 (Peak Hour) are not satisfied for Existing and Future Cumulative with Project conditions.

As noted in the MUTCD document, the satisfaction of traffic signal warrants does not necessarily justify the installation of a traffic signal. Delay, congestion, approach conditions, driver behavior, intersection location/vicinity, and/or other evidence of the need for right-of-way assignment beyond that which could be provided by stop-sign control may also be demonstrated.

Table 6-1
TRAFFIC SIGNAL WARRANTS SUMMARY [1]

NO.	INTERSECTION	EXISTING		FUTURE CUMULATIVE WITH PROJECT	
		WARRANT 2 4-HOUR SATISFIED? [2]	WARRANT 3 PEAK HOUR SATISFIED? [2]	WARRANT 2 4-HOUR SATISFIED? [2]	WARRANT 3 PEAK HOUR SATISFIED? [2]
3	Stanford Avenue / Lennon Street	NO	NO	NO	NO
7	Cahita Avenue - Private Driveway / Rosecrans Avenue	NO	NO	NO	NO

[1] Traffic signal warrant analysis based on the *Manual on Uniform Traffic Control Devices (MUTCD),* 2014 California Supplement, March 30, 2021.

[2] Traffic signal warrant data worksheets are contained in ***Appendix H***.

7.0 QUEUING ANALYSIS

7.1 Proposed Student Drop-Off and Pick-Up Operations

The proposed student drop-off/pick-up area is shown in ***Figure 7–1***. As shown in ***Figure 7–1***, vehicles destined to the Project Site to drop-off or pick-up students will make either an eastbound right-turn movement or westbound left-turn movement from the Rosecrans Avenue Local Access Road into the Westerly Project Driveway and enter the Project Site's drop-off/pick-up area. Vehicles will then travel through the drop-off/pick-up area until they reach the to the point where student drop-off and pick-up will occur. Upon completing student drop-off or pick-up, vehicles will then continue northbound and exit onto the Rosecrans Avenue Local Access Road by making a right-turn movement.

The onsite drop-off/pick-up area, measured from the property line at the inbound Westerly Project driveway to the point where drop-off/pick-up occurs, is 775 feet in length. Assuming an average vehicle length of 20 feet, the onsite drop-off/pick-up area can accommodate 38 queued vehicles. The drive aisle width ranges from 26 feet to 28.67 feet, which is sufficient to accommodate one lane of queued vehicles (38 vehicles), plus a bypass lane to allow vehicles to bypass the queue should there be a delay related to the passenger loading/unloading of one or more of the queued vehicles. Consistent with its practice at the existing school, adult monitors will be stationed throughout the Project Site, at the student drop-off/pick-up point, and at the entry and exit points during the student drop-off and pick-up periods.

7.1.1 *Estimated Peak Vehicle Queue*

Private vehicles are the main component that contributes to the vehicle queuing analysis during the peak student drop-off and pick-up periods. The analysis focuses on the morning student drop-off period, as the pick-up of students tends to be dispersed on a relative basis throughout the afternoon, particularly as many students are involved with after-school activities.

As presented in ***Table 2–1***, the Project's middle school and high school components are forecast to generate 202 inbound trips and 120 outbound trips during the AM peak hour (refer to Subsection 2.8.1, Project Traffic Generation, for a discussion of the Project's trip generation forecast). The trip generation forecast was prepared based on trip rates provided in the ITE *Trip Generation Manual*.

It is presumed that the ITE trip rates are based on trip generation studies of existing schools without staggering of start and dismissal times. As noted in Section 2.3 herein, the Project proposes to stagger the start times of the proposed middle and high schools by at least 20 minutes, thereby likely resulting in the dispersing of Project-related trips beyond the 60-minute window for which the trip forecast is yielded through use of the ITE peak hour trip rates. However, to provide a conservative "worst case" analysis of vehicle queuing at the Project Site, it is assumed that the peak hour trip forecast provided by use of the ITE trip rates will occur within a 60-minute period.

As the ITE trip rates do not distinguish between trips related to staff arrivals and student drop-offs in the morning, it can be generally assumed that the 120 outbound trips during the AM peak hour would correlate with at least 120 inbound trips during this period related to student drop-off operations. The remaining inbound vehicle trips during the AM peak hour are likely due to administrative staff, visitors, etc. Therefore, for this queuing analysis, it has been assumed that 120 vehicles would utilize the onsite vehicle queue area as part of the student drop-off operations.

As shown in ***Figure 7–1***, student drop-off and pick-up will occur within the surface parking lot. As discussed in Sections 2.4 and 2.7 herein, the surface parking lot will be utilized by the Project, as well as the existing church to remain. School staff will be instructed to arrive at the Project Site prior to the commencement of the student drop-off period to prevent interference with student drop-off operations. As LLG understands, three staff members from the church are present onsite between 10:00 AM and 5:00 PM on a typical weekday. Church staff members will arrive onsite outside of the Project's morning drop-off period and depart after the primary pick-up period. Any weekday events (e.g., worship, choir practice, etc.) start at 5:00 PM or later. Therefore, school staff and the weekday operations of the existing church will not conflict with the Project's pick-up and drop-off periods.

The M/M/s queuing model was used to prepare the onsite queuing analysis. The M/M/s queuing model will calculate average queuing, as well as peak queues at various confidence levels. For this analysis, the peak queue at the 95th percentile confidence level was utilized, which is similar to the confidence level used in the design of left-turn pocket lengths at intersections.

The model requires the input of three parameters: average arrival rate per hour, the number of servers (i.e., adult monitors assisting students to and from cars), and average service rate per hour for each adult monitor. For this analysis, the model inputs are based on an arrival rate of 120 vehicles per hour accommodated by the three monitors (servers), with each monitor able to process one car per minute (or 60 vehicles per hour) during the student drop-off period. As previously stated, the start times of the Project's middle school and high school will be staggered by a minimum of 20 minutes, thereby dispersing the arrival of traffic over a longer period of time. However, this conservatively assumes that the forecast arrival of traffic will occur over a 60-minute period.

The M/M/s queuing calculations[12] prepared for the Project are provided in ***Appendix I***. As shown in ***Appendix I***, the average queue is approximately 2.89 vehicles (customers). As further shown in the table provided in ***Appendix I***, at the 95th percent confidence level (precisely, 96.10% as shown in ***Appendix I***), the maximum onsite queue is calculated to be eight vehicles.

As previously noted, the onsite drop-off/pick-up area can accommodate 38 queued vehicles, which can readily accommodate the forecast peak queue of eight vehicles. Accordingly, Project-related trips are not expected to queue onto the Rosecrans Avenue Local Access Road. Therefore, it is concluded that the planned onsite vehicle queuing area can adequately

[12] *Tutorial on Queuing Theory,* Kardi Teknomo, 2014.

accommodate the forecast peak queue of eight vehicles during the morning student drop-off operation at the Project.

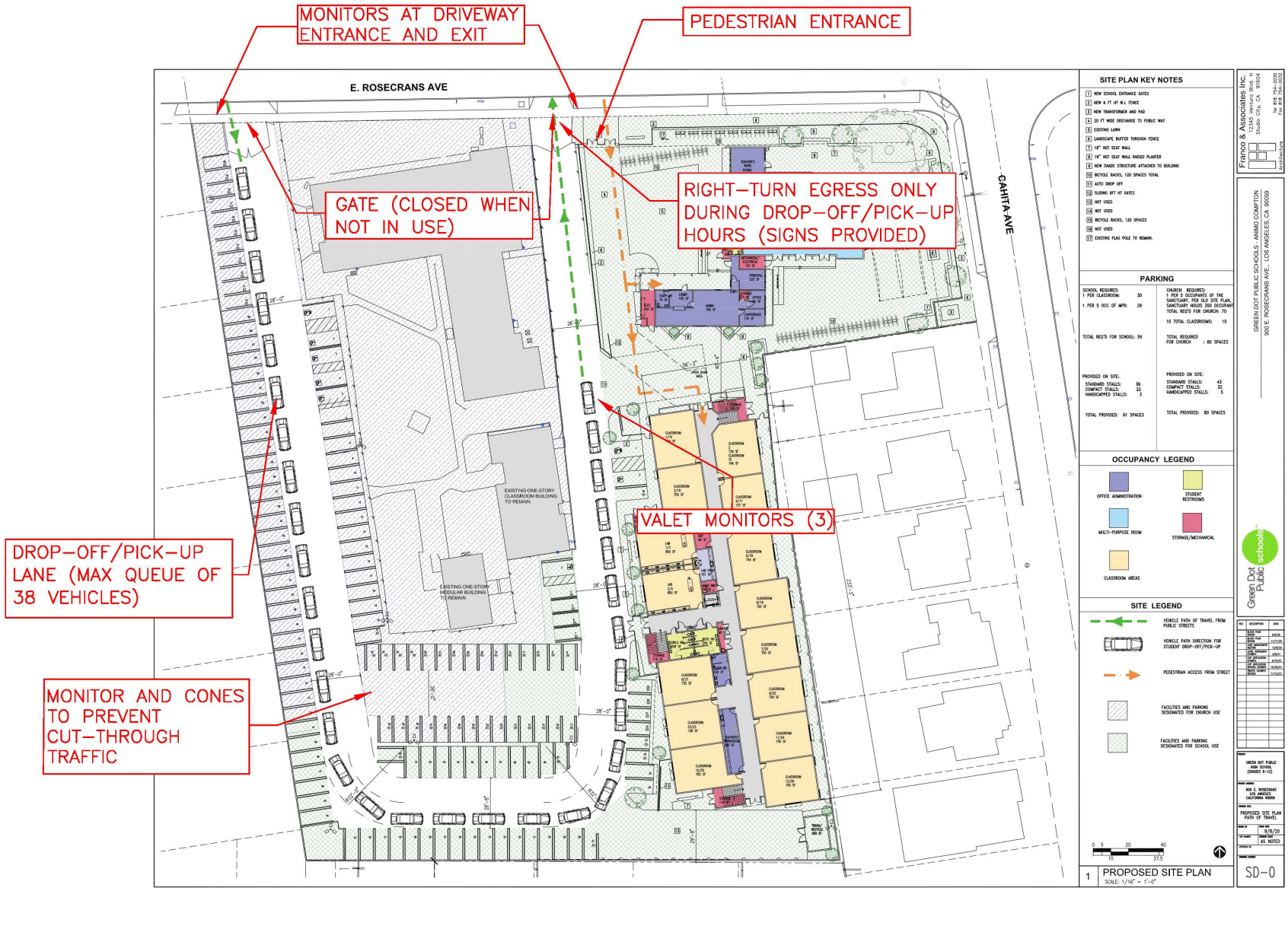


Figure 7-1
Student Drop-Off/Pick-Up Plan

U:\0529\gis
Date: 4/20/2022
Time: 1:50 PM

8.0 SUMMARY AND CONCLUSIONS

- ***Project Description*** – The Project proposes the development and construction of a public charter middle/high school accommodating a maximum enrollment of 600 students. Specifically, the Project proposes to serve 180 students in the 6th through 8th grades and 420 students in the 9th through 12th grades.

  The Project proposes to construct a new two-story classroom building on the eastern portion of the Project Site with a total of 26 standard classrooms and four (4) laboratory classrooms. Additionally, the Project will repurpose the existing preschool building at the northeasterly portion of the Project Site into a multipurpose room, administrative uses, restrooms, a breakroom, and a servery. No changes to the existing church are proposed as part of the Project.

  Parking for the Project will be provided within the existing surface parking lot. While the Project and the existing church will share a parking lot, parking will be provided per the County Code requirements. The parking lot will be restriped and will provide a total of 61 parking spaces for the Project and 80 parking spaces for the church. Parking for the Project will be for staff and visitors only, as students will not be permitted to drive themselves to school. Construction and occupancy of the Project is proposed to be completed by the year 2023.

  It is noted that Green Dot Public Schools currently operates a school at a temporary facility located at 13305 San Pedro Street, Los Angeles, CA, 90061. The existing school is located approximately 1.3 miles northwest of the Project Site and currently has a total enrollment of 218 students and 20 staff members. If the Project is ultimately approved and constructed, operations at the temporary facility would cease and moved to the Project.

  If ultimately approved, the start and dismissal times of the Project's middle school and high school components will be staggered by a minimum of 20 minutes. For example, the middle school component (i.e., Grades 6 through 8) would commence at 8:10 AM, and the high school component (i.e., Grades 9 through 12) would commence at 8:30 AM. By staggering the student start and dismissal times by 20 minutes, the arrival of traffic is dispersed over a longer period of time.

  The existing school does not hold special events, and this will continue upon build-out and occupancy of the Project. Events such as parent-teacher conferences will be held onsite but will be scheduled throughout the day as to not have a negative effect on student drop-off/pick-up operations, onsite parking, and traffic on the surrounding roadways during the weekday AM and PM peak hours.

- ***Study Scope*** **–** This TIA (i) presents the Project's existing transportation network context, (ii) forecasts Project-generated traffic, (iii) presents a CEQA assessment of Project-related VMT, (iv) provides a non-CEQA evaluation of Project access and circulation, (v)

provides a non-CEQA traffic signal warrant analysis for the Stanford Avenue / Lennon Street and Cahita Avenue – Private Driveway / Rosecrans Avenue intersections, and (vi) presents a non-CEQA queuing analysis for the Project's onsite drop-off/pick-up area.

- ***Project Trip Generation*** – The Project is expected to generate 260 net new vehicle trips (169 inbound trips and 91 outbound trips) during the AM peak hour. During the PM peak hour, the Project is expected to generate 27 net new vehicle trips (13 inbound trips and 14 outbound trips). Over a 24-hour period, the Project is forecast to generate 967 net new vehicle daily trips ends (484 inbound trips and 483 outbound trips) during a typical weekday.

- ***VMT Analysis*** – The Project is not expected to result in a significant VMT impact. Further, based on the Project-related VMT analysis and the conclusions discussed in Section 4.6 (which demonstrate that the Project falls under the County's efficiency-based impact thresholds and thus are already shown to align with the long-term VMT and GHG reduction goals of SCAG's RTP/SCS), no cumulative VMT impacts are anticipated.

- ***Operational Analysis*** – Eleven study locations were reviewed for effects on circulation within the existing transportation network, including vehicular queuing spillover which blocks through lanes or adjacent signalized intersections. The study locations were evaluated using the Highway Capacity Manual (HCM) methodology. It is concluded that vehicle queuing would be extended, resulting in or worsening spill over from turn pockets into through lanes or adjacent intersections at four of the 11 study locations under Future Cumulative with Project conditions. However, vehicular traffic at only one of the study locations (Central Avenue / Rosecrans Avenue) would be expected to spill over into an adjacent signalized intersection (Parmalee Avenue / Rosecrans Avenue) under Future Cumulative with Project conditions. It is noted that spill over is occurring under existing conditions and would be extended under Future Cumulative with Project conditions. It is recommended that the City of Compton review the existing traffic signal timing for both the Central Avenue / Rosecrans Avenue and Parmalee Avenue / Rosecrans Avenue intersection to ensure coordination to improve operations.

  Green Dot Public Schools will distribute materials to parents/caregivers that details the Project's drop-off/pick-up procedures on a bi-annual basis (i.e., at the beginning of each academic semester). Parents/caregivers will be encouraged to exit the Project Site and continue eastbound on the Rosecrans Avenue Local Access Road to Aprilia Avenue and make a left-turn at Aprilia Avenue. Parents/caregivers will then make a left-turn or right-turn movement onto Rosecrans Avenue at the signalized Aprilia Avenue – Private Driveway / Rosecrans Avenue intersection.

- ***Traffic Signal Warrant Analysis*** – Neither the Four Hour Volume Warrant (Warrant 2) nor the Peak Hour Volume Warrant (Warrant 3) are satisfied for the Stanford Avenue / Lennon Street and Cahita Avenue – Private Driveway / Rosecrans Avenue intersections.

- ***Queuing Analysis*** – Using trip generation rates published by ITE and based on the M/M/s queuing model, it is forecast that during the morning student drop-off period, the Project will generate an average queue of 2.89 vehicles and a peak queue of eight vehicles. This peak queue can be accommodated by the Project's drop-off/pick-up area which can accommodate up to 38 queued vehicles onsite (plus additional vehicles in a bypass lane, if needed). The Project will not cause vehicles to queue onto the Rosecrans Avenue Local Access Road.

APPENDIX A

APPROVED TRANSPORTATION IMPACT ANALYSIS SCOPE OF WORK

MEMORANDUM

To:	Los Angeles County Public Works	Date:	March 16, 2022
From:	David S. Shender, P.E. Jason A. Shender, AICP Linscott, Law & Greenspan, Engineers	LLG Ref:	5-20-0529-1
Subject:	**Transportation Impact Analysis Scope of Work – Green Dot Animo Compton**		

LINSCOTT LAW & GREENSPAN
engineers

Engineers & Planners
Traffic
Transportation
Parking

Linscott, Law & Greenspan, Engineers
20931 Burbank Boulevard
Suite C
Woodland Hills, CA 91367
818.835.8648 T
818.835.8649 F
www.llgengineers.com

Pasadena
Irvine
San Diego
Woodland Hills

This memorandum has been prepared by Linscott, Law & Greenspan, Engineers (LLG) to provide a Transportation Impact Analysis (TIA) Scope of Work for the proposed Green Dot Animo Compton project (the "Project") located at 900 E. Rosecrans Avenue in unincorporated Los Angeles County (the "Project Site"). The Project proposes the development and construction of a public charter middle/high school accommodating a maximum enrollment of 600 students. The Project Site location and general vicinity are shown in ***Figure 1–1***.

Briefly, the Project will generate over 110 net new daily vehicle trips. Based on the *Los Angeles County Public Works Transportation Impact Analysis Guidelines*[1] (the "TIA Guidelines"), a Transportation Impact Analysis will be required for the Project. This memorandum provides additional details regarding the proposed Scope of Work for the Transportation Impact Analysis to be prepared for the Project.

The Project Site is located near the City of Compton jurisdictional boundary. The TIA Scope of Work was transmitted to the City of Compton for their review to determine if the City had any additional requirements for the TIA. Interwest Consulting Group submitted a letter on behalf of the City of Compton to LLG dated January 30, 2022, outlining their comments to the TIA Scope of Work. The comment letter is attached to this TIA Scope of Work for reference. LLG forwarded the comment letter to Public Works for their review along with responses to the City's comments. LLG's comments (as amended by Public Works) were sent to the City of Compton. Interwest Consulting Group, on behalf of the City of Compton, confirmed that they accepted the responses and proposed updates to the TIA Scope of Work.[2] The comments (as amended by Public Works) and the City of Compton confirmation are attached to this TIA Scope of Work for reference. This TIA Scope of Work has been updated to include those requirements.

[1] *Los Angeles County Public Works Transportation Impact Analysis Guidelines,* Los Angeles County Public Works, July 2020.
[2] Per email from Nicole Jules of Interwest Consulting Group on behalf of the City of Compton on February 4, 2022.

Existing Conditions

As noted above, the Project Site is located at 900 E. Rosecrans Avenue in unincorporated Los Angeles County (APN 6137-017-001 and 6137-032-033). The existing Project Site is currently improved with a day care center providing 5,646 square feet of floor area, a church providing 12,567 square feet of floor area, and an associated surface parking lot. The A.L.T.A/N.S.P.S. Land Title Survey for the existing site is displayed in ***Figure 2–1***. The Project Site is generally bounded by the Rosecrans Avenue Local Access Road to the north, single-family homes to the south and west, and Cahita Avenue to the east.

It is noted that Green Dot Public Schools currently operates a school located at 13305 San Pedro Street, Los Angeles, CA, 90061. The existing school is located approximately 1.3 miles northwest of the Project Site. The existing school currently has a total enrollment of 218 students and 20 staff members.

Project Description

The Project proposes the development of a charter middle/high school accommodating a maximum enrollment of 600 students. Specifically, the Project proposes to serve 180 students in the 6th through 8th grades and 420 students in the 9th through 12th grades. It is anticipated that the Project will have 45 staff members.

The Project proposes to construct a new two-story classroom building on the eastern portion of the Project Site with a total of 26 standard classrooms and four (4) laboratory classrooms. Additionally, the Project will repurpose the existing preschool building at the northeasterly portion of the Project Site into a multipurpose room, administrative uses, restrooms, a breakroom, and a servery. No changes to the existing church are proposed as part of the Project. The Project site plan is illustrated in ***Figure 2–2***. The vehicular and pedestrian paths of travel site plan are illustrated in ***Figure 2–3***.

As LLG understands, three staff members from the church are present onsite between 10:00 AM and 5:00 PM on a typical weekday. Church staff members will arrive onsite outside of the Project's morning drop-off period and depart after the primary pick-up period. Any weekday events (e.g., worship, choir practice, etc.) start at 5:00 PM or later. Therefore, the weekday operations of the existing church will not conflict with the Project's pick-up and drop-off periods.

Parking for the Project will be provided within the existing surface parking lot. While the Project and the existing church will share a parking lot, parking will be provided per the County Code requirements. The parking lot will be restriped and will provide a total of 62 parking spaces for the Project and 80 parking spaces for the

church. Parking for the Project will be for staff and visitors only, as students will not be permitted to drive themselves to school. ***Figure 2–2*** illustrates the facilities and parking areas for both the Project and existing church to remain. Construction and occupancy of the Project is proposed to be completed by the year 2023.

Project Trip Generation

In conjunction with the TIA Guidelines, a vehicular trip generation forecast has been prepared using trip rates provided in the Institute of Transportation Engineers' (ITE) *Trip Generation Manual*.[3] ITE Land Use Code 522 (Middle School) and ITE Land Use Code 530 (High School) trip generation average rates were used to forecast the traffic volumes expected to be generated by the Project. ITE Land Use Code 560 (Church) trip generation average rates were used to forecast the traffic volumes expected to be generated by the existing church to remain.

In addition to the trip generation forecasts for the Project (which are essentially an estimate of the number of vehicles that could be expected to enter and exit the Project Site access points), an adjustment was made to the trip generation forecast based on the Project Site's existing land uses. The existing land uses include a day care center providing 5,646 square feet of floor area, as well as the existing church to remain, which provides 12,567 square feet of floor area. The trips associated with these existing land uses will be subtracted from the projected Project trips to account for the existing environmental condition. ITE Land Use Code 565 (Day Care Center) and ITE Land Use Code 560 (Church) trip generation average rates were used to estimate the trip reduction related to the existing uses.

Table 2–1 attached to this memorandum provides the trip generation forecast for the Project. As shown in ***Table 2–1***, the Project on a typical weekday is forecast to result in 967 net new daily trips (484 inbound trips and 483 outbound trips), 260 net new AM peak hour trips (169 inbound trips and 91 outbound trips), and 27 net new PM peak hour trips (13 inbound trips and 14 outbound trips).

Project Study Area

LLG proposes the following study intersections for analysis of potential traffic operations deficiencies due to the proposed Project:

1. Avalon Boulevard / Rosecrans Avenue (signalized)
2. Stanford Avenue / Rosecrans Avenue (signalized)
3. Stanford Avenue / Lennon Street (unsignalized)

[3] Institute of Transportation Engineers, *Trip Generation Manual*, 10th Edition, Washington, D.C., 2017.

4. McKinley Avenue / Rosecrans Avenue (signalized)
5. Westerly Project Driveway / Rosecrans Avenue Local Access (unsignalized)
6. Easterly Project Driveway / Rosecrans Avenue Local Access (unsignalized)
7. Cahita Avenue – Private Driveway / Rosecrans Avenue (unsignalized)
8. Cahita Avenue / Rosecrans Avenue Local Access (unsignalized)
9. Aprilia Avenue – Private Driveway / Rosecrans Avenue (signalized)
10. Aprilia Avenue / Rosecrans Avenue Local Access Road (unsignalized)
11. Central Avenue / Rosecrans Avenue (signalized)

The proposed study intersections are shown in ***Figure 1–1***.

Traffic Counts

LLG has traffic count data on file at the Avalon Boulevard / Rosecrans Avenue and Central Avenue / Rosecrans Avenue study intersections (Intersection Nos. 1 and 11) from 2019. An annual ambient traffic growth factor will be applied to the 2019 traffic count data through the year 2021 to estimate current year traffic volumes. Further discussion on the annual ambient growth factor to be applied to the 2019 traffic count data is provided in the section below.

LLG contacted various traffic count vendors to obtain historical traffic count data at the other proposed study intersections. However, no data was available at any of the other proposed study intersections. LLG conducted new traffic counts in November 2021 on a typical weekday (i.e., Tuesday, Wednesday, or Thursday) at Intersection Nos. 2, 3, 4, 7, 8, 9, and during the weekday morning (7:00 AM to 9:00 AM) and afternoon (4:00 PM to 6:00 PM) peak commuter periods. Additionally, a 24-hour average daily traffic (ADT) count was conducted on the Rosecrans Avenue Local Access Road, west of the Project Site in November 2021. The 24-hour ADT count will be used to determine the weekday morning and afternoon peak hours of traffic for the two Project driveway intersections (Intersection Nos. 5 and 6).

Year 2023 Cumulative Traffic

- Cumulative Projects: Cumulative projects from Los Angeles County Department of Regional Planning, as well as nearby jurisdictions (City of Compton) will be included. As stated in the TIA Guidelines, projects within a one-half mile radius of the farthest outlying study intersection will be included.

- Ambient Growth Rate: In order to forecast traffic volumes for the Project build-out year (2023), an annual rate of 1.0 percent (1.0%) per year will be

applied to the existing traffic volumes. The ambient growth factor is based on general traffic growth factors provided in the *2010 Congestion Management Program for Los Angeles County*[4] (the "CMP manual"). Based on review of the general traffic growth factors provided in Exhibit D-1 of the CMP manual (attached to this TIA Scope of Work for reference) for the Project study area (i.e., RSA 21, Vernon), the growth factors for RSA 21 are as follows:

- 2015: 1.073
- 2020: 1.146
- 2025: 1.158

Based on the CMP growth factors for RSA 21, it is anticipated that the existing traffic volumes are expected to increase at an annual rate of approximately 1.33% per year between the years 2015 and 2020 and 0.21% per year between the years 2020 and 2025. The ambient growth rate calculations are as follows:

- 2015 to 2020: $((1.146/1.073)^{(1/5)}-1) * 100 = 1.33\%$
- 2020 to 2025: $((1.158/1.146)^{(1/5)}-1) * 100 = 0.21\%$

- Utilizing the formula listed below, the traffic data collected in 2019 at the Avalon Boulevard / Rosecrans Avenue and Central Avenue / Rosecrans Avenue intersections would be grown out to 2021 volumes for existing conditions, and from 2021 to 2024 for future conditions:

AADT forecasted for a specific succeeding year of interest.

$$AADT_{Future} = AADT_{Current} * (1 + AACR)^n$$

Where:

$AADT_{Future}$ = Annual Average Daily Traffic for the forecasted year (veh/day)

$AADT_{Current}$ = Annual Average Daily Traffic for the current year (veh/day)

AACR = Annual Average Change Rate

n = number of forecasted years

- For example, 100 vehicles counted in 2019 would be converted to 2021 counts as follows:
  - 2019 to 2020: $100 * (1 + 0.0133)^1 = 101$
  - 2020 to 2021: $101 * (1 + 0.0021)^1 = 101$

  Similarly, the 2021 counts would be converted to 2023 counts as follow:
  - 2021 to 2023: $101 * (1 + 0.0021)^2 = 101$

[4] *2010 Congestion Management Program*, Los Angeles County Metropolitan Transportation Authority, 2010.

- Utilizing a 1.0% annual growth factor, 100 vehicles counted in 2019 would be converted to 2021 counts as follows:
    - 2019 to 2021: $100 * (1 + 0.01)^2 = 102$

  Similarly, the 2021 counts would be converted to 2023 counts as follow:
    - 2021 to 2023: $102 * (1 + 0.01)^2 = 104$

- Thus, application of an annual growth factor of 1.0% annual growth results in a more conservative, worst case forecast of future traffic volumes in the area compared to application of the annual traffic growth rates published in the CMP manual. Furthermore, the CMP manual's traffic growth rate is intended to anticipate future traffic generated by development projects in the Project vicinity. Thus, the inclusion in this traffic analysis of a forecast of traffic generated by known related projects plus the use of an ambient growth traffic factor based on CMP traffic model data results in an even more conservative estimate of future traffic volumes at the study intersections.

Project Traffic Distribution Pattern

The Project's trip distribution pattern is illustrated in ***Figure 2–4***. The trip distribution pattern was developed based on the following considerations:

- The site's proximity to major traffic corridors (i.e., Rosecrans Avenue, Avalon Boulevard, Central Avenue, I-105 Freeway, I-110 Freeway, etc.);
- Expected localized traffic flow patterns based on adjacent roadway channelization and presence of traffic signals;
- Existing intersection traffic volumes;
- Ingress/egress availability at the Project Site;
- The location of existing and proposed parking areas; and
- Nearby population and employment centers as well as adjacent residential neighborhoods.

Vehicle Miles Traveled Analysis

The State of California Governor's Office of Planning and Research (OPR) issued proposed updates to the CEQA Guidelines in November 2017 and an accompanying technical advisory guidance in April 2018 (*OPR Technical Advisory*) that amends the Appendix G question for transportation impacts to delete reference to vehicle delay and level of service and instead refer to Section 15064.3, subdivision (b)(1) of the CEQA Guidelines asking if the project will result in a substantial increase in vehicle miles traveled (VMT). Section 15064.3, subdivision (b)(1) states the following:

- Development Projects. Vehicle miles traveled exceeding an applicable threshold of significance may indicate a significant impact. Generally, projects within one-half mile of either an existing major transit stop or a stop along an existing high-quality transit corridor should be presumed to cause a less than significant transportation impact. Projects that decrease vehicle miles traveled in the project area compared to existing conditions should be considered to have a less than significant transportation impact.

The California Natural Resources Agency certified and adopted the CEQA Guidelines in December 2018, which are now in effect. Accordingly, the Los Angeles County Public Works (LACPW) has adopted significance criteria for transportation impacts based on VMT for land use projects and plans in accordance with the amended Appendix G question:

- For a development project, would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)(1)?

LACPW has developed the following screening and impact criteria to address this question. The criteria below are based on the OPR *Technical Advisory* but reflects local considerations.

- Would the land use project generate a net increase of 110 or more daily vehicle trips?

As the Project will generate a net increase of 967 daily vehicle trips, a VMT analysis will be required.

Impact Criteria

Per Section 3.1.3 of the TIA Guidelines, as the Project is a school project, the Project has a potentially significant VMT impact if it meets the following criteria listed below. The impact criteria below are considered as potential options that may be selected as thresholds for determining significance. These impact criteria below are based on guidance published by OPR and the California Air Resources Board (CARB) but their applicability to a specific project shall be justified with substantial evidence and is not presumed to be appropriate.

- Office Projects: Per the TIA Guidelines, school projects should be treated as office for analysis. The Project's daily work VMT per capita would not be 16.8% below the existing daily work VMT per employee for the Baseline Area in which the Project is located.

The Project is located in the South County Baseline Area. Per the County of Los Angeles VMT Tool, the baseline daily work VMT per employee for year 2021 is 16.5, and the Project's daily work VMT per employee must be 16.8% less than the baseline, or 13.8 daily work VMT per employee. It is noted that recent guidance from OPR may change the County's baseline daily work VMT per employee values. The final baseline VMT per employee value will be determined as part of the TIA and not in this TIA Scope of Work.

Methodology

The County's VMT Tool will be used to estimate the Project's daily work VMT per employee. While the County's VMT Tool does not include middle school and high school uses, it does include an office use. To utilize the office use in the County's VMT Tool, an estimate of the number of employees at the Project is needed, which then can be converted to the approximate equivalent amount of office building floor area. A discussion on why general office employment is equivalent to school employment VMT will be included as part of the TIA. Table 1 from the *City of Los Angeles VMT Calculator Documentation – Version 1.3*[5] includes jobs per unit for middle School and high School uses, as well as office uses. The City of Los Angeles VMT Calculator assumes 0.1 jobs per student for both middle school and high school uses, and 4.0 jobs per 1,000 square feet of floor area for office uses. Table 1 from the *City of Los Angeles VMT Calculator Documentation – Version 1.3* is attached to this TIA Scope of Work for reference. A total of 60 employees can be assumed for the Project based on the City of Los Angeles methodology.

As stated in Section 3.4 of the *City of Los Angeles VMT Calculator Documentation – Version 1.3* (attached to this TIA Scope of Work for reference), the employment estimates for office uses within the City of Los Angeles VMT Calculator were derived from a variety of resources, including the 2012 SANDAG Activity Based Model floor area per employee data, ITE trip generation rates per thousand square feet divided by the trip generation rates per employee, the United States Department of Energy, and other resources.
The office equivalent based on building floor area is 15,000 square feet. As the church onsite is an existing use to remain and not a part of the Project, it should not be considered in the VMT analysis per the language of SB 743.

The County's VMT Tool was used to prepare a preliminary VMT analysis for the Project. As shown in the County VMT Tool output attached, the daily work VMT per employee for an office use is 12.2 daily work VMT per employee, which is well below the threshold for the South County Baseline Area of 13.8 daily work VMT per employee. Note that this is a conservative, "worst case" analysis as the Project is

[5] *City of Los Angeles VMT Calculator Documentation – Version 1.3*, Los Angeles Department of Transportation and Los Angeles Department of City Planning, May 2020.

anticipating 45 employees, not 60 employees as estimated per the City of Los Angeles jobs per student factor.

LLG utilized the latest version of the City of Los Angeles VMT Calculator (Version 1.3) to provide an "apples to apples" comparison of the daily work VMT per employee of a 15,000 square foot office building located within the City of Los Angeles' jurisdiction. Per the City of Los Angeles VMT Calculator, a 15,000 square foot office building would generate 147 net new daily vehicle trips. Per the *Los Angeles Department of Transportation (LADOT) Transportation Assessment Guidelines*[6] (TAG), a land use project that will generate 250 or more net new daily vehicle trips is required to perform a VMT analysis. As a 15,000 square-foot office project would not require a VMT analysis, the City of Los Angeles VMT Calculator does not provide a daily work VMT per employee value. The City of Los Angeles VMT Calculator output is attached to this TIA Scope of Work for reference.

As previously mentioned, the Project is intended as a replacement for an existing nearby school and is expected to better-serve the local community. Therefore, a qualitative VMT analysis for student trips, which will include a write-up stating that the proposed school would be located closer to its existing student population, thereby reducing the overall length of travel for parents/caregivers, will be included within the TIA.

Operational Analysis

The Transportation Impact Analysis should include a quantitative evaluation of the project's expected access and circulation operations. Project access is considered constrained if the project's traffic would contribute to unacceptable queuing at nearby signalized intersections. Unacceptable or extended queuing may be defined as follows:

- Spill over from turn pockets into through lanes;
- Spill over into intersections.

An intersection level of service (LOS) and queueing analysis will be prepared based on the latest version of the *Highway Capacity Manual*[7] (HCM) using the *HCS7* software package, which implements the HCM operational methods. An intersection analysis will be prepared for the following study intersections:

[6] *Los Angeles Department of Transportation (LADOT) Transportation Assessment Guidelines,* LADOT, July 2020.
[7] *Highway Capacity Manual 6th Edition,* Transportation Research Board of the National Academies of Sciences-Engineering-Medicine, 2016.

1. Avalon Boulevard / Rosecrans Avenue (signalized)
2. Stanford Avenue / Rosecrans Avenue (signalized)
3. Stanford Avenue / Lennon Street (unsignalized)
4. McKinley Avenue / Rosecrans Avenue (signalized)
5. Westerly Project Driveway / Rosecrans Avenue Local Access (unsignalized)
6. Easterly Project Driveway / Rosecrans Avenue Local Access (unsignalized)
7. Cahita Avenue – Private Driveway / Rosecrans Avenue (unsignalized)
8. Cahita Avenue / Rosecrans Avenue Local Access (unsignalized)
9. Aprilia Avenue – Private Driveway / Rosecrans Avenue (signalized)
10. Aprilia Avenue / Rosecrans Avenue Local Access Road (unsignalized)
11. Central Avenue / Rosecrans Avenue (signalized)

Traffic forecasting will be prepared at the study intersections by conducting an operation analysis for the following conditions:

(a) Existing (2021) conditions.
(b) Existing (2021) conditions plus 1.0% annual ambient traffic growth (i.e., Future Cumulative Baseline)[8]
(c) Future Cumulative Baseline plus completion and occupancy of the related projects plus completion and occupancy of the Project (i.e., Future Cumulative with Project)

Queuing Analysis

As shown in ***Figure 2–2***, drop-off and pick-up operations for the Project will be facilitated within the surface parking lot. While it is envisioned that the Project Site will provide abundant vehicle storage for the student drop-off and pick-up periods, a queuing analysis will be prepared to determine if the proposed onsite drop-off and pick-up lane can sufficiently accommodate the peak queue. The queueing analysis will be provided within the TIA.

Traffic Signal Warrant Analysis

A traffic signal warrant analysis will be prepared for the Stanford Avenue / Lennon Street (Study Int. No. 3) and Cahita Avenue / Rosecrans Avenue (Study Int. No. 7) study intersections to determine if traffic signal installation is warranted following build-out and occupancy of the Project. The traffic signal warrant analysis will be provided within the TIA.

[8] A figure depicting the traffic volumes for condition (b) will be prepared and included in the TIA. However, an operational analysis is not required for condition (b).

Special Events

The existing school does not hold special events, and this will continue upon build-out and occupancy of the Project. Events such as parent-teacher conferences will be held onsite but will be scheduled throughout the day as to not have a negative effect on student drop-off/pick-up operations, onsite parking, and traffic on the surrounding roadways during the weekday AM and PM peak hours.

Conclusions

This memorandum has been prepared to provide a Transportation Impact Analysis Scope of Work for the proposed Green Dot Animo Compton project. The conclusions of the Transportation Impact Analysis Scope of Work are as follows:

- The Project proposes the development and construction of a new charter middle/high school accommodating a maximum enrollment of 600 students. Specifically, the Project proposes to serve 180 students in the 6th through 8th grades and 420 students in the 9th through 12th grades. It is anticipated that the Project will have 45 staff members. Construction and occupancy of the Project is proposed to be completed by the year 2023.

- The Project on a typical weekday is forecast to result in 967 net new daily trips, 260 net new AM peak hour trips, and 27 net new PM peak hour trips.

- A VMT analysis for both employee trips and student trips will be prepared in the Project. As the County's VMT Tool does not include middle school and high school uses, an office equivalent has been proposed to estimate the daily work VMT per employee generated by the Project. A qualitative VMT analysis will be prepared for student trips.
- An intersection LOS and queuing analysis will be prepared for the nine study intersections.

- A queuing analysis will be prepared within the TIA to determine if the proposed onsite drop-off and pick-up area can sufficiently accommodate the peak queue.

- A traffic signal warrant analysis will be prepared for the Stanford Avenue / Lennon Street and Cahita Avenue / Rosecrans Avenue study intersections to determine if traffic signal installation is warranted following build-out and occupancy of the Project.

- The Project will not hold events onsite that will have a negative effect on student drop-off/pick-up operations, onsite parking, and traffic on the surrounding roadways during the weekday AM and PM peak hours.

cc: File

Jason Shender

From: Nicole Jules <njules@interwestgrp.com>
Sent: Friday, February 4, 2022 11:17 AM
To: Jason Shender
Cc: Ruth Smith; John Strickland; Fred Saidi; Ernesto Munoz; Elizabeth Ibrahim
Subject: RE: Transportation Impact Analysis - Green Dot Animo Compton Public Charter Middle/High School (900 E. Rosecrans Avenue, Los Angeles County)

Greetings Jason,
We appreciate you looking into and responding to our comments.
We take no exception to your responses below.

Nicole Jules
Consulting Engineer for the City of Compton
310-938-3244
njules@interwestgrp.com

From: Jason Shender <jshender@llgengineers.com>
Sent: Friday, February 4, 2022 10:55 AM
To: Nicole Jules <njules@interwestgrp.com>
Cc: Ruth Smith <rsmith@interwestgrp.com>; John Strickland <jstrickland@comptoncity.org>; Fred Saidi <fsaidi@comptoncity.org>; Ernesto Munoz <emunoz@interwestgrp.com>; Elizabeth Ibrahim <eibrahim@dpw.lacounty.gov>
Subject: RE: Transportation Impact Analysis - Green Dot Animo Compton Public Charter Middle/High School (900 E. Rosecrans Avenue, Los Angeles County)

Nicole,

Thank you for your feedback on the Scope of Work. We sent comment letter and the marked up PDF of the Scope of Work to Elizabeth Ibrahim (copied here) from LA County Public Works, along with responses to each of the comments. Please find our responses (as amended by Public Works) below. Let us know if you have any questions. Thank you.

Hi Jason,

Please see below our responses to your comments in red. Furthermore, please provide our comments to the City of Compton via Interwest Consulting Group and include us in that communication or provide us a copy of your communication with the City for our record.

Page 4

- Comment #1: The County's TIA Guidelines requires analysis of PM traffic based on counts conducted between 4:00 and 6:00 PM as this coincides with the highest level of traffic at the study intersections. Further, it is noted that LLG conducted 24-hour ADT counts on the Rosecrans Avenue Local Access Road. The ADT counts show higher volumes of traffic between 5:00 and 6:00 PM as compared to between 2:00 and 3:00 PM and 3:00 and 4:00 PM. The 24-hour ADT counts are attached for your reference, and will be attached as an appendix to the TIA. Therefore, we believe that conducting the counts between 4:00 and 6:00 PM is appropriate. Public Works concurs.
- Comment #2: The Avalon Boulevard / Rosecrans Avenue intersection is a County intersection, while the Central Avenue / Rosecrans Avenue intersection is a City of Compton intersection. LLG has counts on file at the Avalon

Boulevard / Rosecrans Avenue and Central Avenue / Rosecrans Avenue from 2019. LLG can include both of these intersections within the analysis in response to the request from the City of Compton. Public Works concurs.

Page 5

- Comment #1: Clymar Avenue is located within the unincorporated County area. Public Works did not stated a concern with school-related traffic utilizing Clymar Avenue. The project trip distribution pattern was carefully reviewed by Public Works staff in direct coordination with LLG. Public Works concurs.
- Comment #2: Public Works has agreed to the trip generation forecast. The trip generation forecast is conservative in that no adjustment or discount has been included in the vehicle trip generation forecast to account for student travel that may otherwise be made by walking and/or bicycles. Furthermore, the County's TIA Guidelines do not allow for walking/biking reductions to the trip generation forecast. Public Works concurs.
- Comments #3 and 4: As previously stated, assumptions regarding assignment of project traffic have been reviewed by Public Works. Furthermore, the area south of Rosecrans Avenue is located within the unincorporated County area. A SRTS plan is typically developed prior to occupancy of the school. Safe route to school plans are typically for public schools because they exclusively serve the neighborhood area. Charter schools serve any communities in the La County.

Page 8

- Comments #1 and 2: The County's TIA Guidelines provide the appropriate analysis procedures, which are outlined in the approved Scope of Work. The TIA Guidelines do not include impact criteria for the LOS analysis. Public Works concurs.
- Comment #3: ~~The right-turn/u-turn movement referenced in the Interwest Comment Letter is an existing condition. In addition, Project-related vehicles will likely be all cars/light trucks and therefore will have no issue with the right-turn/u-turn traffic movement.~~ Public Works will evaluate the intersection as part of the TIA, per County guidelines.
- Comment #4: As stated in the approved Scope of Work, students are not allowed to drive themselves to school. Public Works concurs.

Project Trip Distribution

- Comment #1: As stated above, LLG can include these intersections as part of the analysis. Public Works concurs.

Neighborhood Preservation

- Comment #1: As previously stated, the project trip assignment was reviewed thoroughly and approved by Public Works. Note that only 30% of project inbound traffic – and no outbound traffic – assumed to use "neighborhood" streets such as Clymar Avenue. Public Works concurs.

Additionally, there were comments included directly in the PDF that were not included within the comment letter. Our responses to those comments are provided below.

Page 2

- Comment #1: Students will not be allowed to drive themselves to school. The school will provide parents with guidance and requirements for drop off and pick up procedures. Therefore, neighborhood preservation will not be impacted.

Page 3

Comment #1: In coordination with Public Works, it was requested that trips generated by the existing church to remain be included within the trip generation forecast. Per page 2 Project Description 3rd paragraph; "As LLG

understands, three staff members from the church are present onsite between 10:00 AM and 5:00 PM on a typical weekday. Church staff members will arrive onsite outside of the Project's morning drop-off period and depart after the primary pick-up period. Any weekday events (e.g., worship, choir practice, etc.) start at 5:00 PM or later. Therefore, the weekday operations of the existing church will not conflict with the Project's pick-up and drop-off periods."

Page 9

- Comment #1: Traffic signal warrants for the Cahita Avenue – Private Driveway / Rosecrans Avenue and Stanford Avenue / Lennon Street were included within the Scope of Work based on direction from Public Works. Public Works concurs.

Pages 14 and 16

- The project trip distribution pattern was carefully reviewed by Public Works staff in direct coordination with LLG. Note that only 30% of project inbound traffic – and no outbound traffic – assumed to use "neighborhood" streets such as Clymar Avenue. Public Works concurs.

Let me know if you have any questions.

Thank you.

Elizabeth Ibrahim
Principal Civil Engineering Assistant
Los Angeles County Public Works
Office: (626) 300-4793

Jason Shender, AICP
Transportation Planner III
jshender@llgengineers.com

Linscott, Law & Greenspan, Engineers
20931 Burbank Blvd, Suite C
Woodland Hills, CA 91367
818.835.8648 x225
www.llgengineers.com

From: Nicole Jules <njules@interwestgrp.com>
Sent: Monday, January 31, 2022 1:52 PM
To: Jason Shender <jshender@llgengineers.com>
Cc: Ruth Smith <rsmith@interwestgrp.com>; John Strickland <jstrickland@comptoncity.org>; Fred Saidi <fsaidi@comptoncity.org>; Ernesto Munoz <emunoz@interwestgrp.com>
Subject: RE: Transportation Impact Analysis - Green Dot Animo Compton Public Charter Middle/High School (900 E. Rosecrans Avenue, Los Angeles County)

Greetings Jason,
Please find comments on behalf of the City of Compton for the Subject project.
Let us know if you have questions or need clarification.
Thank you,
Nicole

From: Jason Shender <jshender@llgengineers.com>
Sent: Wednesday, January 26, 2022 1:34 PM
To: ContactPublicWorks <contactpw@comptoncity.org>
Subject: RE: Transportation Impact Analysis - Green Dot Animo Compton Public Charter Middle/High School (900 E. Rosecrans Avenue, Los Angeles County)

Hello,

I am following up on my email below from last week. Please let me know of any questions or concerns.

Regards,

Jason Shender, AICP
Transportation Planner III
jshender@llgengineers.com

Linscott, Law & Greenspan, Engineers
20931 Burbank Blvd, Suite C
Woodland Hills, CA 91367
818.835.8648 x225
www.llgengineers.com

From: Jason Shender
Sent: Wednesday, January 19, 2022 2:23 PM
To: contactpw@comptoncity.org
Subject: Transportation Impact Analysis - Green Dot Animo Compton Public Charter Middle/High School (900 E. Rosecrans Avenue, Los Angeles County)

To Whom It May Concern:

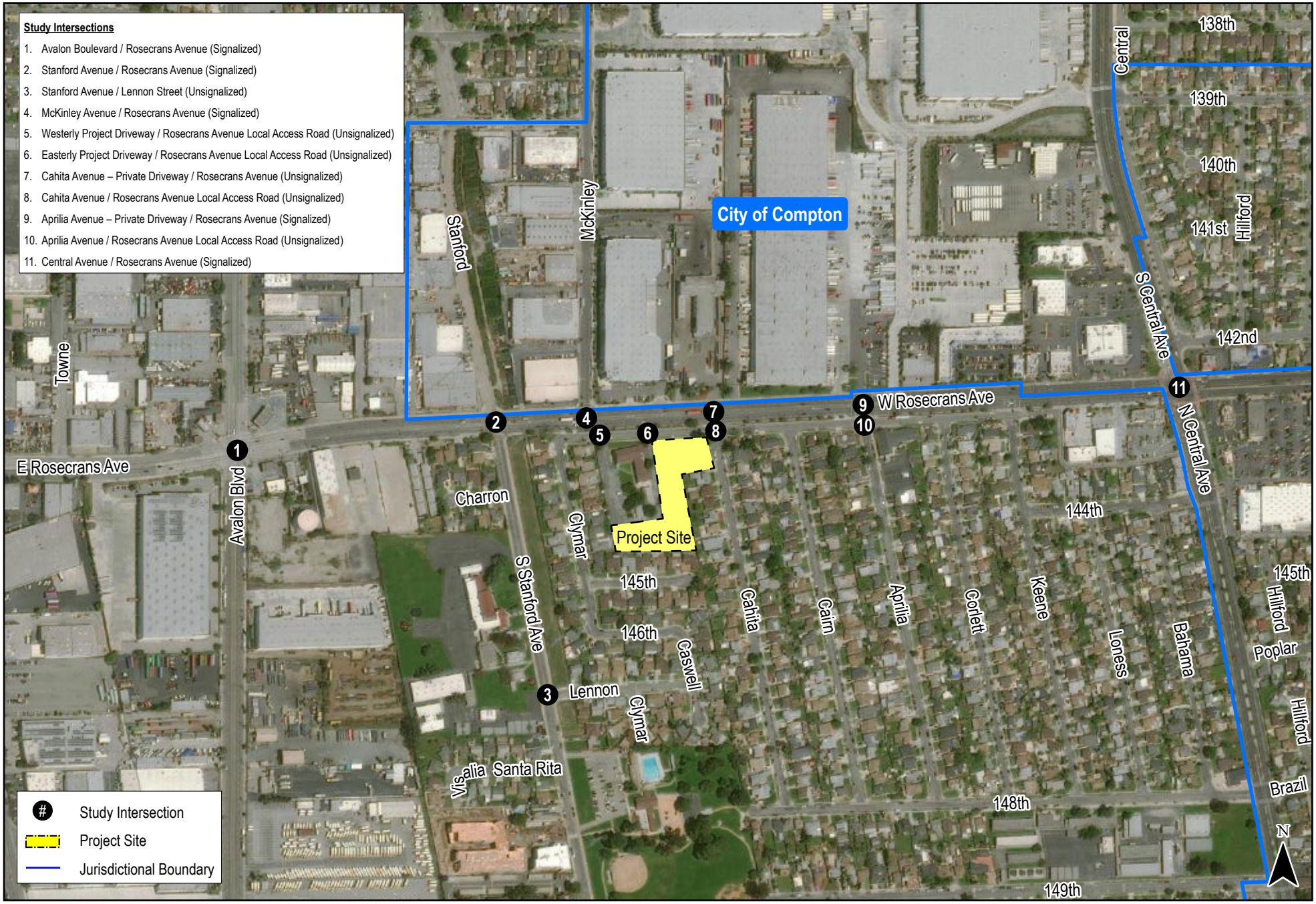
Linscott, Law & Greenspan (LLG) is currently preparing a Transportation Impact Analysis (TIA) for a public charter middle/high school project located at 900 E. Rosecrans Avenue in unincorporated Los Angeles County. The project proposes the development and construction of a new public charter middle/high school accommodating a maximum enrollment of 600 students. LLG has worked with the County's Public Works staff on the Scope of Work for the TIA, which the County approved in December 2021. The approved Scope of Work is attached for reference.

As the project is located within close proximity to the jurisdictional boundary with the City of Compton, the County has requested that we coordinate with the City to determine if the City has any additional requirements. Please let us know if you have any questions or comments, or would like to discuss further.

Regards,

Jason Shender, AICP
Transportation Planner III
jshender@llgengineers.com

Linscott, Law & Greenspan, Engineers
20931 Burbank Blvd, Suite C
Woodland Hills, CA 91367
818.835.8648 x225
www.llgengineers.com



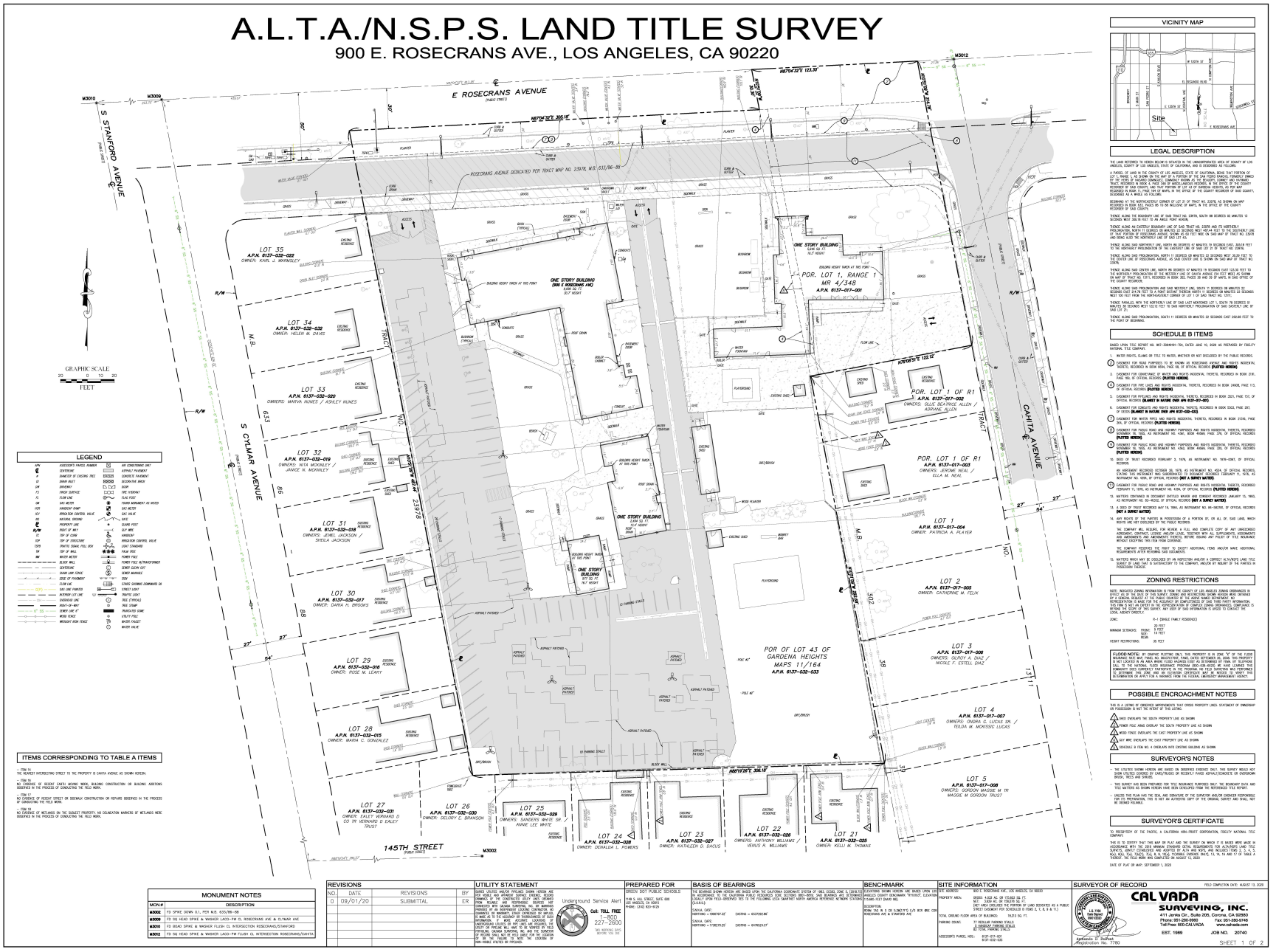
LINSCOTT LAW & GREENSPAN engineers

O:\0529\gis
Date: 2/9/2022
Time: 2:15 PM

Maxar

Figure 1-1
Vicinity Map and Study Intersections

Green Dot Animo Compton



Linscott Law & Greenspan engineers

O:\0529\gis
Date: 9/23/2021
Time: 1:10 PM

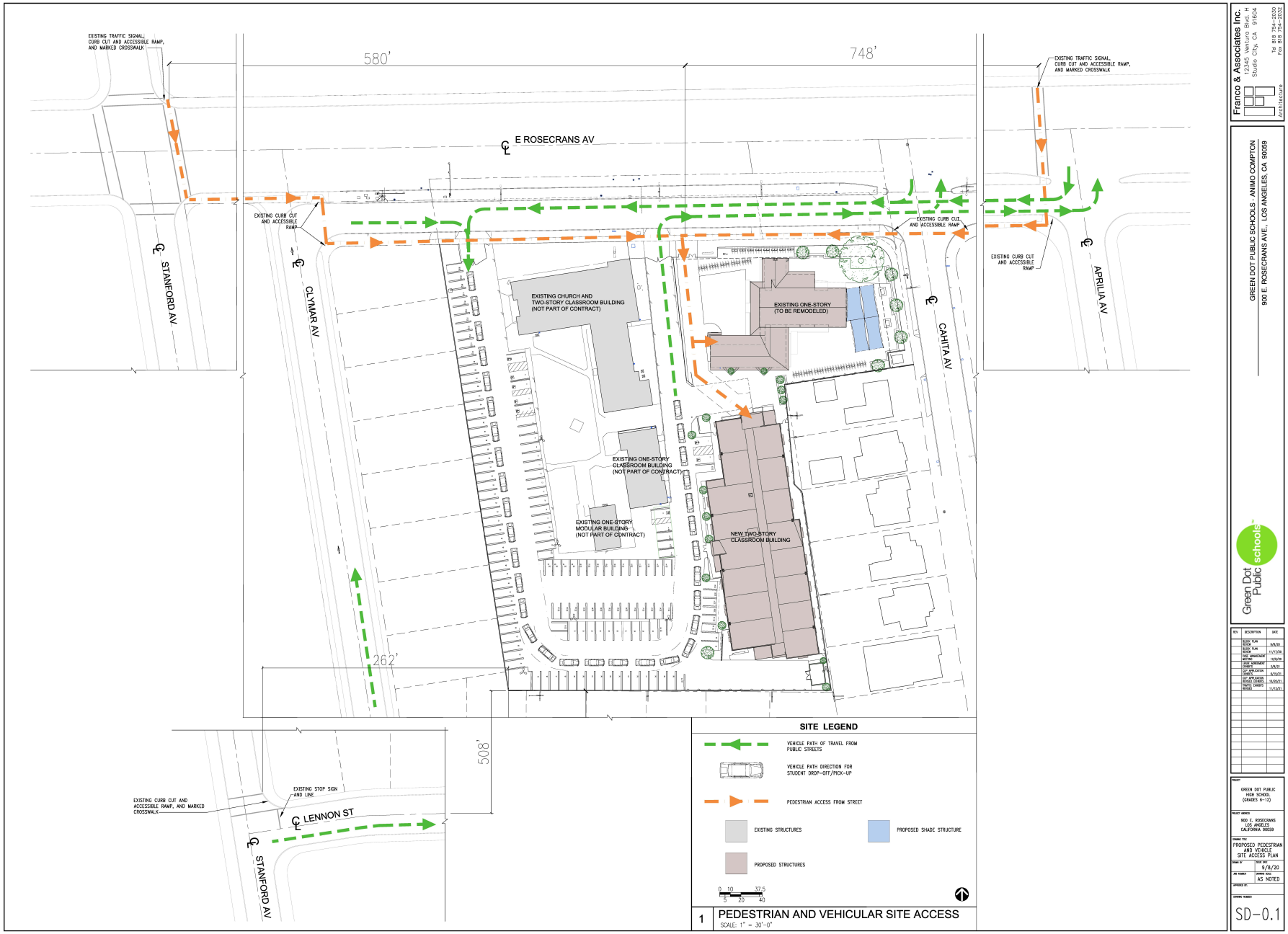
Figure 2-1
A.L.T.A./N.S.P.S. Land Title Survey

Green Dot Animo Compton

LINSCOTT LAW & GREENSPAN engineers

O:\0529\gis
Date: 11/17/2021
Time: 2:46 PM

Figure 2-2
Project Site Plan



LINSCOTT LAW & GREENSPAN engineers

O:\0529\gis
Date: 11/17/2021
Time: 2:55 PM

Figure 2-3
Project Path of Travel Plan

Table 2-1
PROJECT TRIP GENERATION [1]

LAND USE	SIZE	DAILY TRIP ENDS VOLUMES [2]			AM PEAK HOUR VOLUMES [2], [3]			PM PEAK HOUR VOLUMES [2], [3]		
		IN	OUT	TOTAL	IN	OUT	TOTAL	IN	OUT	TOTAL
Proposed Project										
Charter Middle School [4]	180 Students	192	191	383	56	48	104	15	16	31
Charter High School [5]	420 Students	427	426	853	146	72	218	28	31	59
Existing Church to Remain [6], [7]	12,567 GSF	44	43	87	2	2	4	3	3	6
Subtotal Project Driveway Trips		**663**	**660**	**1,323**	**204**	**122**	**326**	**46**	**50**	**96**
Existing Site										
Day Care Center [7], [8]	(5,646) GSF	(135)	(134)	(269)	(33)	(29)	(62)	(30)	(33)	(63)
Existing Church to Remain [6], [7]	(12,567) GSF	(44)	(43)	(87)	(2)	(2)	(4)	(3)	(3)	(6)
Subtotal Existing Driveway Trips		**(179)**	**(177)**	**(356)**	**(35)**	**(31)**	**(66)**	**(33)**	**(36)**	**(69)**
NET INCREASE DRIVEWAY TRIPS		**484**	**483**	**967**	**169**	**91**	**260**	**13**	**14**	**27**

[1] Source: *ITE Trip Generation Manual* , 10th Edition, 2017.
[2] Trips are one-way traffic movements, entering or leaving.
[3] Peak Hour of Adjacent Street Traffic, One Hour Between 7:00 AM and 9:00 AM (AM Peak Hour) and 4:00 PM and 6:00 PM (PM Peak Hour).
[4] ITE Land Use Code 522 (Middle School) trip generation average rates per number of students.
- Daily Trip Rate: 2.13 trips/student; 50% inbound and 50% outbound
- AM Peak Hour Trip Rate: 0.58 trips/student; 54% inbound/46% outbound
- PM Peak Hour Trip Rate: 0.17 trips/student; 49% inbound/51% outbound

[5] ITE Land Use Code 530 (High School) trip generation average rates per number of students.
- Daily Trip Rate: 2.03 trips/student; 50% inbound and 50% outbound
- AM Peak Hour Trip Rate: 0.52 trips/student; 67% inbound/33% outbound
- PM Peak Hour Trip Rate: 0.14 trips/student; 48% inbound/52% outbound

[6] ITE Land Use Code 560 (Church) trip generation average rates.
- Daily Trip Rate: 6.95 trips/1,000 SF of floor area; 50% inbound/50% outbound
- AM Peak Hour Trip Rate: 0.33 trips/1,000 SF of floor area; 60% inbound/40% outbound
- PM Peak Hour Trip Rate: 0.49 trips/1,000 SF of floor area; 45% inbound/55% outbound

[7] Floor areas from A.L.T.A./N.S.P.S. Land Title Survey.
[8] ITE Land Use Code 565 (Day Care Center) trip generation average rates per number of students.
- Daily Trip Rate: 47.62 trips/1,000 SF of floor area; 50% inbound/50% outbound
- AM Peak Hour Trip Rate: 11.00 trips/1,000 SF of floor area; 53% inbound/47% outbound
- PM Peak Hour Trip Rate: 11.12 trips/1,000 SF of floor area; 47% inbound/53% outbound

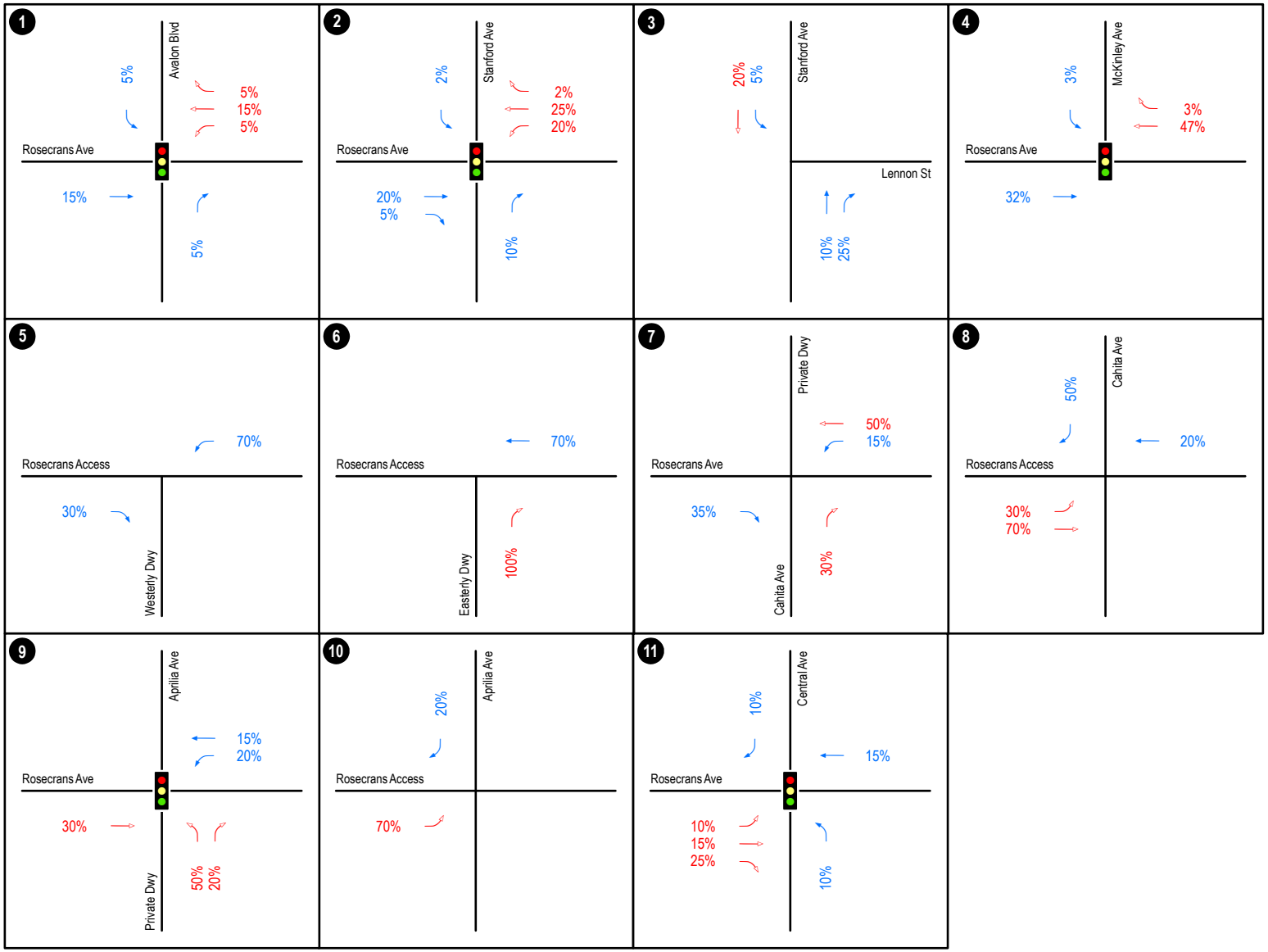
LINSCOTT LAW & GREENSPAN engineers

O:\0529\gis
Date: 2/15/2022
Time: 11:02 AM

Maxar

Figure 2-4
Project Trip Distribution
(Page 1 of 2)

Green Dot Animo Compton



LINSCOTT LAW & GREENSPAN engineers

O:\0529\gis
Date: 2/15/2022
Time: 10:59 AM

Figure 2-4
Project Trip Distribution
(Page 2 of 2)

Green Dot Animo Compton

COUNTY OF LOS ANGELES VMT TOOL

version 1.0

Project Information

Project Name	Analysis Year
Green Dot Animo Compton	2021

Parcel Number (TAZ# 21521100)

6137032033, 6137017011

Project Land Use Information

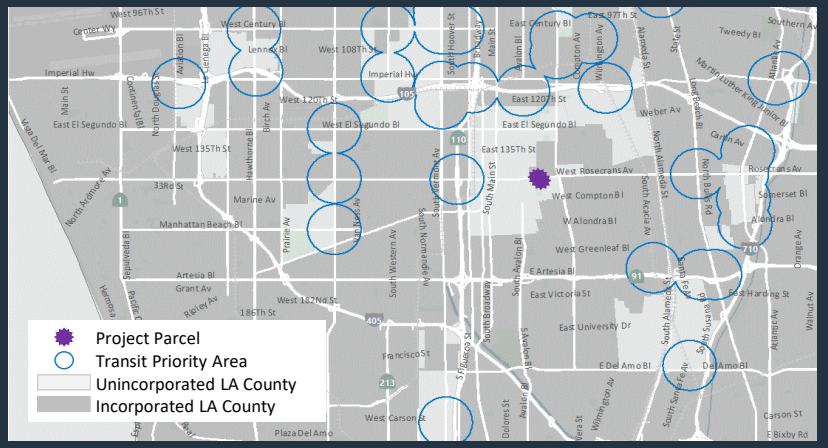
	Values	Unit
Residential - Single-Family Housing		DU
Residential - Multifamily Housing		DU
Residential - Affordable Housing		DU
Office - General Office	15.000	KSF
Office - Medical Office		KSF
Retail - Shopping Center, Restaurant, Services		KSF
Industrial - Warehousing		KSF
Industrial - Light Industrial		KSF
Custom Land Use (ignores all other land use entries)		Daily Trips

Project Daily Trips: 146

Screening Criteria for County of Los Angeles

	Value
Is the project screened in a Transit Priority Area?	No
Is the project's residential land uses 100% affordable housing?	N/A
Is the project's local service retail land uses under 50,000 square foot?	N/A
Does the project generate fewer than 110 daily trips? (enter project land use in the section above)	No

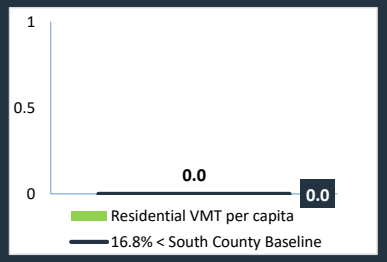
Project Location and VMT Information



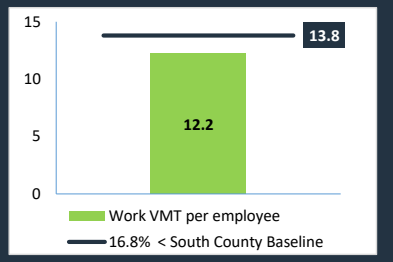
Project Summary Information

South County Residential VMT Baseline (12.1)	16.8%	% Threshold for Screening
South County Work VMT Baseline (16.5)	16.8%	% Threshold for Screening

Residential VMT per capita



Work VMT per employee



The project is not presumed to have a less than significant impact on VMT, therefore a CEQA VMT analysis may be required. Please refer to the Transportation Impact Analysis Guidelines on how to proceed forward.

FEHR & PEERS

Exhibit D-1

GENERAL TRAFFIC VOLUME GROWTH FACTORS

RSA	Representative City/Place	2010	2015	2020	2025	2030	2035
7	Agoura Hills	1.000	1.020	1.041	1.052	1.063	1.075
8	Santa Clarita	1.000	1.145	1.291	1.348	1.405	1.461
9	Lancaster	1.000	1.214	1.427	1.676	1.924	2.172
10	Palmdale	1.000	1.134	1.267	1.363	1.458	1.553
11	Angeles Forest	1.000	1.151	1.301	1.394	1.487	1.580
12	West S.F. Valley	1.000	1.027	1.054	1.068	1.083	1.097
13	Burbank	1.000	1.024	1.049	1.063	1.077	1.092
14	Sylmar	1.000	1.024	1.049	1.071	1.093	1.114
15	Malibu	1.000	1.027	1.054	1.075	1.096	1.117
16	Santa Monica	1.000	1.014	1.028	1.038	1.049	1.059
17	West/Central L.A.	1.000	1.007	1.014	1.024	1.034	1.044
18	South Bay/LAX	1.000	1.013	1.026	1.035	1.044	1.053
19	Palos Verdes	1.000	1.025	1.051	1.061	1.071	1.081
20	Long Beach	1.000	1.076	1.152	1.160	1.168	1.177
21	Vernon	1.000	1.073	1.146	1.158	1.170	1.182
22	Downey	1.000	1.052	1.104	1.116	1.127	1.139
23	Downtown L.A.	1.000	1.009	1.018	1.030	1.042	1.054
24	Glendale	1.000	1.014	1.027	1.041	1.055	1.068
25	Pasadena	1.000	1.041	1.082	1.098	1.115	1.131
26	West Covina	1.000	1.023	1.046	1.066	1.086	1.106
27	Pomona	1.000	1.081	1.161	1.190	1.219	1.248

affordable housing sites in the Los Angeles area. More information on the Affordable Housing rates can be found in **Appendix B**.

- Multi-Family Dwelling: Use 2002 Multi Family Trip Rates from the San Diego Association of Governments (SANDAG) of six trips per unit[2]. This Southern California based rate more closely matches rates that were observed in Los Angeles.

Table 1: Land Use and Trip Generation Base Assumptions

Land Use	Unit	ITE Code	Daily Vehicle Trip Rate [A]	Population/ Jobs Per Unit [B]
Single Family Residential	DU	210	9.52	3.15
Multi-Family Residential	DU	NA [C]	6.00	2.25
Townhouse	DU	230	5.81	2.25
Affordable Housing - Family	DU	NA [D]	4.16	3.14
Affordable Housing - Senior	DU	NA [D]	1.72	1.21
Affordable Housing - Special Needs	DU	NA [D]	1.49	1.85
Affordable Housing - Permanent Supportive	DU	NA [D]	1.23	1.12
General Retail	KSF	820	42.70	2.0
Furniture Store	KSF	890	5.06	0.75
Pharmacy/Drugstore	KSF	880	90.06	2.0
Supermarket	KSF	850	102.24	4.0
Bank	KSF	912	148.15	5.0
Health Club	KSF	492	32.93	1.0
High-Turnover Sit-Down Restaurant	KSF	932	127.15 [E]	4.0
Fast-Food Restaurant	KSF	932	127.15 [E]	6.7
Quality Restaurant	KSF	931	89.95	4.0
Auto Repair	KSF	942	26.80	1.0

[2] San Diego Association of Governments, *(Not So) Brief Guide of Vehicular Traffic Generation Rates for the San Diego Region*, April 2002.

Home Improvement Superstore	KSF	862	30.74	2.2
Free-Standing Discount Store	KSF	813	50.75	2.0
General Office	KSF	710	Log Equation [F]	4.0
Medical Office	KSF	720	36.13	3.0
Light Industrial	KSF	110	6.97	1.0
Manufacturing	KSF	140	3.82	0.5
Warehousing/Self-Storage	KSF	151	2.50	0.33
Hotel (including restaurant, facilities, etc.)	Rooms	310	8.17	0.5
Motel	Rooms	320	5.63	0.5
Movie Theater (Theater with Matinee)	Seats	444	0.70	0.02
University	Students	550	1.71	0.25
High School	Students	530	1.71	0.1
Middle School	Students	522	1.62	0.1
Elementary School	Students	520	1.29	0.1
Private School (K-12)	Students	534	2.48	0.15

A: Source: Institute of Transportation Engineers, *Trip Generation, 9th Edition*, 2012, except where otherwise noted.
B: See Section 3.4.
C: Multi-Family uses SANDAG 2002 Multi Family Trip Rates of 6 trips per unit.
D: These rates were determined from vehicle trip counts conducted at 42 affordable housing sites in the City of Los Angeles. Because these local data reflect conditions in Los Angeles more closely than ITE trip rates, the VMT Calculator applies an MXD multiplier to the base rate to improve the MXD model fit for affordable housing uses.
E: Uses the daily ITE 932 rate of 127.15 trips per thousand square feet for Suburban and Suburban Center TBZs. Urban and Compact Infill TBZs are reduced by one standard deviation (41.77 daily trips).
F: General Office uses the ITE 710 Log Equation when office space is of sufficient size (above 206 KSF). When the office space is at or below this size, and the log equation exceeds 11.03 trips per KSF, General Office uses the ITE average rate of 11.03 trips per KSF.

3.2 MXD Reductions

3.2.1 MXD Methodology

The ITE trip generation methodology is primarily based on data collected at suburban, single-use, freestanding sites. These defining characteristics limit ITE's applicability to mixed-use or multi-use development projects, and may not accurately estimate the project vehicle trip generation. In response to the limitations in the ITE methodology, and to provide a straightforward and empirically validated method of estimating vehicle trip generation at mixed-use developments,

3.3 Vehicle Miles Traveled

The VMT Calculator uses trip length information from the TDF Model to calculate vehicle miles traveled. The Calculator divides the trip generation estimates into trip purposes (HBW, home-based other [HBO], and non-home-based [NHB] productions and attractions) using the trip purpose type splits in **Appendix E**. Trip lengths are obtained from the model by trip purpose for both trip productions and attractions for the TAZ in which a project is located. Trip lengths are also obtained and averaged for TAZs within ⅛ mile of the project address. These trip length values are multiplied by the vehicle trip generation by trip purpose and summed to determine total VMT, household VMT, and work VMT for a project.

3.4 Site Specific Population and Employment Assumptions

The City of Los Angeles VMT thresholds were developed based on household VMT per capita and work VMT per employee. Therefore, population and employment estimates are required to convert vehicle trips and VMT to a per capita/employee value. **Table 1** summarizes the population and employment factors utilized in the VMT Calculator to estimate a project's population and employment by land use type.

The population factors for single family households and multi-family households were derived from Census data for the City of Los Angeles[7]. The population factors for affordable housing uses were derived from data regarding the affordable housing sites observed within the City of Los Angeles as part of developing empirical trip generation rates and data from the City. The employment factors were derived from a variety of resources. These include Los Angeles Unified School District floor area per employee data[8], 2012 SANDAG Activity Based Model floor area per employee data, ITE trip generation rates per thousand square feet divided by the trip generation rates per employee, the US Department of Energy, and other modeling resources. A variety of sources were used because the land use categories in the VMT Calculator are generalized. Therefore, the employment rate for a specific land use in the Calculator may refer to an approximation of multiple similar land uses.

[7] United States Census Bureau, ACS 2015, 5-year estimates.
[8] Los Angeles Unified School District, *2012 Developer Fee Justification Study*, February 2012.

CITY OF LOS ANGELES VMT CALCULATOR Version 1.3

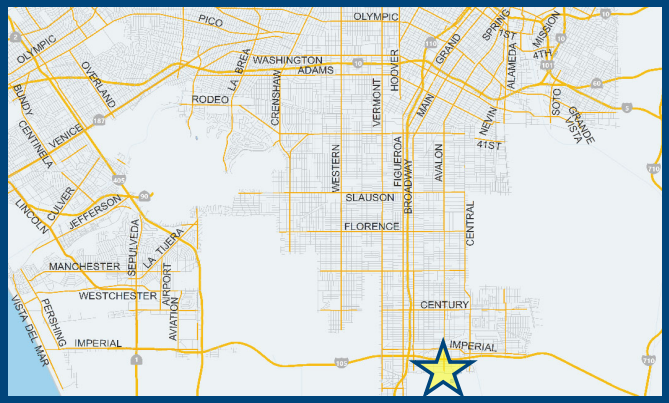
Project Screening Criteria: Is this project required to conduct a vehicle miles traveled analysis?

Project Information

Project: Green Dot Animo Compton

Scenario: Office Example

Address: 11920 S AVALON BLVD, 90061



Is the project replacing an existing number of residential units with a smaller number of residential units AND is located within one-half mile of a fixed-rail or fixed-guideway transit station?

○ Yes ○ No

Existing Land Use

Land Use Type	Value	Unit
Housing | Single Family		DU

☐ Click here to add a single custom land use type (will be included in the above list)

Proposed Project Land Use

Land Use Type	Value	Unit
Office | General Office	15	ksf
Office | General Office	15	ksf

☐ Click here to add a single custom land use type (will be included in the above list)

Project Screening Summary

Existing Land Use	Proposed Project
0 Daily Vehicle Trips	147 Daily Vehicle Trips
0 Daily VMT	1,312 Daily VMT

Tier 1 Screening Criteria

Project will have less residential units compared to existing residential units & is within one-half mile of a fixed-rail station. ☐

Tier 2 Screening Criteria

The net increase in daily trips < 250 trips	147 Net Daily Trips
The net increase in daily VMT ≤ 0	1,312 Net Daily VMT
The proposed project consists of only retail land uses ≤ 50,000 square feet total.	0.000 ksf

The proposed project is not required to perform VMT analysis.

Measuring the Miles

11/17/2021

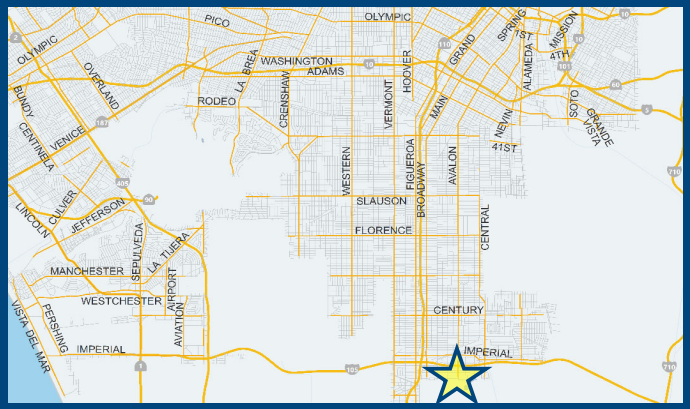
CITY OF LOS ANGELES VMT CALCULATOR Version 1.3

Project Information

Project: Green Dot Animo Compton

Scenario: Office Example

Address: 11920 S AVALON BLVD, 90061



Proposed Project Land Use Type	Value	Unit
Office | General Office	15	ksf

TDM Strategies

Select each section to show individual strategies

Use ☑ to denote if the TDM strategy is part of the proposed project or is a mitigation strategy

	Proposed Project	With Mitigation
Max Home Based TDM Achieved?	**No**	**No**
Max Work Based TDM Achieved?	**No**	**No**

A Parking

Reduce Parking Supply ☐ Proposed Prj ☐ Mitigation
- 100 city code parking provision for the project site
- 74 actual parking provision for the project site

Unbundle Parking ☐ Proposed Prj ☐ Mitigation
- 175 monthly parking cost (dollar) for the project site

Parking Cash-Out ☐ Proposed Prj ☐ Mitigation
- 50 percent of employees eligible

Price Workplace Parking ☐ Proposed Prj ☐ Mitigation
- 6.00 daily parking charge (dollar)
- 50 percent of employees subject to priced parking

Residential Area Parking Permits ☐ Proposed Prj ☐ Mitigation
- 200 cost (dollar) of annual permit

B Transit

C Education & Encouragement

D Commute Trip Reductions

E Shared Mobility

F Bicycle Infrastructure

G Neighborhood Enhancement

Analysis Results

Proposed Project	With Mitigation
147 Daily Vehicle Trips	**147** Daily Vehicle Trips
1,312 Daily VMT	**1,312** Daily VMT
N/A Household VMT per Capita	**N/A** Household VMT per Capita
N/A Work VMT per Employee	**N/A** Work VMT per Employee

Significant VMT Impact?

Proposed Project	With Mitigation
Household: N/A Threshold = 6.0 15% Below APC	**Household: N/A** Threshold = 6.0 15% Below APC
Work: N/A Threshold = 11.6 15% Below APC	**Work: N/A** Threshold = 11.6 15% Below APC

Measuring the Miles

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: November 17, 2021
Project Name: Green Dot Animo Compton
Project Scenario: Office Example
Project Address: 11920 S AVALON BLVD, 90061

Version 1.3

Project Information			
Land Use Type		**Value**	**Units**
Housing	*Single Family*	*0*	*DU*
	Multi Family	*0*	*DU*
	Townhouse	*0*	*DU*
	Hotel	*0*	*Rooms*
	Motel	*0*	*Rooms*
Affordable Housing	*Family*	*0*	*DU*
	Senior	*0*	*DU*
	Special Needs	*0*	*DU*
	Permanent Supportive	*0*	*DU*
Retail	*General Retail*	*0.000*	*ksf*
	Furniture Store	*0.000*	*ksf*
	Pharmacy/Drugstore	*0.000*	*ksf*
	Supermarket	*0.000*	*ksf*
	Bank	*0.000*	*ksf*
	Health Club	*0.000*	*ksf*
	High-Turnover Sit-Down Restaurant	*0.000*	*ksf*
	Fast-Food Restaurant	*0.000*	*ksf*
	Quality Restaurant	*0.000*	*ksf*
	Auto Repair	*0.000*	*ksf*
	Home Improvement	*0.000*	*ksf*
	Free-Standing Discount	*0.000*	*ksf*
	Movie Theater	*0*	*Seats*
Office	General Office	15.000	ksf
	Medical Office	*0.000*	*ksf*
Industrial	*Light Industrial*	*0.000*	*ksf*
	Manufacturing	*0.000*	*ksf*
	Warehousing/Self-Storage	*0.000*	*ksf*
School	*University*	*0*	*Students*
	High School	*0*	*Students*
	Middle School	*0*	*Students*
	Elementary	*0*	*Students*
	Private School (K-12)	*0*	*Students*
Other		*0*	*Trips*

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: November 17, 2021
Project Name: Green Dot Animo Compton
Project Scenario: Office Example
Project Address: 11920 S AVALON BLVD, 90061

Version 1.3

Analysis Results			
Total Employees: N/A Total Population: N/A			
Proposed Project		***With Mitigation***	
147	**Daily Vehicle Trips**	**N/A**	**Daily Vehicle Trips**
N/A	**Daily VMT**	**N/A**	**Daily VMT**
N/A	**Household VMT per Capita**	**N/A**	**Household VMT per Capita**
N/A	**Work VMT per Employee**	**N/A**	**Work VMT per Employee**

Significant VMT Impact?			
APC: South Los Angeles			
Impact Threshold: 15% Below APC Average Household = 6.0 Work = 11.6			
Proposed Project		***With Mitigation***	
VMT Threshold	**Impact**	**VMT Threshold**	**Impact**
Household > 6.0	N/A	Household > 6.0	N/A
Work > 11.6	N/A	Work > 11.6	N/A

TDM Strategy Inputs

Strategy Type		Description	Proposed Project	Mitigations
Parking	*Reduce parking supply*	*City code parking provision (spaces)*	*0*	*0*
		Actual parking provision (spaces)	*0*	*0*
	Unbundle parking	*Monthly cost for parking ($)*	*$0*	*$0*
	Parking cash-out	*Employees eligible (%)*	*0%*	*0%*
	Price workplace parking	*Daily parking charge ($)*	*$0.00*	*$0.00*
		Employees subject to priced parking (%)	*0%*	*0%*
	Residential area parking permits	*Cost of annual permit ($)*	*$0*	*$0*

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Transit	*Reduce transit headways*	*Reduction in headways (increase in frequency) (%)*	*0%*	*0%*
		Existing transit mode share (as a percent of total daily trips) (%)	*0%*	*0%*
		Lines within project site improved (<50%, >=50%)	*0*	*0*
	Implement neighborhood shuttle	*Degree of implementation (low, medium, high)*	*0*	*0*
		Employees and residents eligible (%)	*0%*	*0%*
	Transit subsidies	*Employees and residents eligible (%)*	*0%*	*0%*
		Amount of transit subsidy per passenger (daily equivalent) ($)	*$0.00*	*$0.00*
Education & Encouragement	*Voluntary travel behavior change program*	*Employees and residents participating (%)*	*0%*	*0%*
	Promotions and marketing	*Employees and residents participating (%)*	*0%*	*0%*

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Commute Trip Reductions	*Required commute trip reduction program*	*Employees participating (%)*	*0%*	*0%*
	Alternative Work Schedules and Telecommute	*Employees participating (%)*	*0%*	*0%*
		Type of program	*0*	*0*
	Employer sponsored vanpool or shuttle	*Degree of implementation (low, medium, high)*	*0*	*0*
		Employees eligible (%)	*0%*	*0%*
		Employer size (small, medium, large)	*0*	*0*
	Ride-share program	*Employees eligible (%)*	*0%*	*0%*
Shared Mobility	*Car share*	*Car share project setting (Urban, Suburban, All Other)*	*0*	*0*
	Bike share	*Within 600 feet of existing bike share station - OR- implementing new bike share station (Yes/No)*	*0*	*0*
	School carpool program	*Level of implementation (Low, Medium, High)*	*0*	*0*

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Bicycle Infrastructure	*Implement/Improve on-street bicycle facility*	*Provide bicycle facility along site (Yes/No)*	*0*	*0*
	Include Bike parking per LAMC	*Meets City Bike Parking Code (Yes/No)*	*0*	*0*
	Include secure bike parking and showers	*Includes indoor bike parking/lockers, showers, & repair station (Yes/No)*	*0*	*0*
Neighborhood Enhancement	*Traffic calming improvements*	*Streets with traffic calming improvements (%)*	*0%*	*0%*
		Intersections with traffic calming improvements (%)	*0%*	*0%*
	Pedestrian network improvements	*Included (within project and connecting off-site/within project only)*	*0*	*0*

CITY OF LOS ANGELES VMT CALCULATOR

Report 3: TDM Outputs

Date: November 17, 2021
Project Name: Green Dot Animo Compton
Project Scenario: Office Example
Project Address: 11920 S AVALON BLVD, 90061

Version 1.3

TDM Adjustments by Trip Purpose & Strategy

Place type: Compact Infill

		Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*		*Source*
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Parking	Reduce parking supply	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Parking sections 1 - 5
	Unbundle parking	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Parking cash-out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Price workplace parking	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Residential area parking permits	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Transit	Reduce transit headways	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Transit sections 1 - 3
	Implement neighborhood shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Transit subsidies	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Education & Encouragement	Voluntary travel behavior change program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Education & Encouragement sections 1 - 2
	Promotions and marketing	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Commute Trip Reductions	Required commute trip reduction program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Commute Trip Reductions sections 1 - 4
	Alternative Work Schedules and Telecommute Program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Employer sponsored vanpool or shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Ride-share program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Shared Mobility	Car-share	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	TDM Strategy Appendix, Shared Mobility sections 1 - 3
	Bike share	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	School carpool program	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

TDM Adjustments by Trip Purpose & Strategy, Cont.

Place type: Compact Infill

		Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*		*Source*
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Bicycle Infrastructure	Implement/ Improve on-street bicycle facility	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	TDM Strategy Appendix, Bicycle Infrastructure sections 1 - 3
	Include Bike parking per LAMC	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	
	Include secure bike parking and showers	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	
Neighborhood Enhancement	Traffic calming improvements	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	TDM Strategy Appendix, Neighborhood Enhancement sections 1 - 2
	Pedestrian network improvements	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	

Final Combined & Maximum TDM Effect

	Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*	
	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated
COMBINED TOTAL	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*
MAX. TDM EFFECT	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*

= Minimum (X%, 1-[(1-A)*(1-B)…])

where X%=

PLACE TYPE MAX:	*urban*	*75%*
	compact infill	*40%*
	suburban center	*20%*
	suburban	*15%*

Note: (1-[(1-A)*(1-B)…]) reflects the dampened combined effectiveness of TDM Strategies (e.g., A, B,...). See the TDM Strategy Appendix (*Transportation Assessment Guidelines Attachment G)* for further discussion of dampening.

CITY OF LOS ANGELES VMT CALCULATOR

Report 4: MXD Methodology

Date: November 17, 2021
Project Name: Green Dot Animo Compton
Project Scenario: Office Example
Project Address: 11920 S AVALON BLVD, 90061

Version 1.3

MXD Methodology - Project Without TDM

	Unadjusted Trips	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted VMT	MXD VMT
Home Based Work Production	0	0.0%	0	N/A	N/A	N/A
Home Based Other Production	0	0.0%	0	N/A	N/A	N/A
Non-Home Based Other Production	20	0.0%	20	N/A	N/A	N/A
Home-Based Work Attraction	87	-13.8%	75	N/A	N/A	N/A
Home-Based Other Attraction	39	-17.9%	32	N/A	N/A	N/A
Non-Home Based Other Attraction	20	0.0%	20	N/A	N/A	N/A

MXD Methodology with TDM Measures

	Proposed Project			*Project with Mitigation Measures*		
	TDM Adjustment	Project Trips	Project VMT	TDM Adjustment	Mitigated Trips	Mitigated VMT
Home Based Work Production	N/A	N/A	N/A	N/A	N/A	N/A
Home Based Other Production	N/A	N/A	N/A	N/A	N/A	N/A
Non-Home Based Other Production	N/A	N/A	N/A	N/A	N/A	N/A
Home-Based Work Attraction	N/A	N/A	N/A	N/A	N/A	N/A
Home-Based Other Attraction	N/A	N/A	N/A	N/A	N/A	N/A
Non-Home Based Other Attraction	N/A	N/A	N/A	N/A	N/A	N/A

MXD VMT Methodology Per Capita & Per Employee

Total Population: N/A
Total Employees: N/A
APC: South Los Angeles

	Proposed Project	*Project with Mitigation Measures*
Total Home Based Production VMT	**N/A**	**N/A**
Total Home Based Work Attraction VMT	**N/A**	**N/A**
Total Home Based VMT Per Capita	**N/A**	**N/A**
Total Work Based VMT Per Employee	**N/A**	**N/A**

VMT Calculator User Agreement

The Los Angeles Department of Transportation (LADOT), in partnership with the Department of City Planning and Fehr & Peers, has developed the City of Los Angeles Vehicle Miles Traveled (VMT) Calculator to estimate project-specific daily household VMT per capita and daily work VMT per employee for land use development projects. This application, the VMT Calculator, has been provided to You, the User, to assess vehicle miles traveled (VMT) outcomes of land use projects within the City of Los Angeles. The term "City" as used below shall refer to the City of Los Angeles. The terms "City" and "Fehr & Peers" as used below shall include their respective affiliates, subconsultants, employees, and representatives.

The City is pleased to be able to provide this information to the public. The City believes that the public is most effectively served when they are provided access to the technical tools that inform the public review process of private and public land use investments. However, in using the VMT Calculator, You agree to be bound by this VMT Calculator User Agreement (this Agreement).

VMT Calculator Application for the City of Los Angeles. The City's consultant calibrated the VMT Calculator's parameters in 2018 to estimate travel patterns of locations in the City, and validated those outcomes against empirical data. However, this calibration process is limited to locations within the City, and practitioners applying the VMT Calculator outside of the City boundaries should not apply these estimates without further calibration and validation of travel patterns to verify the VMT Calculator's accuracy in estimating VMT in such other locations.

Limited License to Use. This Agreement gives You a limited, non-transferrable, non-assignable, and non-exclusive license to use and execute a copy of the VMT Calculator on a computer system owned, leased or otherwise controlled by You in Your own facilities, as set out below, provided You do not use the VMT Calculator in an unauthorized manner, and that You do not republish, copy, distribute, reverse-engineer, modify, decompile, disassemble, transfer, or sell any part of the VMT Calculator, and provided that You know and follow the terms of this Agreement. Your failure to follow the terms of this Agreement shall automatically terminate this license and Your right to use the VMT Calculator.

Ownership. You understand and acknowledge that the City owns the VMT Calculator, and shall continue to own it through Your use of it, and that no transfer of ownership of any kind is intended in allowing You to use the VMT Calculator.

Warranty Disclaimer. In spite of the efforts of the City and Fehr & Peers, some information on the VMT Calculator may not be accurate. The VMT Calculator, OUTPUTS AND ASSOCIATED DATA ARE PROVIDED "as is" WITHOUT WARRANTY OF ANY KIND, whether expressed, implied, statutory, or otherwise including but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

Limitation of Liability. It is understood that the VMT Calculator is provided without charge. Neither the City nor Fehr & Peers can be responsible or liable for any information derived from its use, or for any delays, inaccuracies, incompleteness, errors or omissions arising out of your use of the VMT Calculator or with respect to the material contained in the VMT Calculator. You understand and agree that Your sole remedy against the City or Fehr & Peers for loss or damage caused by any defect or failure of the

VMT Calculator, regardless of the form of action, whether in contract, tort, including negligence, strict liability or otherwise, shall be the repair or replacement of the VMT Calculator to the extent feasible as determined solely by the City. In no event shall the City or Fehr & Peers be responsible to You or anyone else for, or have liability for any special, indirect, incidental or consequential damages (including, without limitation, damages for loss of business profits or changes to businesses costs) or lost data or downtime, however caused, and on any theory of liability from the use of, or the inability to use, the VMT Calculator, whether the data, and/or formulas contained in the VMT Calculator are provided by the City or Fehr & Peers, or another third party, even if the City or Fehr & Peers have been advised of the possibility of such damages.

This Agreement and License shall be governed by the laws of the State of California without regard to their conflicts of law provisions, and shall be effective as of the date set forth below and, unless terminated in accordance with the above or extended by written amendment to this Agreement, shall terminate on the earlier of the date that You are not making use of the VMT Calculator or one year after the beginning of Your use of the VMT Calculator.

By using the VMT Calculator, You hereby waive and release all claims, responsibilities, liabilities, actions, damages, costs, and losses, known and unknown, against the City and Fehr & Peers for Your use of the VMT Calculator.

Before making decisions using the information provided in this application, contact City LADOT staff to confirm the validity of the data provided.

Print and sign below, and submit to LADOT along with the transportation assessment Memorandum of Understanding (MOU).

You, the User	
By:	
Print Name:	Jason Shender, AICP
Title:	Transportation Planner III
Company:	Linscott, Law & Greenspan, Engineers
Address:	20931 Burbank Boulevard, Suite C Woodland Hills, CA 91367
Phone:	(818) 835-8648
Email Address:	jshender@llgengineers.com
Date:	11/17/2021

APPENDIX B

TRAFFIC COUNT DATA

Prepared by National Data & Surveying Services

Avalon Blvd & Rosecrans Ave

Peak Hour Turning Movement Count

ID: 19-05530-003
City: Compton

Day: Wednesday
Date: 09/11/2019

PEAK HOURS	COUNT PERIODS
07:30 AM - 08:30 AM	07:00 AM - 09:00 AM
NONE	NONE
04:30 PM - 05:30 PM	04:00 PM - 06:00 PM

SOUTHBOUND — Avalon Blvd

AM	87	569	146	2	699	AM
NOON	0	0	0	0	0	NOON
PM	68	471	188	4	940	PM

EASTBOUND — Rosecrans Ave

AM	NOON	PM		
1274	0	674	⇦	
0	0	1	↶	0
60	0	134	↱	1
415	0	1300	→	3
62	0	98	↴	0
AM	NOON	PM		

WESTBOUND — Rosecrans Ave

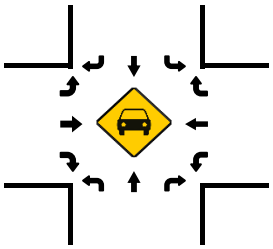
PM	NOON	AM		
134	0	153	↰	0
525	0	1091	←	3
113	0	148	↰	1
1	0	0	↶	0
1668	0	655	⇨	
PM	NOON	AM		

NORTHBOUND — Avalon Blvd

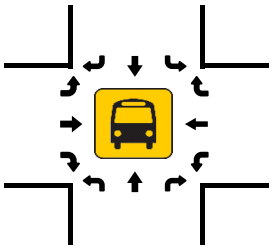
PM	683	1	80	668	179	PM
NOON	0	0	0	0	0	NOON
AM	780	1	96	484	94	AM

CONTROL			
Signalized			
TEV	3408 AM	0 NOON	3965 PM
PHF	0.92		0.96

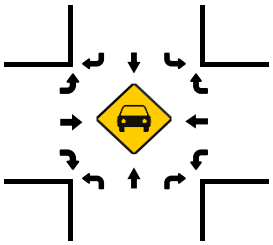
Total Vehicles (AM)



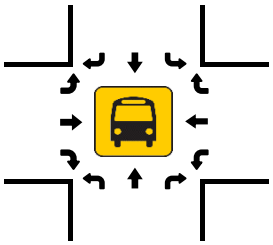
Total Vehicles (AM)



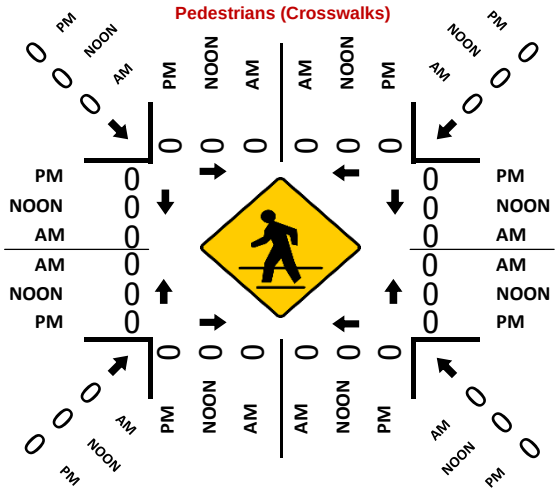
Total Vehicles (NOON)



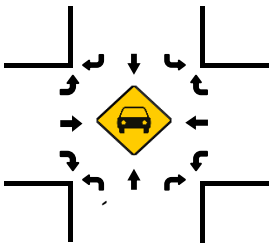
Total Vehicles (NOON)



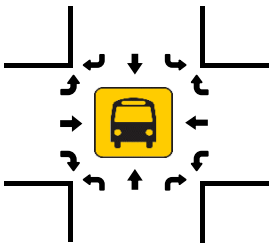
Pedestrians (Crosswalks)



Total Vehicles (PM)



Total Vehicles (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Avalon Blvd & Rosecrans Ave
City: Compton
Control: Signalized

Project ID: 19-05530-003
Date: 9/11/2019

Total

NS/EW Streets:	Avalon Blvd				Avalon Blvd				Rosecrans Ave				Rosecrans Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	1	0	1	2	0	0	1	3	0	0	1	3	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	14	107	24	0	16	80	21	0	10	75	17	0	25	250	25	0	664
7:15 AM	23	100	16	0	20	104	32	0	18	77	9	0	37	284	19	0	739
7:30 AM	20	137	15	0	29	147	23	0	14	99	13	0	38	345	45	0	925
7:45 AM	24	116	27	1	53	153	23	0	19	118	18	0	38	276	38	0	904
8:00 AM	26	114	22	0	36	155	16	1	17	113	18	0	40	234	33	0	825
8:15 AM	26	117	30	0	28	114	25	1	10	85	13	0	32	236	37	0	754
8:30 AM	15	95	19	1	42	73	19	0	15	137	20	0	29	197	28	0	690
8:45 AM	20	96	25	2	42	96	15	1	16	106	24	0	39	221	31	0	734
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	168	882	178	4	266	922	174	3	119	810	132	0	278	2043	256	0	6235
APPROACH %'s :	13.64%	71.59%	14.45%	0.32%	19.49%	67.55%	12.75%	0.22%	11.22%	76.34%	12.44%	0.00%	10.79%	79.28%	9.93%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	96	484	94	1	146	569	87	2	60	415	62	0	148	1091	153	0	3408
PEAK HR FACTOR :	0.923	0.883	0.783	0.250	0.689	0.918	0.870	0.500	0.789	0.879	0.861	0.000	0.925	0.791	0.850	0.000	0.921
	0.975				0.878				0.866				0.813				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	1	0	1	2	0	0	1	3	0	0	1	3	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	26	146	36	0	46	88	13	1	28	301	29	0	23	131	38	0	906
4:15 PM	30	142	32	1	41	94	7	1	26	294	22	0	30	133	35	0	888
4:30 PM	19	152	44	0	41	105	10	1	28	329	24	0	42	128	32	0	955
4:45 PM	20	148	41	0	54	141	21	1	27	329	19	0	20	116	31	0	968
5:00 PM	17	185	32	0	41	106	17	0	40	352	25	1	29	151	35	1	1032
5:15 PM	24	183	62	1	52	119	20	2	39	290	30	0	22	130	36	0	1010
5:30 PM	22	174	40	0	52	92	18	0	31	287	20	1	18	133	26	0	914
5:45 PM	25	148	42	1	39	104	14	1	35	323	17	0	18	127	21	0	915
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	183	1278	329	3	366	849	120	7	254	2505	186	2	202	1049	254	1	7588
APPROACH %'s :	10.21%	71.28%	18.35%	0.17%	27.27%	63.26%	8.94%	0.52%	8.62%	85.00%	6.31%	0.07%	13.41%	69.65%	16.87%	0.07%	
PEAK HR :	04:30 PM - 05:30 PM																TOTAL
PEAK HR VOL :	80	668	179	1	188	471	68	4	134	1300	98	1	113	525	134	1	3965
PEAK HR FACTOR :	0.833	0.903	0.722	0.250	0.870	0.835	0.810	0.500	0.838	0.923	0.817	0.250	0.673	0.869	0.931	0.250	0.961
	0.859				0.842				0.917				0.895				

Prepared by National Data & Surveying Services

Stanford Ave & Rosecrans Ave

Peak Hour Turning Movement Count

ID: 21-020329-001
City: Los Angeles

Day: Tuesday
Date: 11/30/2021

PEAK HOURS	COUNT PERIODS
07:15 AM - 08:15 AM	7:00 AM - 09:00 AM
NONE	NONE
04:15 PM - 05:15 PM	4:00 PM - 06:00 PM

SOUTHBOUND (Stanford Ave)

	L	T	R	U	Total	
AM	8	4	4	0	22	AM
NOON	0	0	0	0	0	NOON
PM	11	3	16	0	10	PM

EASTBOUND (Rosecrans Ave)

AM	NOON	PM		
1274	0	801	⇦	
0	0	2	↶	0
9	0	3	↰	1
563	0	1605	←	3
33	0	36	↲	0
AM	NOON	PM		

WESTBOUND (Rosecrans Ave)

PM	NOON	AM		
3	0	10	↱	0
761	0	1241	←	3
40	0	54	↰	1
0	0	0	↶	0
1671	0	610	⇨	
PM	NOON	AM		

NORTHBOUND (Stanford Ave)

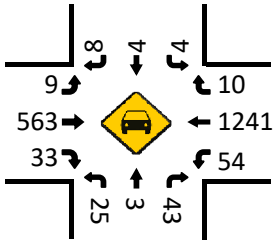
	L	T	R	U	Total	
PM	79	0	27	4	50	PM
NOON	0	0	0	0	0	NOON
AM	91	0	25	3	43	AM

CONTROL

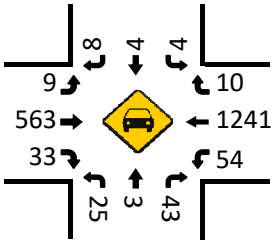
Signalized

		AM	NOON	PM
TEV	1997	0	2561	
PHF		0.94		0.94

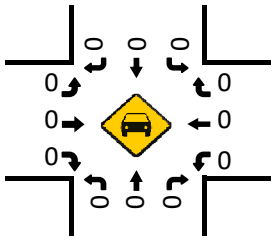
Totals (AM)



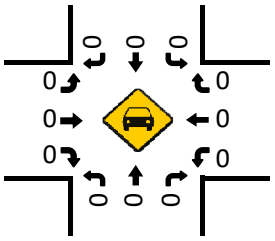
Totals (AM)



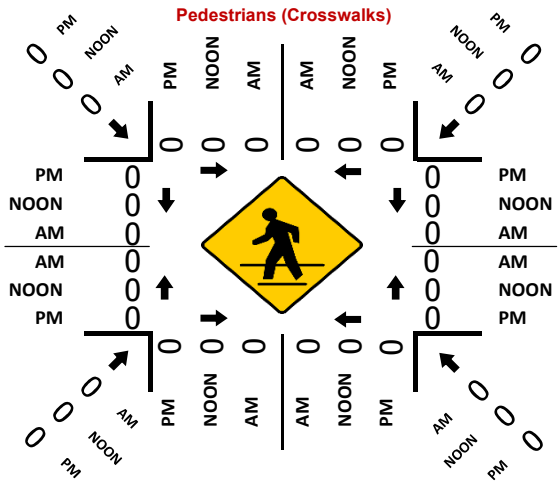
Totals (NOON)



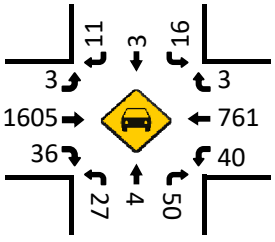
Totals (NOON)



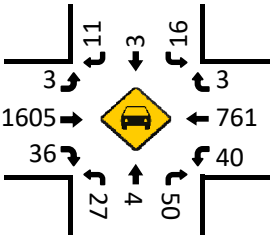
Pedestrians (Crosswalks)



Totals (PM)



Totals (PM)



National Data & Surveying Services Intersection Turning Movement Count

Location: Stanford Ave & Rosecrans Ave
City: Los Angeles
Control: Signalized

Project ID: 21-020329-001
Date: 11/30/2021

Data - Totals

NS/EW Streets:	Stanford Ave				Stanford Ave				Rosecrans Ave				Rosecrans Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	1	0	0	1	3	0	0	1	3	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	7	0	4	0	1	0	4	0	4	112	3	1	2	276	5	0	419
7:15 AM	4	1	9	0	2	0	2	0	4	113	4	0	5	309	3	0	456
7:30 AM	8	0	6	0	0	2	4	0	2	152	5	0	8	341	1	0	529
7:45 AM	5	0	12	0	1	1	1	0	3	136	11	0	21	301	4	0	496
8:00 AM	8	2	16	0	1	1	1	0	0	162	13	0	20	290	2	0	516
8:15 AM	1	1	14	0	1	4	1	0	4	141	8	0	12	263	1	0	451
8:30 AM	17	7	17	0	0	9	4	0	2	172	15	0	32	205	2	0	482
8:45 AM	15	5	35	0	1	8	1	0	2	138	26	0	55	206	1	1	494
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	65	16	113	0	7	25	18	0	21	1126	85	1	155	2191	19	1	3843
APPROACH %'s :	33.51%	8.25%	58.25%	0.00%	14.00%	50.00%	36.00%	0.00%	1.70%	91.32%	6.89%	0.08%	6.55%	92.60%	0.80%	0.04%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	25	3	43	0	4	4	8	0	9	563	33	0	54	1241	10	0	1997
PEAK HR FACTOR :	0.781	0.375	0.672	0.000	0.500	0.500	0.500	0.000	0.563	0.869	0.635	0.000	0.643	0.910	0.625	0.000	0.944
	0.683				0.667				0.864				0.932				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	1	0	0	1	3	0	0	1	3	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	5	1	16	0	4	1	9	0	4	388	12	0	15	192	3	0	650
4:15 PM	3	1	12	0	3	0	5	0	2	419	13	1	8	210	1	0	678
4:30 PM	5	2	11	0	4	1	0	0	0	380	6	0	13	166	0	0	588
4:45 PM	13	0	17	0	8	1	2	0	1	389	14	0	9	187	1	0	642
5:00 PM	6	1	10	0	1	1	4	0	0	417	3	1	10	198	1	0	653
5:15 PM	5	1	12	0	0	2	2	0	2	370	17	0	13	157	0	0	581
5:30 PM	17	2	16	0	0	1	2	0	3	398	11	0	3	169	1	1	624
5:45 PM	7	2	19	0	2	2	2	0	1	362	9	0	17	175	1	0	599
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	61	10	113	0	22	9	26	0	13	3123	85	2	88	1454	8	1	5015
APPROACH %'s :	33.15%	5.43%	61.41%	0.00%	38.60%	15.79%	45.61%	0.00%	0.40%	96.90%	2.64%	0.06%	5.67%	93.75%	0.52%	0.06%	
PEAK HR :	04:15 PM - 05:15 PM																TOTAL
PEAK HR VOL :	27	4	50	0	16	3	11	0	3	1605	36	2	40	761	3	0	2561
PEAK HR FACTOR :	0.519	0.500	0.735	0.000	0.500	0.750	0.550	0.000	0.375	0.958	0.643	0.500	0.769	0.906	0.750	0.000	0.944
	0.675				0.682				0.946				0.918				

Prepared by National Data & Surveying Services

Stanford Ave & Lennon St

Peak Hour Turning Movement Count

ID: 21-020329-002
City: Compton

Day: Tuesday
Date: 11/16/2021

PEAK HOURS	
AM	08:00 AM - 09:00 AM
NOON	NONE
PM	04:15 PM - 05:15 PM

COUNT PERIODS	
AM	7:00 AM - 09:00 AM
NOON	NONE
PM	4:00 PM - 06:00 PM

SOUTHBOUND (Stanford Ave)

AM	0	109	10	35	155	AM
NOON	0	0	0	0	0	NOON
PM	0	118	6	0	90	PM

EASTBOUND (Lennon St)

AM	NOON	PM	
0	0	0	
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
AM	NOON	PM	

WESTBOUND (Lennon St)

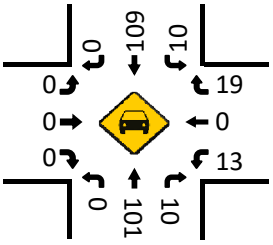
PM	NOON	AM	
10	0	19	0
0	0	0	1
13	0	13	0
0	0	0	0
22	0	20	
PM	NOON	AM	

NORTHBOUND (Stanford Ave)

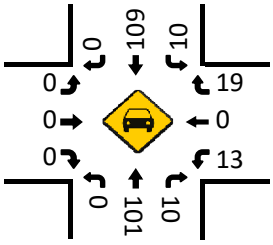
PM	131	0	0	80	16	PM
NOON	0	0	0	0	0	NOON
AM	122	0	0	101	10	AM

CONTROL			
1-Way Stop(WB)			
TEV	297 AM	0 NOON	243 PM
PHF	0.81		0.89

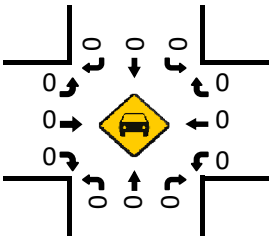
Totals (AM)



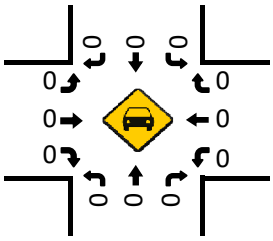
Total (AM)



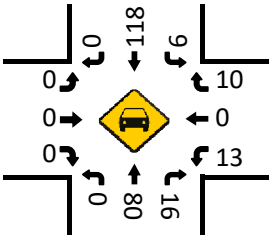
Totals (NOON)



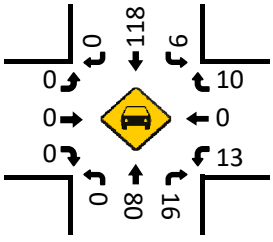
Total (NOON)



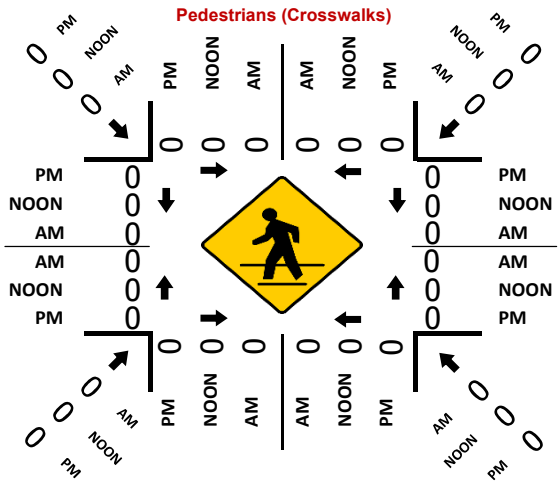
Totals (PM)



Total (PM)



Pedestrians (Crosswalks)



National Data & Surveying Services Intersection Turning Movement Count

Location: Stanford Ave & Lennon St
City: Compton
Control: 1-Way Stop(WB)

Project ID: 21-020329-002
Date: 11/16/2021

Data - Totals

NS/EW Streets:	Stanford Ave				Stanford Ave				Lennon St				Lennon St				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	11	1	0	0	7	0	0	0	0	0	0	1	0	2	0	22
7:15 AM	0	12	3	0	0	21	0	0	0	0	0	0	8	0	1	0	45
7:30 AM	0	15	0	0	1	12	0	0	0	0	0	0	3	0	5	0	36
7:45 AM	0	22	1	0	0	39	0	2	0	0	0	0	6	0	0	0	70
8:00 AM	0	32	5	0	2	30	0	6	0	0	0	0	4	0	2	0	81
8:15 AM	0	15	3	0	2	11	0	2	0	0	0	0	2	0	1	0	36
8:30 AM	0	33	1	0	1	29	0	13	0	0	0	0	5	0	6	0	88
8:45 AM	0	21	1	0	5	39	0	14	0	0	0	0	2	0	10	0	92
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	161	15	0	11	188	0	37	0	0	0	0	31	0	27	0	470
APPROACH %'s :	0.00%	91.48%	8.52%	0.00%	4.66%	79.66%	0.00%	15.68%					53.45%	0.00%	46.55%	0.00%	
PEAK HR :	08:00 AM - 09:00 AM																TOTAL
PEAK HR VOL :	0	101	10	0	10	109	0	35	0	0	0	0	13	0	19	0	297
PEAK HR FACTOR :	0.000	0.765	0.500	0.000	0.500	0.699	0.000	0.625	0.000	0.000	0.000	0.000	0.650	0.000	0.475	0.000	0.807
	0.750				0.664								0.667				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	19	2	0	2	25	0	0	0	0	0	0	6	0	4	0	58
4:15 PM	0	16	3	0	0	31	0	0	0	0	0	0	3	0	4	0	57
4:30 PM	0	21	3	0	1	24	0	0	0	0	0	0	5	0	5	0	59
4:45 PM	0	24	5	0	2	34	0	0	0	0	0	0	2	0	1	0	68
5:00 PM	0	19	5	0	3	29	0	0	0	0	0	0	3	0	0	0	59
5:15 PM	0	22	1	0	4	25	0	0	0	0	0	0	2	0	2	0	56
5:30 PM	0	16	3	0	5	24	0	0	0	0	0	0	0	0	1	0	49
5:45 PM	0	22	7	0	5	26	0	0	0	0	0	0	3	0	4	0	67
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	159	29	0	22	218	0	0	0	0	0	0	24	0	21	0	473
APPROACH %'s :	0.00%	84.57%	15.43%	0.00%	9.17%	90.83%	0.00%	0.00%					53.33%	0.00%	46.67%	0.00%	
PEAK HR :	04:15 PM - 05:15 PM																TOTAL
PEAK HR VOL :	0	80	16	0	6	118	0	0	0	0	0	0	13	0	10	0	243
PEAK HR FACTOR :	0.000	0.833	0.800	0.000	0.500	0.868	0.000	0.000	0.000	0.000	0.000	0.000	0.650	0.000	0.500	0.000	0.893
	0.828				0.861								0.575				

Prepared by National Data & Surveying Services

McKinley Ave & Rosecrans Ave

Peak Hour Turning Movement Count

ID: 21-020329-003
City: Los Angeles

Day: Tuesday
Date: 11/16/2021

PEAK HOURS	COUNT PERIODS
07:45 AM - 08:45 AM	7:00 AM - 09:00 AM
NONE	NONE
04:45 PM - 05:45 PM	4:00 PM - 06:00 PM

SOUTHBOUND (McKinley Ave)

AM	47	0	48	0	118	AM
NOON	0	0	0	0	0	NOON
PM	72	0	63	0	123	PM
	1	0	1	0		

EASTBOUND (Rosecrans Ave)

AM	NOON	PM	
1135	0	812	
0	0	0	0
47	0	58	1
711	0	1693	3
0	0	0	0
AM	NOON	PM	

WESTBOUND (Rosecrans Ave)

PM	NOON	AM	
65	0	71	0
740	0	1088	3
0	0	0	0
0	0	0	0
1756	0	759	
PM	NOON	AM	

NORTHBOUND (McKinley Ave)

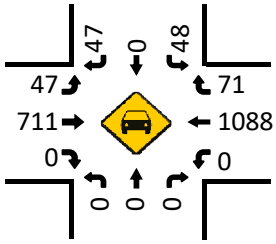
PM	0	0	0	0	0	PM
NOON	0	0	0	0	0	NOON
AM	0	0	0	0	0	AM
	0	0	0	0		

CONTROL

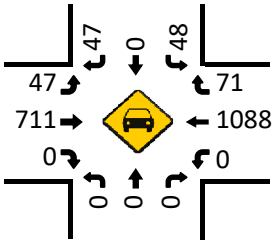
Signalized

TEV	2012 AM	0 NOON	2691 PM
PHF	0.95		0.95

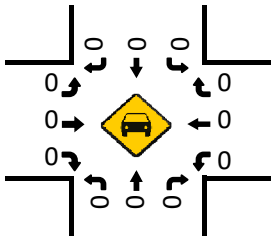
Totals (AM)



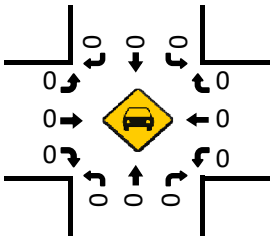
Total (AM)



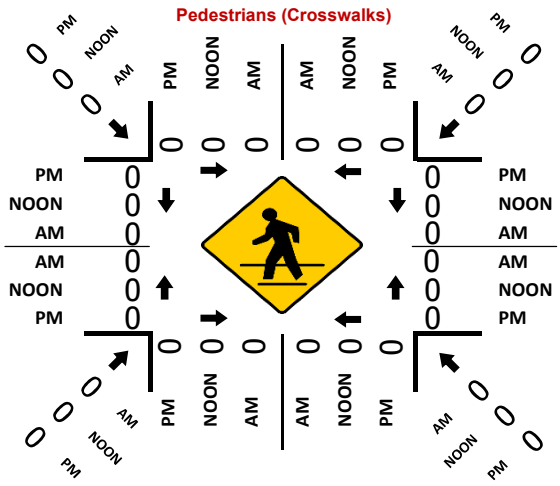
Totals (NOON)



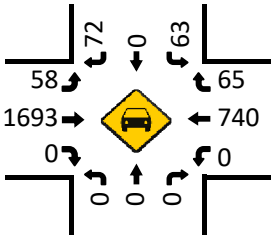
Total (NOON)



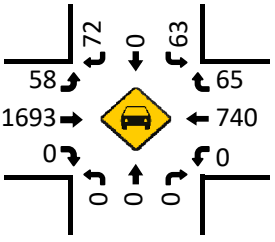
Pedestrians (Crosswalks)



Totals (PM)



Total (PM)



National Data & Surveying Services Intersection Turning Movement Count

Location: McKinley Ave & Rosecrans Ave
City: Los Angeles
Control: Signalized

Project ID: 21-020329-003
Date: 11/16/2021

Data - Totals

NS/EW Streets:	McKinley Ave				McKinley Ave				Rosecrans Ave				Rosecrans Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	1	0	1	0	1	3	0	0	0	3	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	7	0	7	0	3	117	0	0	0	271	9	0	414
7:15 AM	0	0	0	0	11	0	11	0	9	127	0	0	0	330	6	0	494
7:30 AM	0	0	0	0	8	0	11	0	7	136	0	0	0	289	12	0	463
7:45 AM	0	0	0	0	13	0	15	0	10	166	0	0	0	308	18	0	530
8:00 AM	0	0	0	0	10	0	14	0	12	175	0	0	0	274	16	0	501
8:15 AM	0	0	0	0	11	0	5	0	16	159	0	0	0	251	19	0	461
8:30 AM	0	0	0	0	14	0	13	0	9	211	0	0	0	255	18	0	520
8:45 AM	0	0	0	0	9	0	31	0	30	135	0	0	0	196	11	0	412
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	83	0	107	0	96	1226	0	0	0	2174	109	0	3795
APPROACH %'s :					43.68%	0.00%	56.32%	0.00%	7.26%	92.74%	0.00%	0.00%	0.00%	95.23%	4.77%	0.00%	
PEAK HR :	07:45 AM - 08:45 AM																TOTAL
PEAK HR VOL :	0	0	0	0	48	0	47	0	47	711	0	0	0	1088	71	0	2012
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.857	0.000	0.783	0.000	0.734	0.842	0.000	0.000	0.000	0.883	0.934	0.000	0.949
					0.848				0.861				0.889				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	1	0	1	0	1	3	0	0	0	3	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	15	0	18	0	15	373	0	0	0	178	17	0	616
4:15 PM	0	0	0	0	17	0	16	0	17	339	0	0	0	166	21	0	576
4:30 PM	0	0	0	0	13	0	15	0	15	411	0	0	0	189	10	0	653
4:45 PM	0	0	0	0	12	0	10	0	20	434	0	0	0	194	19	0	689
5:00 PM	0	0	0	0	27	0	27	0	11	405	0	0	0	186	20	0	676
5:15 PM	0	0	0	0	11	0	14	0	15	384	0	0	0	183	10	0	617
5:30 PM	0	0	0	0	13	0	21	0	12	470	0	0	0	177	16	0	709
5:45 PM	0	0	0	0	17	0	14	0	10	390	0	0	0	172	21	0	624
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	125	0	135	0	115	3206	0	0	0	1445	134	0	5160
APPROACH %'s :					48.08%	0.00%	51.92%	0.00%	3.46%	96.54%	0.00%	0.00%	0.00%	91.51%	8.49%	0.00%	
PEAK HR :	04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :	0	0	0	0	63	0	72	0	58	1693	0	0	0	740	65	0	2691
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.583	0.000	0.667	0.000	0.725	0.901	0.000	0.000	0.000	0.954	0.813	0.000	0.949
					0.625				0.908				0.945				

Prepared by National Data & Surveying Services

Cahita Ave/Recycling and Transfer Station Dwy & Rosecrans Ave

Peak Hour Turning Movement Count

ID: 21-020329-004
City: Los Angeles

Day: Tuesday
Date: 11/16/2021

PEAK HOURS	COUNT PERIODS
07:45 AM - 08:45 AM	7:00 AM - 09:00 AM
NONE	NONE
05:00 PM - 06:00 PM	4:00 PM - 06:00 PM

SOUTHBOUND — Cahita Ave/Recycling and Transfer Station Dwy

AM	4	0	0	0	8	AM
NOON	0	0	0	0	0	NOON
PM	0	0	0	0	11	PM

EASTBOUND — Rosecrans Ave

AM	NOON	PM		
1154	0	786	⇦	
0	0	0	↶	0
7	0	1	↱	0
725	0	1690	→	3
22	0	59	↳	0
AM	NOON	PM		

WESTBOUND — Rosecrans Ave

PM	NOON	AM		
5	0	1	↰	0
757	0	1106	←	3
10	0	16	↰	0
1	0	0	↶	0
1710	0	752	⇨	
PM	NOON	AM		

NORTHBOUND — Cahita Ave/Recycling and Transfer Station Dwy

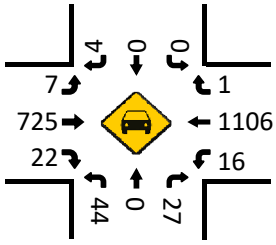
PM	69	0	29	5	19	PM
NOON	0	0	0	0	0	NOON
AM	38	0	44	0	27	AM

CONTROL

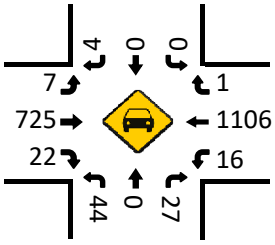
No Control

TEV	1952	0	2576
	AM	NOON	PM
PHF	0.96		0.94

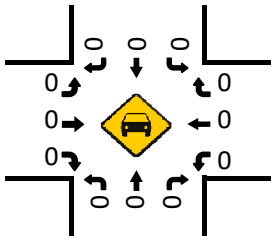
Totals (AM)



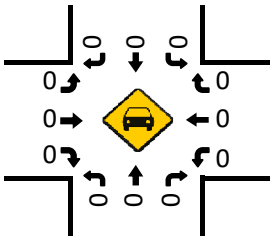
Total (AM)



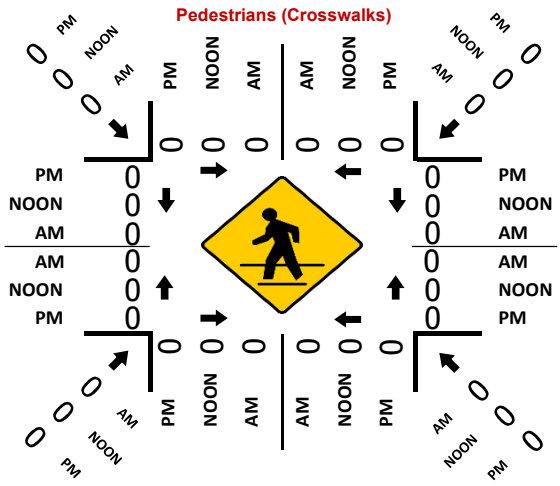
Totals (NOON)



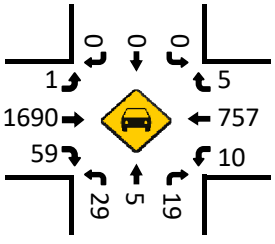
Total (NOON)



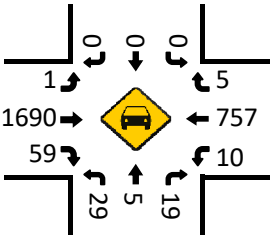
Pedestrians (Crosswalks)



Totals (PM)



Total (PM)



National Data & Surveying Services Intersection Turning Movement Count

Location: Cahita Ave/Recycling and Transfer Station Dwy & Rosecrans Ave
City: Los Angeles
Control: No Control

Project ID: 21-020329-004
Date: 11/16/2021

Data - Totals

NS/EW Streets:	Cahita Ave/Recycling and Transfer Station Dwy				Cahita Ave/Recycling and Transfer Station Dwy				Rosecrans Ave				Rosecrans Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	1	0	0	0	3	0	0	0	3	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	15	0	3	0	0	0	2	0	1	118	4	0	1	254	0	0	398
7:15 AM	11	0	2	0	0	0	0	0	1	125	4	0	2	319	1	0	465
7:30 AM	18	0	5	0	0	0	0	0	2	125	7	0	1	294	0	0	452
7:45 AM	13	0	3	0	0	0	2	0	1	177	5	0	5	300	0	0	506
8:00 AM	10	0	8	0	0	0	1	0	1	161	10	0	3	284	0	0	478
8:15 AM	8	0	11	0	0	0	1	0	1	189	3	0	5	263	1	0	482
8:30 AM	13	0	5	0	0	0	0	0	4	198	4	0	3	259	0	0	486
8:45 AM	11	0	4	0	0	0	2	0	2	153	6	0	2	203	0	0	383
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	99	0	41	0	0	0	8	0	13	1246	43	0	22	2176	2	0	3650
APPROACH %'s :	70.71%	0.00%	29.29%	0.00%	0.00%	0.00%	100.00%	0.00%	1.00%	95.70%	3.30%	0.00%	1.00%	98.91%	0.09%	0.00%	
PEAK HR :	07:45 AM - 08:45 AM																TOTAL
PEAK HR VOL :	44	0	27	0	0	0	4	0	7	725	22	0	16	1106	1	0	1952
PEAK HR FACTOR :	0.846	0.000	0.614	0.000	0.000	0.000	0.500	0.000	0.438	0.915	0.550	0.000	0.800	0.922	0.250	0.000	0.964
	0.934				0.500				0.915				0.920				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	1	0	0	0	3	0	0	0	3	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	3	0	1	0	1	0	0	0	2	369	16	0	6	193	0	1	592
4:15 PM	4	0	2	0	0	0	0	0	0	329	15	0	4	189	0	0	543
4:30 PM	11	0	1	0	0	0	0	0	0	419	16	0	6	180	0	1	634
4:45 PM	8	0	4	0	2	0	0	0	0	415	13	0	3	194	0	0	639
5:00 PM	7	1	3	0	0	0	0	0	0	437	15	0	1	207	1	0	672
5:15 PM	4	1	5	0	0	0	0	0	1	365	9	0	2	183	2	1	573
5:30 PM	7	2	5	0	0	0	0	0	0	470	20	0	0	179	2	0	685
5:45 PM	11	1	6	0	0	0	0	0	0	418	15	0	7	188	0	0	646
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	55	5	27	0	3	0	0	0	3	3222	119	0	29	1513	5	3	4984
APPROACH %'s :	63.22%	5.75%	31.03%	0.00%	100.00%	0.00%	0.00%	0.00%	0.09%	96.35%	3.56%	0.00%	1.87%	97.61%	0.32%	0.19%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	29	5	19	0	0	0	0	0	1	1690	59	0	10	757	5	1	2576
PEAK HR FACTOR :	0.659	0.625	0.792	0.000	0.000	0.000	0.000	0.000	0.250	0.899	0.738	0.000	0.357	0.914	0.625	0.250	0.940
	0.736								0.893				0.925				

Prepared by National Data & Surveying Services

Cahita Ave & E Rosecrans Ave Local Access

Peak Hour Turning Movement Count

ID: 21-020329-005
City: Los Angeles

Day: Tuesday
Date: 11/16/2021

PEAK HOURS	COUNT PERIODS
07:45 AM - 08:45 AM	7:00 AM - 09:00 AM
NONE	NONE
05:00 PM - 06:00 PM	4:00 PM - 06:00 PM

SOUTHBOUND (Cahita Ave)

AM	15	17	7	0	71	AM
NOON	0	0	0	0	0	NOON
PM	19	31	19	0	53	PM

EASTBOUND (E Rosecrans Ave Local Access)

AM	NOON	PM	
33	0	32	
0	0	0	0
18	0	15	0
5	0	8	1
1	0	4	0
AM	NOON	PM	

WESTBOUND (E Rosecrans Ave Local Access)

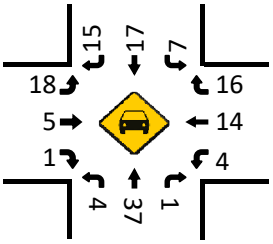
PM	NOON	AM	
17	0	16	0
11	0	14	1
3	0	4	0
0	0	0	0
30	0	13	
PM	NOON	AM	

NORTHBOUND (Cahita Ave)

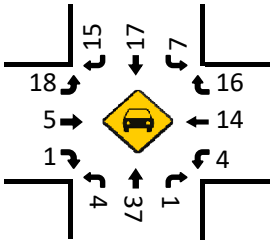
PM	38	0	2	21	3	PM
NOON	0	0	0	0	0	NOON
AM	22	0	4	37	1	AM

CONTROL			
3-Way Stop(NB/EB/WB)			
TEV	139 AM	0 NOON	153 PM
PHF	0.91		0.83

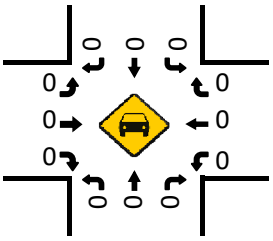
Totals (AM)



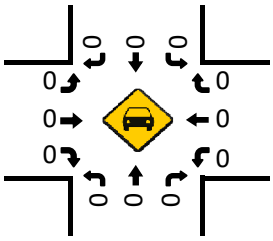
Total (AM)



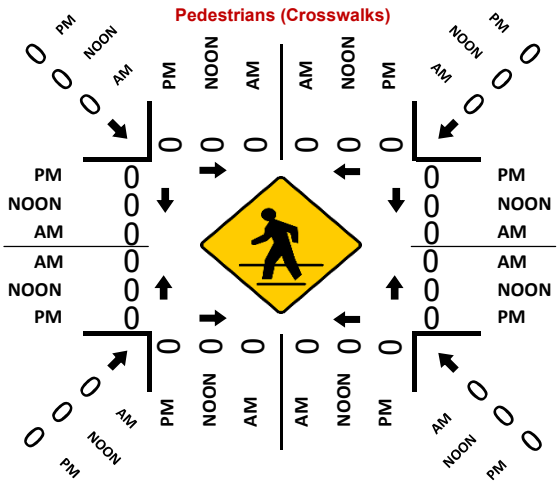
Totals (NOON)



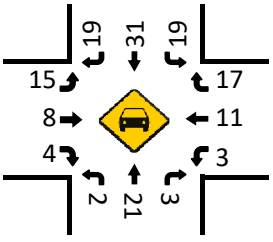
Total (NOON)



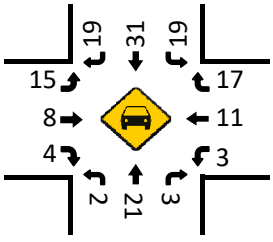
Pedestrians (Crosswalks)



Totals (PM)



Total (PM)



National Data & Surveying Services Intersection Turning Movement Count

Location: Cahita Ave & E Rosecrans Ave Local Access
City: Los Angeles
Control: 3-Way Stop(NB/EB/WB)

Project ID: 21-020329-005
Date: 11/16/2021

Data - Totals

NS/EW Streets:	Cahita Ave				Cahita Ave				E Rosecrans Ave Local Access				E Rosecrans Ave Local Access				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	5	1	0	0	2	4	0	6	1	0	0	0	1	7	0	27
7:15 AM	1	2	0	0	1	2	3	0	6	0	0	0	0	2	7	0	24
7:30 AM	1	10	2	0	4	2	1	0	5	0	0	0	0	1	6	0	32
7:45 AM	0	8	1	0	2	4	5	0	3	0	1	0	1	6	6	0	37
8:00 AM	1	11	0	0	2	6	5	0	3	4	0	0	1	2	3	0	38
8:15 AM	1	10	0	0	1	3	3	0	9	0	0	0	2	0	1	0	30
8:30 AM	2	8	0	0	2	4	2	0	3	1	0	0	0	6	6	0	34
8:45 AM	1	4	0	0	1	4	2	0	6	2	1	1	1	6	5	0	34
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	7	58	4	0	13	27	25	0	41	8	2	1	5	24	41	0	256
APPROACH %'s :	10.14%	84.06%	5.80%	0.00%	20.00%	41.54%	38.46%	0.00%	78.85%	15.38%	3.85%	1.92%	7.14%	34.29%	58.57%	0.00%	
PEAK HR :	07:45 AM - 08:45 AM																TOTAL
PEAK HR VOL :	4	37	1	0	7	17	15	0	18	5	1	0	4	14	16	0	139
PEAK HR FACTOR :	0.500	0.841	0.250	0.000	0.875	0.708	0.750	0.000	0.500	0.313	0.250	0.000	0.500	0.583	0.667	0.000	0.914
	0.875				0.750				0.667				0.654				

NS/EW Streets:	Cahita Ave				Cahita Ave				E Rosecrans Ave Local Access				E Rosecrans Ave Local Access				
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	1	1	0	0	6	11	5	0	4	1	1	0	1	3	0	0	34
4:15 PM	0	3	3	0	6	8	5	0	1	2	0	0	2	2	3	0	35
4:30 PM	3	4	0	2	9	9	4	0	5	1	1	0	1	2	1	0	42
4:45 PM	0	7	1	0	5	7	4	0	3	1	1	0	1	0	2	0	32
5:00 PM	0	4	2	0	5	5	4	0	2	3	0	0	2	3	6	0	36
5:15 PM	0	2	1	0	2	8	3	0	5	3	1	0	0	3	4	0	32
5:30 PM	1	6	0	0	5	10	5	0	3	0	2	0	1	2	4	0	39
5:45 PM	1	9	0	0	7	8	7	0	5	2	1	0	0	3	3	0	46
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	6	36	7	2	45	66	37	0	28	13	7	0	8	18	23	0	296
APPROACH %'s :	11.76%	70.59%	13.73%	3.92%	30.41%	44.59%	25.00%	0.00%	58.33%	27.08%	14.58%	0.00%	16.33%	36.73%	46.94%	0.00%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	2	21	3	0	19	31	19	0	15	8	4	0	3	11	17	0	153
PEAK HR FACTOR :	0.500	0.583	0.375	0.000	0.679	0.775	0.679	0.000	0.750	0.667	0.500	0.000	0.375	0.917	0.708	0.000	0.832
	0.650				0.784				0.750				0.705				

Prepared by National Data & Surveying Services

Aprilia Ave/Avalon Cold Dwy & Rosecrans Ave

Peak Hour Turning Movement Count

ID: 21-020329-006
City: Los Angeles

Day: Tuesday
Date: 11/16/2021

PEAK HOURS	COUNT PERIODS
07:45 AM - 08:45 AM	7:00 AM - 09:00 AM
NONE	NONE
04:45 PM - 05:45 PM	4:00 PM - 06:00 PM

SOUTHBOUND — Aprilia Ave/Avalon Cold Dwy

AM	0	0	0	0	38	AM
NOON	0	0	0	0	0	NOON
PM	0	0	0	0	13	PM

EASTBOUND — Rosecrans Ave

AM	NOON	PM		
1122	0	799	⇦	
0	0	0	↶	0
18	0	8	↱	1
696	0	1706	→	3
10	0	24	↷	0
AM	NOON	PM		

WESTBOUND — Rosecrans Ave

PM	NOON	AM		
5	0	20	↶	0
785	0	1116	←	3
41	0	22	↰	1
14	0	3	↷	0
1739	0	717	⇨	
PM	NOON	AM		

NORTHBOUND — Aprilia Ave/Avalon Cold Dwy

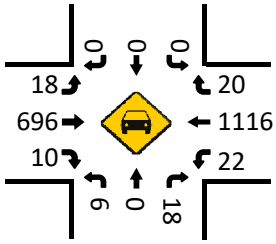
PM	65	0	14	0	19	PM
NOON	0	0	0	0	0	NOON
AM	32	0	6	0	18	AM

CONTROL

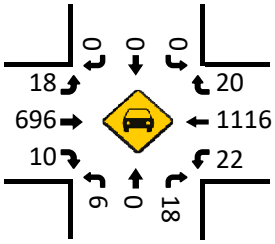
Signalized

TEV	1909 AM	0 NOON	2616 PM
PHF	0.96		0.90

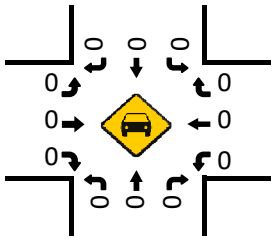
Totals (AM)



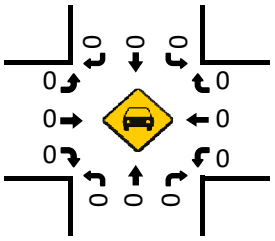
Total (AM)



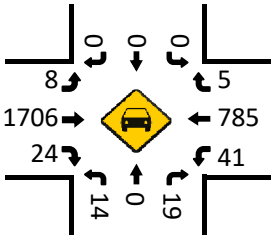
Totals (NOON)



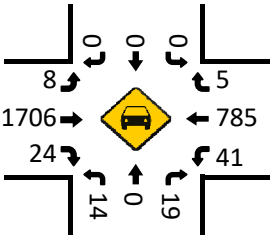
Total (NOON)



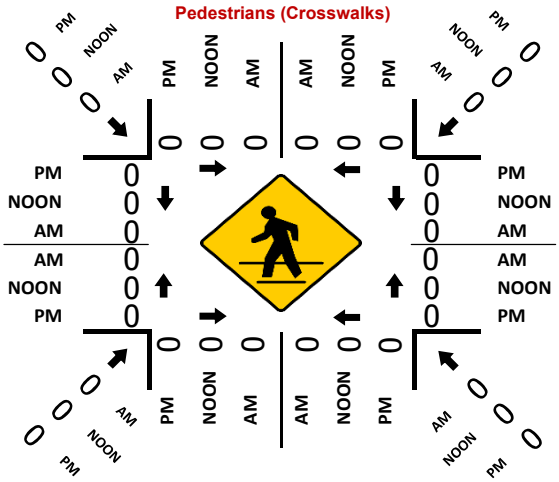
Totals (PM)



Total (PM)



Pedestrians (Crosswalks)



National Data & Surveying Services Intersection Turning Movement Count

Location: Aprilia Ave/Avalon Cold Dwy & Rosecrans Ave
City: Los Angeles
Control: Signalized

Project ID: 21-020329-006
Date: 11/16/2021

Data - Totals

NS/EW Streets:	Aprilia Ave/Avalon Cold Dwy				Aprilia Ave/Avalon Cold Dwy				Rosecrans Ave				Rosecrans Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	0	0	0	1	3	0	0	1	3	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	2	0	2	0	0	0	0	0	10	121	1	0	4	240	6	0	386
7:15 AM	0	0	4	0	0	0	0	0	3	118	0	0	2	338	1	0	466
7:30 AM	0	0	5	0	0	0	0	0	4	133	5	0	0	282	6	0	435
7:45 AM	4	0	3	0	0	0	0	0	2	171	4	0	8	298	6	2	498
8:00 AM	1	0	2	0	0	0	0	0	5	171	3	0	3	297	4	1	487
8:15 AM	1	0	5	0	0	0	0	0	5	166	1	0	6	256	5	0	445
8:30 AM	0	0	8	0	0	0	0	0	6	188	2	0	5	265	5	0	479
8:45 AM	2	0	3	0	0	0	0	0	2	152	1	0	3	193	2	0	358
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	10	0	32	0	0	0	0	0	37	1220	17	0	31	2169	35	3	3554
APPROACH %'s :	23.81%	0.00%	76.19%	0.00%					2.90%	95.76%	1.33%	0.00%	1.39%	96.92%	1.56%	0.13%	
PEAK HR :	07:45 AM - 08:45 AM																TOTAL
PEAK HR VOL :	6	0	18	0	0	0	0	0	18	696	10	0	22	1116	20	3	1909
PEAK HR FACTOR :	0.375	0.000	0.563	0.000	0.000	0.000	0.000	0.000	0.750	0.926	0.625	0.000	0.688	0.936	0.833	0.375	0.958
	0.750								0.923				0.924				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	0	0	0	1	3	0	0	1	3	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	3	0	6	0	0	0	0	0	8	367	5	0	7	186	8	0	590
4:15 PM	4	0	5	0	0	0	0	0	0	333	6	0	4	172	1	0	525
4:30 PM	1	0	7	0	0	0	0	0	5	407	9	0	6	180	1	1	617
4:45 PM	4	0	3	0	0	0	0	0	4	383	9	0	10	219	0	1	633
5:00 PM	4	0	6	0	0	0	0	0	3	441	6	0	12	197	2	4	675
5:15 PM	5	0	6	0	0	0	0	0	0	374	5	0	11	179	2	2	584
5:30 PM	1	0	4	0	0	0	0	0	1	508	4	0	8	190	1	7	724
5:45 PM	4	0	6	0	0	0	0	0	4	384	7	1	6	183	0	4	599
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	26	0	43	0	0	0	0	0	25	3197	51	1	64	1506	15	19	4947
APPROACH %'s :	37.68%	0.00%	62.32%	0.00%					0.76%	97.65%	1.56%	0.03%	3.99%	93.89%	0.94%	1.18%	
PEAK HR :	04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :	14	0	19	0	0	0	0	0	8	1706	24	0	41	785	5	14	2616
PEAK HR FACTOR :	0.700	0.000	0.792	0.000	0.000	0.000	0.000	0.000	0.500	0.840	0.667	0.000	0.854	0.896	0.625	0.500	0.903
	0.750								0.847				0.918				

Prepared by National Data & Surveying Services

Aprilia Ave & E Rosecrans Ave Local Access

Peak Hour Turning Movement Count

ID: 21-020329-007
City: Los Angeles

Day: Tuesday
Date: 11/16/2021

PEAK HOURS	COUNT PERIODS
07:45 AM - 08:45 AM	7:00 AM - 09:00 AM
NONE	NONE
04:30 PM - 05:30 PM	4:00 PM - 06:00 PM

SOUTHBOUND (Aprilia Ave)

	L	T	R	U	Total	
AM	17	9	6	0	24	AM
NOON	0	0	0	0	0	NOON
PM	14	30	23	1	35	PM

EASTBOUND (E Rosecrans Ave Local Access)

	L	T	R	U	Total	
AM	0	0	0	0	0	AM
NOON	0	0	0	0	0	NOON
PM	0	1	0	0	1	PM

AM	NOON	PM	
33	0	31	
0	0	0	0
12	0	13	0
4	0	7	1
0	0	7	0

WESTBOUND (E Rosecrans Ave Local Access)

	L	T	R	U	Total	
AM	10	0	3	0	13	AM
NOON	13	0	14	1	28	NOON
PM	4	0	0	0	4	PM

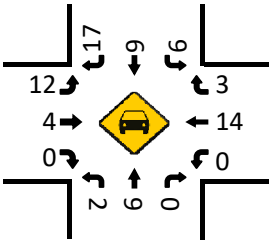
PM	NOON	AM	
10	0	3	0
13	0	14	1
4	0	0	0
0	0	0	0
34	0	10	

NORTHBOUND (Aprilia Ave)

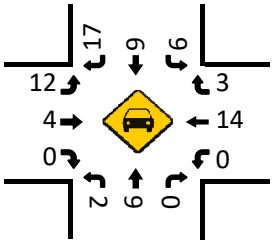
	L	T	R	U	Total	
PM	41	0	4	11	4	PM
NOON	0	0	0	0	0	NOON
AM	9	0	2	9	0	AM

CONTROL			
2-Way Stop(EB/WB)			
TEV	76 AM	0 NOON	141 PM
PHF	0.79		0.78

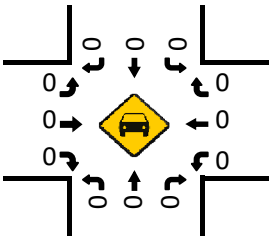
Totals (AM)



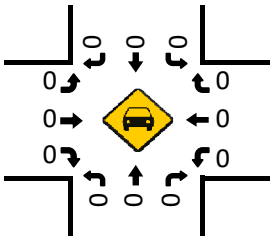
Total (AM)



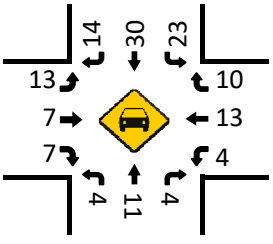
Totals (NOON)



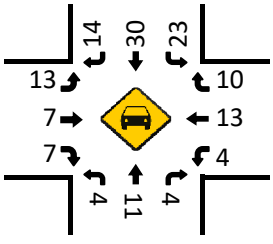
Total (NOON)



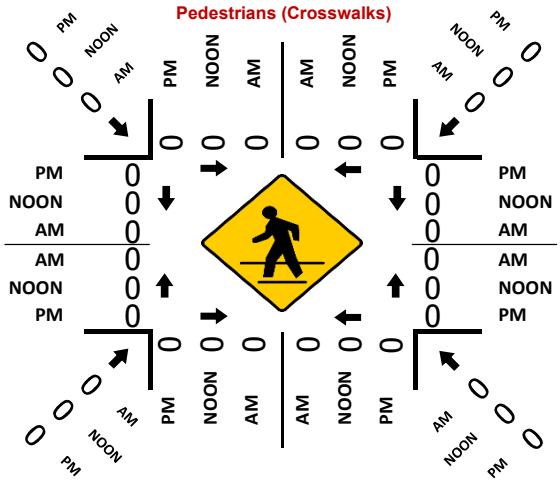
Totals (PM)



Total (PM)



Pedestrians (Crosswalks)



National Data & Surveying Services Intersection Turning Movement Count

Location: Aprilia Ave & E Rosecrans Ave Local Access
City: Los Angeles
Control: 2-Way Stop(EB/WB)

Project ID: 21-020329-007
Date: 11/16/2021

Data - Totals

NS/EW Streets:	Aprilia Ave				Aprilia Ave				E Rosecrans Ave Local Access				E Rosecrans Ave Local Access				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	3	2	0	0	1	3	1	0	1	1	0	0	1	2	2	0	17
7:15 AM	3	1	0	0	0	1	0	0	3	0	2	0	1	2	0	0	13
7:30 AM	1	2	0	0	2	3	0	1	2	1	1	2	0	0	0	0	15
7:45 AM	0	1	0	0	3	2	6	0	4	0	0	0	0	5	2	0	23
8:00 AM	1	2	0	0	2	3	2	0	2	2	0	0	0	3	0	0	17
8:15 AM	0	3	0	0	0	3	3	0	2	0	0	0	0	1	0	0	12
8:30 AM	1	3	0	0	1	1	6	0	4	2	0	0	0	5	1	0	24
8:45 AM	3	4	0	0	0	2	2	0	1	1	2	0	1	4	0	0	20
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	12	18	0	0	9	18	20	1	19	7	5	2	3	22	5	0	141
APPROACH %'s :	40.00%	60.00%	0.00%	0.00%	18.75%	37.50%	41.67%	2.08%	57.58%	21.21%	15.15%	6.06%	10.00%	73.33%	16.67%	0.00%	
PEAK HR :	07:45 AM - 08:45 AM																TOTAL
PEAK HR VOL :	2	9	0	0	6	9	17	0	12	4	0	0	0	14	3	0	76
PEAK HR FACTOR :	0.500	0.750	0.000	0.000	0.500	0.750	0.708	0.000	0.750	0.500	0.000	0.000	0.000	0.700	0.375	0.000	0.792
	0.688				0.727				0.667				0.607				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	3	0	0	3	6	2	0	3	1	2	0	0	2	3	0	25
4:15 PM	0	3	0	0	4	2	2	0	5	4	1	0	0	4	2	0	27
4:30 PM	2	1	0	0	7	6	3	1	3	3	2	0	1	2	2	0	33
4:45 PM	0	2	2	0	7	5	3	0	1	3	0	0	1	1	5	0	30
5:00 PM	1	3	1	0	4	12	6	0	4	1	4	0	1	6	2	0	45
5:15 PM	1	5	1	0	5	7	2	0	5	0	1	0	1	4	1	0	33
5:30 PM	1	2	0	0	3	9	2	0	2	1	0	0	1	3	1	0	25
5:45 PM	0	3	0	0	4	5	3	1	3	3	0	0	0	5	3	0	30
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	5	22	4	0	37	52	23	2	26	16	10	0	5	27	19	0	248
APPROACH %'s :	16.13%	70.97%	12.90%	0.00%	32.46%	45.61%	20.18%	1.75%	50.00%	30.77%	19.23%	0.00%	9.80%	52.94%	37.25%	0.00%	
PEAK HR :	04:30 PM - 05:30 PM																TOTAL
PEAK HR VOL :	4	11	4	0	23	30	14	1	13	7	7	0	4	13	10	0	141
PEAK HR FACTOR :	0.500	0.550	0.500	0.000	0.821	0.625	0.583	0.250	0.650	0.583	0.438	0.000	1.000	0.542	0.500	0.000	0.783
	0.679				0.773				0.750				0.750				

Prepared by National Data & Surveying Services

Central Ave & Rosecrans Ave

Peak Hour Turning Movement Count

ID: 19-05531-010
City: Compton

Day: Wednesday
Date: 09/11/2019

PEAK HOURS	COUNT PERIODS
07:15 AM - 08:15 AM	07:00 AM - 09:00 AM
03:00 PM - 04:00 PM	02:00 PM - 04:00 PM
04:45 PM - 05:45 PM	04:00 PM - 06:00 PM

Central Ave — SOUTHBOUND

AM	204	853	87	1	836	AM
NOON	127	624	177	5	864	NOON
PM	120	585	190	9	1044	PM

EASTBOUND — Rosecrans Ave

AM	NOON	PM		
1495	749	803	⇦	
2	0	0	↶	0
114	157	202	↱	1
379	927	1179	→	3
116	158	212	↷	0
AM	NOON	PM		

WESTBOUND — Rosecrans Ave

PM	NOON	AM		
122	109	136	↶	0
538	471	1144	←	2
106	118	158	↰	1
5	5	3	↷	0
1482	1203	543	⇨	
PM	NOON	AM		

Central Ave — NORTHBOUND

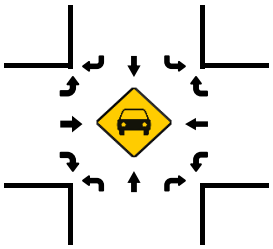
PM	918	15	145	711	108	PM
NOON	914	14	151	593	94	NOON
AM	1147	20	145	585	74	AM

↶	↰	↑	↱	
0	1	2	1	

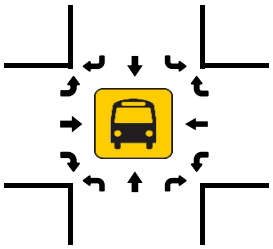
CONTROL: Signalized

TEV	4021	3730	4247
	AM	NOON	PM
PHF	0.94	0.95	0.97

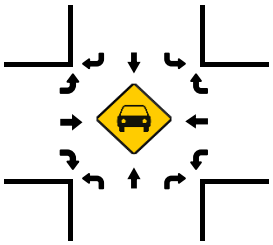
Total Vehicles (AM)



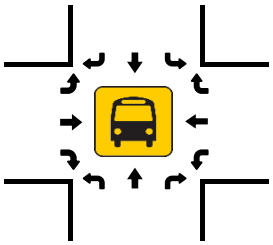
Total Vehicles (AM)



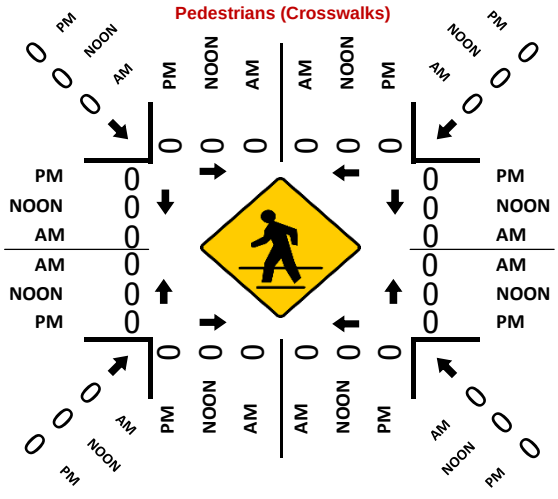
Total Vehicles (NOON)



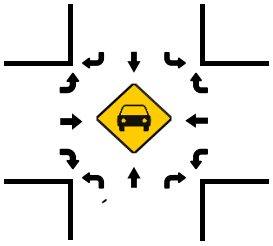
Total Vehicles (NOON)



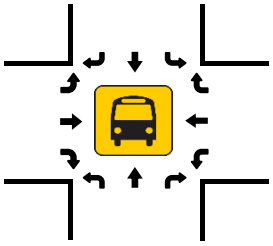
Pedestrians (Crosswalks)



Total Vehicles (PM)



Total Vehicles (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Central Ave & Rosecrans Ave
City: Compton
Control: Signalized

Project ID: 19-05531-010
Date: 9/11/2019

Total

NS/EW Streets:	Central Ave				Central Ave				Rosecrans Ave				Rosecrans Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	1	0	1	3	0	0	1	3	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	21	119	12	3	14	120	20	0	35	73	22	0	24	271	33	1	768
7:15 AM	30	132	13	2	17	177	42	0	32	60	24	2	35	283	36	1	886
7:30 AM	33	159	21	7	22	184	48	1	33	108	28	0	40	325	32	0	1041
7:45 AM	48	152	22	4	26	249	47	0	16	111	33	0	41	287	35	0	1071
8:00 AM	34	142	18	7	22	243	67	0	33	100	31	0	42	249	33	2	1023
8:15 AM	33	121	18	6	31	112	44	1	31	83	23	0	44	229	34	1	811
8:30 AM	34	131	21	4	28	139	40	1	30	88	31	0	20	174	28	0	769
8:45 AM	44	117	15	2	26	110	50	2	29	75	24	0	31	194	38	0	757
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	277	1073	140	35	186	1334	358	5	239	698	216	2	277	2012	269	5	7126
APPROACH %'s :	18.16%	70.36%	9.18%	2.30%	9.88%	70.84%	19.01%	0.27%	20.69%	60.43%	18.70%	0.17%	10.81%	78.50%	10.50%	0.20%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	145	585	74	20	87	853	204	1	114	379	116	2	158	1144	136	3	4021
PEAK HR FACTOR :	0.755	0.920	0.841	0.714	0.837	0.856	0.761	0.250	0.864	0.854	0.879	0.250	0.940	0.880	0.944	0.375	0.939
	0.912				0.862				0.904				0.907				

NOON	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	1	0	1	3	0	0	1	3	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
2:00 PM	36	117	18	6	54	95	45	2	29	167	38	0	34	140	35	1	817
2:15 PM	30	135	16	4	32	126	33	4	54	167	34	0	25	131	36	2	829
2:30 PM	35	133	29	3	48	125	35	2	48	236	64	0	19	124	30	1	932
2:45 PM	34	146	19	3	55	154	28	2	38	188	43	0	32	94	25	1	862
3:00 PM	35	143	21	5	46	123	34	1	25	244	33	0	24	112	25	1	872
3:15 PM	33	168	17	1	36	174	29	2	52	194	37	0	29	103	20	2	897
3:30 PM	50	136	26	4	45	151	29	1	36	257	48	0	31	129	40	0	983
3:45 PM	33	146	30	4	50	176	35	1	44	232	40	0	34	127	24	2	978
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	286	1124	176	30	366	1124	268	15	326	1685	337	0	228	960	235	10	7170
APPROACH %'s :	17.70%	69.55%	10.89%	1.86%	20.64%	63.40%	15.12%	0.85%	13.88%	71.76%	14.35%	0.00%	15.91%	66.99%	16.40%	0.70%	
PEAK HR :	03:00 PM - 04:00 PM																TOTAL
PEAK HR VOL :	151	593	94	14	177	624	127	5	157	927	158	0	118	471	109	5	3730
PEAK HR FACTOR :	0.755	0.882	0.783	0.700	0.885	0.886	0.907	0.625	0.755	0.902	0.823	0.000	0.868	0.913	0.681	0.625	0.949
	0.973				0.890				0.911				0.879				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	1	0	1	3	0	0	1	3	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	35	159	25	7	53	143	32	0	40	292	60	2	36	110	33	1	1028
4:15 PM	33	159	26	7	37	136	31	1	55	266	45	0	28	131	39	1	995
4:30 PM	49	165	24	4	53	158	32	2	48	279	38	0	22	112	29	0	1015
4:45 PM	39	195	27	2	52	152	24	4	51	320	47	0	27	119	35	2	1096
5:00 PM	33	174	25	4	42	151	25	0	51	323	48	0	25	149	31	0	1081
5:15 PM	31	158	20	2	51	134	39	2	53	298	58	0	21	131	31	1	1030
5:30 PM	42	184	36	7	45	148	32	3	47	238	59	0	33	139	25	2	1040
5:45 PM	35	167	23	1	41	156	18	1	55	286	51	2	34	121	33	2	1026
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	297	1361	206	34	374	1178	233	13	400	2302	406	4	226	1012	256	9	8311
APPROACH %'s :	15.65%	71.71%	10.85%	1.79%	20.80%	65.52%	12.96%	0.72%	12.85%	73.97%	13.05%	0.13%	15.04%	67.33%	17.03%	0.60%	
PEAK HR :	04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :	145	711	108	15	190	585	120	9	202	1179	212	0	106	538	122	5	4247
PEAK HR FACTOR :	0.863	0.912	0.750	0.536	0.913	0.962	0.769	0.563	0.953	0.913	0.898	0.000	0.803	0.903	0.871	0.625	0.969
	0.910				0.974				0.944				0.940				

Prepared by National Data & Surveying Services

VOLUME

E. Rosecrans Ave Local Acess Bet. Cahita Ave & Winner's Chapel West Drwy

Day: Tuesday
Date: 11/16/2021

City: Compton
Project #: CA21_020330_001

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	333	377	710

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			2		0		2		12:00			4		4		8	
00:15			0		0		0		12:15			6		2		8	
00:30			0		0		0		12:30			2		3		5	
00:45			0	2	0		0	2	12:45			5	17	7	16	12	33
01:00			0		0		0		13:00			4		8		12	
01:15			2		0		2		13:15			13		9		22	
01:30			0		1		1		13:30			4		3		7	
01:45			0	2	1	2	1	4	13:45			4	25	6	26	10	51
02:00			0		0		0		14:00			3		2		5	
02:15			0		0		0		14:15			4		5		9	
02:30			0		2		2		14:30			6		4		10	
02:45			0		0	2	0	2	14:45			5	18	5	16	10	34
03:00			0		0		0		15:00			8		6		14	
03:15			0		0		0		15:15			3		4		7	
03:30			1		0		1		15:30			5		4		9	
03:45			0	1	0		0	1	15:45			4	20	5	19	9	39
04:00			0		0		0		16:00			6		8		14	
04:15			1		0		1		16:15			5		6		11	
04:30			1		0		1		16:30			5		7		12	
04:45			1	3	0		1	3	16:45			4	20	7	28	11	48
05:00			0		1		1		17:00			7		8		15	
05:15			2		7		9		17:15			8		5		13	
05:30			0		2		2		17:30			7		10		17	
05:45			1	3	0	10	1	13	17:45			6	28	9	32	15	60
06:00			2		1		3		18:00			6		13		19	
06:15			1		3		4		18:15			7		9		16	
06:30			13		8		21		18:30			2		11		13	
06:45			6	22	4	16	10	38	18:45			4	19	9	42	13	61
07:00			7		5		12		19:00			1		3		4	
07:15			5		6		11		19:15			1		10		11	
07:30			6		2		8		19:30			17		4		21	
07:45			4	22	10	23	14	45	19:45			9	28	5	22	14	50
08:00			6		8		14		20:00			6		5		11	
08:15			10		5		15		20:15			3		1		4	
08:30			4		9		13		20:30			2		1		3	
08:45			10	30	10	32	20	62	20:45			1	12	3	10	4	22
09:00			6		11		17		21:00			1		4		5	
09:15			3		3		6		21:15			1		4		5	
09:30			4		4		8		21:30			1		1		2	
09:45			2	15	3	21	5	36	21:45			1	4	2	11	3	15
10:00			3		3		6		22:00			2		4		6	
10:15			3		2		5		22:15			2		4		6	
10:30			2		2		4		22:30			0		2		2	
10:45			2	10	7	14	9	24	22:45			2	6	1	11	3	17
11:00			11		4		15		23:00			1		3		4	
11:15			5		6		11		23:15			2		1		3	
11:30			4		1		5		23:30			0		1		1	
11:45			3	23	7	18	10	41	23:45			0	3	1	6	1	9
TOTALS				133		138		**271**	**TOTALS**				200		239		**439**
SPLIT %				49.1%		50.9%		**38.2%**	**SPLIT %**				45.6%		54.4%		**61.8%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	333	377	710

AM Peak Hour				06:30		08:15		**08:15**	**PM Peak Hour**				19:30		17:45		**17:30**
AM Pk Volume				31		35		**65**	**PM Pk Volume**				35		42		**67**
Pk Hr Factor				0.596		0.795		**0.813**	**Pk Hr Factor**				0.515		0.808		**0.882**
7 - 9 Volume	0	0		52		55		**107**	**4 - 6 Volume**	0	0		48		60		**108**
7 - 9 Peak Hour				08:00		08:00		**08:00**	**4 - 6 Peak Hour**				17:00		17:00		**17:00**
7 - 9 Pk Volume	0	0		30		32		**62**	**4 - 6 Pk Volume**	0	0		28		32		**60**
Pk Hr Factor	0.000	0.000		0.750		0.800		**0.775**	**Pk Hr Factor**	0.000	0.000		0.875		0.800		**0.882**

APPENDIX C

PAGES FROM *CITY OF LOS ANGELES VMT CALCULATOR DOCUMENTATION —VERSION 1.3*

City of Los Angeles VMT Calculator Documentation

Version 1.3

Los Angeles Department of Transportation (LADOT) and
Los Angeles Department of City Planning (DCP)

May 2020

Chapter 3. Base Vehicle Trips and VMT Calculations

The LA VMT calculator has three distinct steps to calculate base vehicle trips and VMT. These steps include:

1. Initial Trip Generation
2. Mixed-use (MXD) Trip Reductions and Travel Demand Model Lookup Values
3. Household VMT per Capita and Work VMT per Employee

3.1 Initial Trip Generation

All land uses utilize the average daily vehicle trip generation rates from the *ITE Trip Generation, 9th Edition* (Institute of Transportation Engineers, 2012) as a starting point[1]. These trip generation rates are shown in **Table 1** (note: this table also shows population or job factors per unit, which is explained further in Section 3.3). The following land uses are exceptions to this rule.

- High-Turnover Restaurants: Use the ITE 932 daily rate of 127.15 trips per thousand square feet for Suburban and Suburban Center TBZs. Urban and Compact Infill TBZs are reduced by one standard deviation (41.77 daily trips) to account for the increased amount of walking, biking, and transit trips in more dense environments.
- General Office: Use the ITE 710 Log Equation Ln(T) = 0.76 Ln(X) + 3.68 for office space above 206KSF and the average rate of 11.03 for office space at or below 206KSF.
- Affordable Housing: Uses a base average daily trip rate depending on the type of affordable housing:
    - Family: 4.16
    - Senior: 1.72
    - Special Needs: 1.49
    - Permanent Supportive 1.23

  These base rates are further reduced using MXD based on surrounding demographics and built environment factors. These rates were determined using observations of 42

[1] The LA VMT Calculator was under development prior to release of the 10th Edition of ITE's trip generation manual in late 2017. The VMT Calculator was validated to LA conditions based on the empirical counts conducted at market rate residential, affordable housing, office, and mixed-use sites in the City, regardless of the source of the rates used as a starting point.

affordable housing sites in the Los Angeles area. More information on the Affordable Housing rates can be found in **Appendix B**.

- Multi-Family Dwelling: Use 2002 Multi Family Trip Rates from the San Diego Association of Governments (SANDAG) of six trips per unit[2]. This Southern California based rate more closely matches rates that were observed in Los Angeles.

Table 1: Land Use and Trip Generation Base Assumptions

Land Use	Unit	ITE Code	Daily Vehicle Trip Rate [A]	Population/ Jobs Per Unit [B]
Single Family Residential	DU	210	9.52	3.15
Multi-Family Residential	DU	NA [C]	6.00	2.25
Townhouse	DU	230	5.81	2.25
Affordable Housing - Family	DU	NA [D]	4.16	3.14
Affordable Housing - Senior	DU	NA [D]	1.72	1.21
Affordable Housing - Special Needs	DU	NA [D]	1.49	1.85
Affordable Housing - Permanent Supportive	DU	NA [D]	1.23	1.12
General Retail	KSF	820	42.70	2.0
Furniture Store	KSF	890	5.06	0.75
Pharmacy/Drugstore	KSF	880	90.06	2.0
Supermarket	KSF	850	102.24	4.0
Bank	KSF	912	148.15	5.0
Health Club	KSF	492	32.93	1.0
High-Turnover Sit-Down Restaurant	KSF	932	127.15 [E]	4.0
Fast-Food Restaurant	KSF	932	127.15 [E]	6.7
Quality Restaurant	KSF	931	89.95	4.0
Auto Repair	KSF	942	26.80	1.0

[2] San Diego Association of Governments, *(Not So) Brief Guide of Vehicular Traffic Generation Rates for the San Diego Region*, April 2002.

Home Improvement Superstore	KSF	862	30.74	2.2
Free-Standing Discount Store	KSF	813	50.75	2.0
General Office	KSF	710	Log Equation [F]	4.0
Medical Office	KSF	720	36.13	3.0
Light Industrial	KSF	110	6.97	1.0
Manufacturing	KSF	140	3.82	0.5
Warehousing/Self-Storage	KSF	151	2.50	0.33
Hotel (including restaurant, facilities, etc.)	Rooms	310	8.17	0.5
Motel	Rooms	320	5.63	0.5
Movie Theater (Theater with Matinee)	Seats	444	0.70	0.02
University	Students	550	1.71	0.25
High School	Students	530	1.71	0.1
Middle School	Students	522	1.62	0.1
Elementary School	Students	520	1.29	0.1
Private School (K-12)	Students	534	2.48	0.15

A: Source: Institute of Transportation Engineers, *Trip Generation, 9th Edition*, 2012, except where otherwise noted.
B: See Section 3.4.
C: Multi-Family uses SANDAG 2002 Multi Family Trip Rates of 6 trips per unit.
D: These rates were determined from vehicle trip counts conducted at 42 affordable housing sites in the City of Los Angeles. Because these local data reflect conditions in Los Angeles more closely than ITE trip rates, the VMT Calculator applies an MXD multiplier to the base rate to improve the MXD model fit for affordable housing uses.
E: Uses the daily ITE 932 rate of 127.15 trips per thousand square feet for Suburban and Suburban Center TBZs. Urban and Compact Infill TBZs are reduced by one standard deviation (41.77 daily trips).
F: General Office uses the ITE 710 Log Equation when office space is of sufficient size (above 206 KSF). When the office space is at or below this size, and the log equation exceeds 11.03 trips per KSF, General Office uses the ITE average rate of 11.03 trips per KSF.

3.2 MXD Reductions

3.2.1 MXD Methodology

The ITE trip generation methodology is primarily based on data collected at suburban, single-use, freestanding sites. These defining characteristics limit ITE's applicability to mixed-use or multi-use development projects, and may not accurately estimate the project vehicle trip generation. In response to the limitations in the ITE methodology, and to provide a straightforward and empirically validated method of estimating vehicle trip generation at mixed-use developments,

3.3 Vehicle Miles Traveled

The VMT Calculator uses trip length information from the TDF Model to calculate vehicle miles traveled. The Calculator divides the trip generation estimates into trip purposes (HBW, home-based other [HBO], and non-home-based [NHB] productions and attractions) using the trip purpose type splits in **Appendix E**. Trip lengths are obtained from the model by trip purpose for both trip productions and attractions for the TAZ in which a project is located. Trip lengths are also obtained and averaged for TAZs within ⅛ mile of the project address. These trip length values are multiplied by the vehicle trip generation by trip purpose and summed to determine total VMT, household VMT, and work VMT for a project.

3.4 Site Specific Population and Employment Assumptions

The City of Los Angeles VMT thresholds were developed based on household VMT per capita and work VMT per employee. Therefore, population and employment estimates are required to convert vehicle trips and VMT to a per capita/employee value. **Table 1** summarizes the population and employment factors utilized in the VMT Calculator to estimate a project's population and employment by land use type.

The population factors for single family households and multi-family households were derived from Census data for the City of Los Angeles[7]. The population factors for affordable housing uses were derived from data regarding the affordable housing sites observed within the City of Los Angeles as part of developing empirical trip generation rates and data from the City. The employment factors were derived from a variety of resources. These include Los Angeles Unified School District floor area per employee data[8], 2012 SANDAG Activity Based Model floor area per employee data, ITE trip generation rates per thousand square feet divided by the trip generation rates per employee, the US Department of Energy, and other modeling resources. A variety of sources were used because the land use categories in the VMT Calculator are generalized. Therefore, the employment rate for a specific land use in the Calculator may refer to an approximation of multiple similar land uses.

[7] United States Census Bureau, ACS 2015, 5-year estimates.
[8] Los Angeles Unified School District, *2012 Developer Fee Justification Study*, February 2012.

APPENDIX D

LADOT VMT CALCULATOR OUTPUT (OFFICE EXAMPLE)

CITY OF LOS ANGELES VMT CALCULATOR Version 1.3

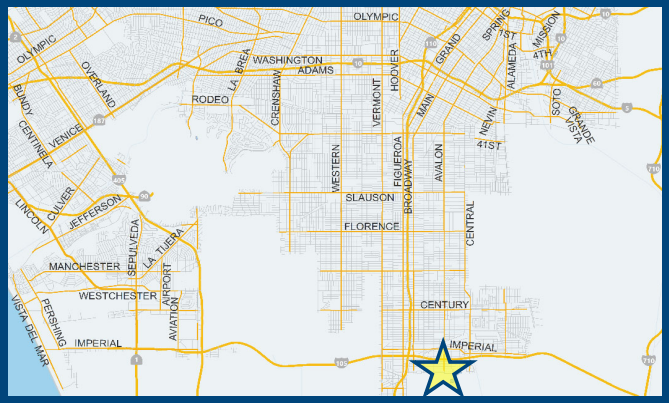
Project Screening Criteria: Is this project required to conduct a vehicle miles traveled analysis?

Project Information

Project: Green Dot Animo Compton

Scenario: Office Example

Address: 11920 S AVALON BLVD, 90061



Is the project replacing an existing number of residential units with a smaller number of residential units AND is located within one-half mile of a fixed-rail or fixed-guideway transit station?

○ Yes ○ No

Existing Land Use

Land Use Type	Value	Unit
Housing | Single Family		DU

☐ Click here to add a single custom land use type (will be included in the above list)

Proposed Project Land Use

Land Use Type	Value	Unit
Office | General Office	15	ksf
Office | General Office	15	ksf

☐ Click here to add a single custom land use type (will be included in the above list)

Project Screening Summary

Existing Land Use	Proposed Project
0 Daily Vehicle Trips	147 Daily Vehicle Trips
0 Daily VMT	1,312 Daily VMT

Tier 1 Screening Criteria

Project will have less residential units compared to existing residential units & is within one-half mile of a fixed-rail station. ☐

Tier 2 Screening Criteria

The net increase in daily trips < 250 trips	147 Net Daily Trips
The net increase in daily VMT ≤ 0	1,312 Net Daily VMT
The proposed project consists of only retail land uses ≤ 50,000 square feet total.	0.000 ksf

The proposed project is not required to perform VMT analysis.

Measuring the Miles

11/17/2021

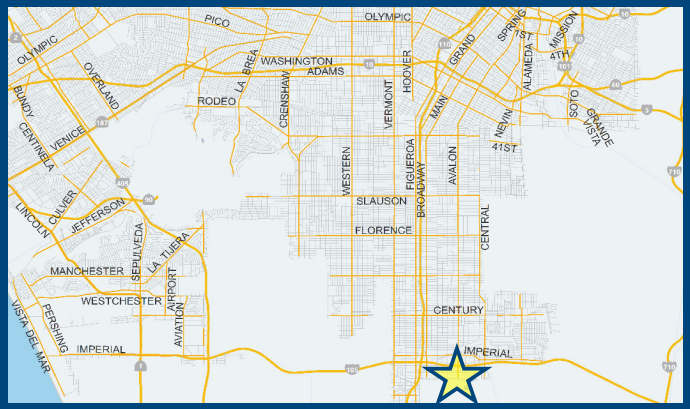
CITY OF LOS ANGELES VMT CALCULATOR Version 1.3

Project Information

Project: Green Dot Animo Compton

Scenario: Office Example

Address: 11920 S AVALON BLVD, 90061



Proposed Project Land Use Type	Value	Unit
Office | General Office	15	ksf

TDM Strategies

Select each section to show individual strategies

Use ☑ to denote if the TDM strategy is part of the proposed project or is a mitigation strategy

	Proposed Project	With Mitigation
Max Home Based TDM Achieved?	**No**	**No**
Max Work Based TDM Achieved?	**No**	**No**

A Parking

Reduce Parking Supply ☐ Proposed Prj ☐ Mitigation
- 100 city code parking provision for the project site
- 74 actual parking provision for the project site

Unbundle Parking ☐ Proposed Prj ☐ Mitigation
- 175 monthly parking cost (dollar) for the project site

Parking Cash-Out ☐ Proposed Prj ☐ Mitigation
- 50 percent of employees eligible

Price Workplace Parking ☐ Proposed Prj ☐ Mitigation
- 6.00 daily parking charge (dollar)
- 50 percent of employees subject to priced parking

Residential Area Parking Permits ☐ Proposed Prj ☐ Mitigation
- 200 cost (dollar) of annual permit

B Transit

C Education & Encouragement

D Commute Trip Reductions

E Shared Mobility

F Bicycle Infrastructure

G Neighborhood Enhancement

Analysis Results

Proposed Project	With Mitigation
147 Daily Vehicle Trips	**147** Daily Vehicle Trips
1,312 Daily VMT	**1,312** Daily VMT
N/A Household VMT per Capita	**N/A** Household VMT per Capita
N/A Work VMT per Employee	**N/A** Work VMT per Employee

Significant VMT Impact?

Proposed Project	With Mitigation
Household: N/A Threshold = 6.0 15% Below APC	**Household: N/A** Threshold = 6.0 15% Below APC
Work: N/A Threshold = 11.6 15% Below APC	**Work: N/A** Threshold = 11.6 15% Below APC

Measuring the Miles

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: November 17, 2021
Project Name: Green Dot Animo Compton
Project Scenario: Office Example
Project Address: 11920 S AVALON BLVD, 90061

Version 1.3

Project Information			
Land Use Type		**Value**	**Units**
Housing	*Single Family*	*0*	*DU*
	Multi Family	*0*	*DU*
	Townhouse	*0*	*DU*
	Hotel	*0*	*Rooms*
	Motel	*0*	*Rooms*
Affordable Housing	*Family*	*0*	*DU*
	Senior	*0*	*DU*
	Special Needs	*0*	*DU*
	Permanent Supportive	*0*	*DU*
Retail	*General Retail*	*0.000*	*ksf*
	Furniture Store	*0.000*	*ksf*
	Pharmacy/Drugstore	*0.000*	*ksf*
	Supermarket	*0.000*	*ksf*
	Bank	*0.000*	*ksf*
	Health Club	*0.000*	*ksf*
	High-Turnover Sit-Down Restaurant	*0.000*	*ksf*
	Fast-Food Restaurant	*0.000*	*ksf*
	Quality Restaurant	*0.000*	*ksf*
	Auto Repair	*0.000*	*ksf*
	Home Improvement	*0.000*	*ksf*
	Free-Standing Discount	*0.000*	*ksf*
	Movie Theater	*0*	*Seats*
Office	General Office	15.000	ksf
	Medical Office	*0.000*	*ksf*
Industrial	*Light Industrial*	*0.000*	*ksf*
	Manufacturing	*0.000*	*ksf*
	Warehousing/Self-Storage	*0.000*	*ksf*
School	*University*	*0*	*Students*
	High School	*0*	*Students*
	Middle School	*0*	*Students*
	Elementary	*0*	*Students*
	Private School (K-12)	*0*	*Students*
Other		*0*	*Trips*

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: November 17, 2021
Project Name: Green Dot Animo Compton
Project Scenario: Office Example
Project Address: 11920 S AVALON BLVD, 90061

Version 1.3

Analysis Results			
Total Employees: N/A Total Population: N/A			
Proposed Project		***With Mitigation***	
147	**Daily Vehicle Trips**	**N/A**	**Daily Vehicle Trips**
N/A	**Daily VMT**	**N/A**	**Daily VMT**
N/A	**Household VMT per Capita**	**N/A**	**Household VMT per Capita**
N/A	**Work VMT per Employee**	**N/A**	**Work VMT per Employee**

Significant VMT Impact?			
APC: South Los Angeles			
Impact Threshold: 15% Below APC Average Household = 6.0 Work = 11.6			
Proposed Project		***With Mitigation***	
VMT Threshold	**Impact**	**VMT Threshold**	**Impact**
Household > 6.0	N/A	Household > 6.0	N/A
Work > 11.6	N/A	Work > 11.6	N/A

TDM Strategy Inputs

Strategy Type		Description	Proposed Project	Mitigations
Parking	*Reduce parking supply*	*City code parking provision (spaces)*	*0*	*0*
		Actual parking provision (spaces)	*0*	*0*
	Unbundle parking	*Monthly cost for parking ($)*	*$0*	*$0*
	Parking cash-out	*Employees eligible (%)*	*0%*	*0%*
	Price workplace parking	*Daily parking charge ($)*	*$0.00*	*$0.00*
		Employees subject to priced parking (%)	*0%*	*0%*
	Residential area parking permits	*Cost of annual permit ($)*	*$0*	*$0*

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Transit	*Reduce transit headways*	*Reduction in headways (increase in frequency) (%)*	*0%*	*0%*
		Existing transit mode share (as a percent of total daily trips) (%)	*0%*	*0%*
		Lines within project site improved (<50%, >=50%)	*0*	*0*
	Implement neighborhood shuttle	*Degree of implementation (low, medium, high)*	*0*	*0*
		Employees and residents eligible (%)	*0%*	*0%*
	Transit subsidies	*Employees and residents eligible (%)*	*0%*	*0%*
		Amount of transit subsidy per passenger (daily equivalent) ($)	*$0.00*	*$0.00*
Education & Encouragement	*Voluntary travel behavior change program*	*Employees and residents participating (%)*	*0%*	*0%*
	Promotions and marketing	*Employees and residents participating (%)*	*0%*	*0%*

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Commute Trip Reductions	*Required commute trip reduction program*	*Employees participating (%)*	*0%*	*0%*
	Alternative Work Schedules and Telecommute	*Employees participating (%)*	*0%*	*0%*
		Type of program	*0*	*0*
	Employer sponsored vanpool or shuttle	*Degree of implementation (low, medium, high)*	*0*	*0*
		Employees eligible (%)	*0%*	*0%*
		Employer size (small, medium, large)	*0*	*0*
	Ride-share program	*Employees eligible (%)*	*0%*	*0%*
Shared Mobility	*Car share*	*Car share project setting (Urban, Suburban, All Other)*	*0*	*0*
	Bike share	*Within 600 feet of existing bike share station - OR- implementing new bike share station (Yes/No)*	*0*	*0*
	School carpool program	*Level of implementation (Low, Medium, High)*	*0*	*0*

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Bicycle Infrastructure	*Implement/Improve on-street bicycle facility*	*Provide bicycle facility along site (Yes/No)*	*0*	*0*
	Include Bike parking per LAMC	*Meets City Bike Parking Code (Yes/No)*	*0*	*0*
	Include secure bike parking and showers	*Includes indoor bike parking/lockers, showers, & repair station (Yes/No)*	*0*	*0*
Neighborhood Enhancement	*Traffic calming improvements*	*Streets with traffic calming improvements (%)*	*0%*	*0%*
		Intersections with traffic calming improvements (%)	*0%*	*0%*
	Pedestrian network improvements	*Included (within project and connecting off-site/within project only)*	*0*	*0*

CITY OF LOS ANGELES VMT CALCULATOR

Report 3: TDM Outputs

Date: November 17, 2021
Project Name: Green Dot Animo Compton
Project Scenario: Office Example
Project Address: 11920 S AVALON BLVD, 90061

Version 1.3

TDM Adjustments by Trip Purpose & Strategy

Place type: Compact Infill

		Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*		*Source*
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Parking	Reduce parking supply	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Parking sections 1 - 5
	Unbundle parking	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Parking cash-out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Price workplace parking	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Residential area parking permits	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Transit	Reduce transit headways	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Transit sections 1 - 3
	Implement neighborhood shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Transit subsidies	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Education & Encouragement	Voluntary travel behavior change program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Education & Encouragement sections 1 - 2
	Promotions and marketing	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Commute Trip Reductions	Required commute trip reduction program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Commute Trip Reductions sections 1 - 4
	Alternative Work Schedules and Telecommute Program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Employer sponsored vanpool or shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Ride-share program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Shared Mobility	Car-share	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	TDM Strategy Appendix, Shared Mobility sections 1 - 3
	Bike share	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	School carpool program	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

TDM Adjustments by Trip Purpose & Strategy, Cont.

Place type: Compact Infill

		Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*		*Source*
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Bicycle Infrastructure	Implement/ Improve on-street bicycle facility	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	TDM Strategy Appendix, Bicycle Infrastructure sections 1 - 3
	Include Bike parking per LAMC	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	
	Include secure bike parking and showers	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	
Neighborhood Enhancement	Traffic calming improvements	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	TDM Strategy Appendix, Neighborhood Enhancement sections 1 - 2
	Pedestrian network improvements	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	

Final Combined & Maximum TDM Effect

	Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*	
	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated
COMBINED TOTAL	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*
MAX. TDM EFFECT	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*

= Minimum (X%, 1-[(1-A)*(1-B)…])

where X%=

PLACE TYPE MAX:	*urban*	*75%*
	compact infill	*40%*
	suburban center	*20%*
	suburban	*15%*

Note: (1-[(1-A)*(1-B)…]) reflects the dampened combined effectiveness of TDM Strategies (e.g., A, B,...). See the TDM Strategy Appendix (*Transportation Assessment Guidelines Attachment G)* for further discussion of dampening.

CITY OF LOS ANGELES VMT CALCULATOR

Report 4: MXD Methodology

Date: November 17, 2021
Project Name: Green Dot Animo Compton
Project Scenario: Office Example
Project Address: 11920 S AVALON BLVD, 90061

Version 1.3

MXD Methodology - Project Without TDM

	Unadjusted Trips	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted VMT	MXD VMT
Home Based Work Production	0	0.0%	0	N/A	N/A	N/A
Home Based Other Production	0	0.0%	0	N/A	N/A	N/A
Non-Home Based Other Production	20	0.0%	20	N/A	N/A	N/A
Home-Based Work Attraction	87	-13.8%	75	N/A	N/A	N/A
Home-Based Other Attraction	39	-17.9%	32	N/A	N/A	N/A
Non-Home Based Other Attraction	20	0.0%	20	N/A	N/A	N/A

MXD Methodology with TDM Measures

	Proposed Project			*Project with Mitigation Measures*		
	TDM Adjustment	Project Trips	Project VMT	TDM Adjustment	Mitigated Trips	Mitigated VMT
Home Based Work Production	N/A	N/A	N/A	N/A	N/A	N/A
Home Based Other Production	N/A	N/A	N/A	N/A	N/A	N/A
Non-Home Based Other Production	N/A	N/A	N/A	N/A	N/A	N/A
Home-Based Work Attraction	N/A	N/A	N/A	N/A	N/A	N/A
Home-Based Other Attraction	N/A	N/A	N/A	N/A	N/A	N/A
Non-Home Based Other Attraction	N/A	N/A	N/A	N/A	N/A	N/A

MXD VMT Methodology Per Capita & Per Employee

Total Population: N/A
Total Employees: N/A
APC: South Los Angeles

	Proposed Project	*Project with Mitigation Measures*
Total Home Based Production VMT	**N/A**	**N/A**
Total Home Based Work Attraction VMT	**N/A**	**N/A**
Total Home Based VMT Per Capita	**N/A**	**N/A**
Total Work Based VMT Per Employee	**N/A**	**N/A**

VMT Calculator User Agreement

The Los Angeles Department of Transportation (LADOT), in partnership with the Department of City Planning and Fehr & Peers, has developed the City of Los Angeles Vehicle Miles Traveled (VMT) Calculator to estimate project-specific daily household VMT per capita and daily work VMT per employee for land use development projects. This application, the VMT Calculator, has been provided to You, the User, to assess vehicle miles traveled (VMT) outcomes of land use projects within the City of Los Angeles. The term "City" as used below shall refer to the City of Los Angeles. The terms "City" and "Fehr & Peers" as used below shall include their respective affiliates, subconsultants, employees, and representatives.

The City is pleased to be able to provide this information to the public. The City believes that the public is most effectively served when they are provided access to the technical tools that inform the public review process of private and public land use investments. However, in using the VMT Calculator, You agree to be bound by this VMT Calculator User Agreement (this Agreement).

VMT Calculator Application for the City of Los Angeles. The City's consultant calibrated the VMT Calculator's parameters in 2018 to estimate travel patterns of locations in the City, and validated those outcomes against empirical data. However, this calibration process is limited to locations within the City, and practitioners applying the VMT Calculator outside of the City boundaries should not apply these estimates without further calibration and validation of travel patterns to verify the VMT Calculator's accuracy in estimating VMT in such other locations.

Limited License to Use. This Agreement gives You a limited, non-transferrable, non-assignable, and non-exclusive license to use and execute a copy of the VMT Calculator on a computer system owned, leased or otherwise controlled by You in Your own facilities, as set out below, provided You do not use the VMT Calculator in an unauthorized manner, and that You do not republish, copy, distribute, reverse-engineer, modify, decompile, disassemble, transfer, or sell any part of the VMT Calculator, and provided that You know and follow the terms of this Agreement. Your failure to follow the terms of this Agreement shall automatically terminate this license and Your right to use the VMT Calculator.

Ownership. You understand and acknowledge that the City owns the VMT Calculator, and shall continue to own it through Your use of it, and that no transfer of ownership of any kind is intended in allowing You to use the VMT Calculator.

Warranty Disclaimer. In spite of the efforts of the City and Fehr & Peers, some information on the VMT Calculator may not be accurate. The VMT Calculator, OUTPUTS AND ASSOCIATED DATA ARE PROVIDED "as is" WITHOUT WARRANTY OF ANY KIND, whether expressed, implied, statutory, or otherwise including but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

Limitation of Liability. It is understood that the VMT Calculator is provided without charge. Neither the City nor Fehr & Peers can be responsible or liable for any information derived from its use, or for any delays, inaccuracies, incompleteness, errors or omissions arising out of your use of the VMT Calculator or with respect to the material contained in the VMT Calculator. You understand and agree that Your sole remedy against the City or Fehr & Peers for loss or damage caused by any defect or failure of the

VMT Calculator, regardless of the form of action, whether in contract, tort, including negligence, strict liability or otherwise, shall be the repair or replacement of the VMT Calculator to the extent feasible as determined solely by the City. In no event shall the City or Fehr & Peers be responsible to You or anyone else for, or have liability for any special, indirect, incidental or consequential damages (including, without limitation, damages for loss of business profits or changes to businesses costs) or lost data or downtime, however caused, and on any theory of liability from the use of, or the inability to use, the VMT Calculator, whether the data, and/or formulas contained in the VMT Calculator are provided by the City or Fehr & Peers, or another third party, even if the City or Fehr & Peers have been advised of the possibility of such damages.

This Agreement and License shall be governed by the laws of the State of California without regard to their conflicts of law provisions, and shall be effective as of the date set forth below and, unless terminated in accordance with the above or extended by written amendment to this Agreement, shall terminate on the earlier of the date that You are not making use of the VMT Calculator or one year after the beginning of Your use of the VMT Calculator.

By using the VMT Calculator, You hereby waive and release all claims, responsibilities, liabilities, actions, damages, costs, and losses, known and unknown, against the City and Fehr & Peers for Your use of the VMT Calculator.

Before making decisions using the information provided in this application, contact City LADOT staff to confirm the validity of the data provided.

Print and sign below, and submit to LADOT along with the transportation assessment Memorandum of Understanding (MOU).

You, the User	
By:	
Print Name:	Jason Shender, AICP
Title:	Transportation Planner III
Company:	Linscott, Law & Greenspan, Engineers
Address:	20931 Burbank Boulevard, Suite C Woodland Hills, CA 91367
Phone:	(818) 835-8648
Email Address:	jshender@llgengineers.com
Date:	11/17/2021

APPENDIX E

LOS ANGELES COUNTY VMT TOOL OUTPUT

COUNTY OF LOS ANGELES VMT TOOL

version 1.0

Project Information

Project Name	Analysis Year
Green Dot Animo Compton	2021

Parcel Number (TAZ# 21521100)

6137032033, 6137017011

Project Land Use Information

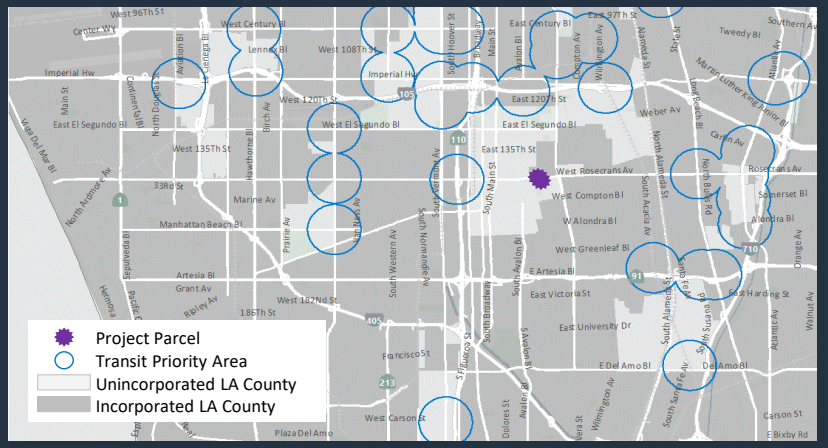
	Values	Unit
Residential - Single-Family Housing		DU
Residential - Multifamily Housing		DU
Residential - Affordable Housing		DU
Office - General Office	15.000	KSF
Office - Medical Office		KSF
Retail - Shopping Center, Restaurant, Services		KSF
Industrial - Warehousing		KSF
Industrial - Light Industrial		KSF
Custom Land Use (ignores all other land use entries)		Daily Trips

Project Daily Trips: 146

Screening Criteria for County of Los Angeles

	Value
Is the project screened in a Transit Priority Area?	No
Is the project's residential land uses 100% affordable housing?	N/A
Is the project's local service retail land uses under 50,000 square foot?	N/A
Does the project generate fewer than 110 daily trips? (enter project land use in the section above)	No

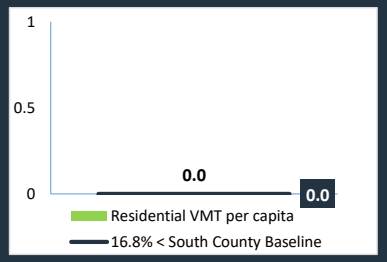
Project Location and VMT Information



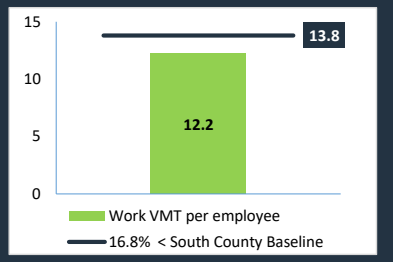
Project Summary Information

South County Residential VMT Baseline (12.1)	16.8%	% Threshold for Screening
South County Work VMT Baseline (16.5)	16.8%	% Threshold for Screening

Residential VMT per capita



Work VMT per employee



The project is not presumed to have a less than significant impact on VMT, therefore a CEQA VMT analysis may be required. Please refer to the Transportation Impact Analysis Guidelines on how to proceed forward.

FEHR & PEERS

County of Los Angeles VMT Tool User Agreement

The Los Angeles County Department of Public Works, with the assistance of its consultant, Fehr & Peers, developed the County of Los Angeles Vehicle Miles Traveled (VMT) Tool to estimate project-specific daily Residential VMT per capita and Work VMT per employee for land-use development projects. This application, the VMT Tool, has been provided to You, the User, to assess VMT outcomes of land-use projects within the County of Los Angeles (County). When the term "County" is used herein as a geographical descriptor, it shall refer to the unincorporated areas of Los Angeles County. In using the VMT Tool, You agree to be bound by all of the terms and provisions of this VMT Tool User Agreement (Agreement).

VMT Tool Application for the County of Los Angeles. The County's consultant calibrated the VMT Tool's parameters in 2020 based on the 2016 SCAG Travel Demand Model. However, this calibration process is limited to locations within the unincorporated areas of the County.

Limited License to Use. This Agreement gives You a limited, non-transferrable, non-assignable, non-exclusive, and revocable license to use and execute a copy of the VMT Tool on a computer system owned, leased, or otherwise controlled by You in Your own facilities, as set out below, provided You do not use the VMT Tool in an unauthorized manner, and that You do not republish, copy, distribute, reverse-engineer, modify, decompile, disassemble, transfer, or sell any part of the VMT Tool, and provided that You understand, agree to, and follow the terms of this Agreement. Your failure to follow any of the terms of this Agreement shall automatically terminate this license and Your right to use the VMT Tool.

Ownership. You understand and acknowledge that the County exclusively owns the VMT Tool, and shall continue to exclusively own it through Your use of it, and that no transfer of ownership of any kind is intended, or occurs, when allowing You to use the VMT Tool.

Warranty Disclaimer. In spite of the efforts of the County and Fehr & Peers, it is possible that some of the information contained in the VMT Tool may not be accurate. The VMT Tool, OUTPUTS AND ASSOCIATED DATA ARE PROVIDED "as is" WITHOUT WARRANTY OF ANY KIND, whether expressed, implied, statutory, or otherwise including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

No Liability. It is understood that the VMT Tool is provided to You without charge. It is further understood and agreed that neither the County nor Fehr & Peers will be responsible or liable in any manner for Your use of, or Your inability to use, the VMT Tool, including, without limitation, for any information derived from its use, for any delays, inaccuracies, incompleteness, errors or omissions, or damages of any kind, arising out of Your use of the VMT Tool or with respect to the material contained in the VMT Tool, including, without limitation, any damage to Your computer, network, or system resulting from receiving, downloading, or using the VMT Tool. By using the VMT Tool, You hereby voluntarily and unconditionally waive and release all claims, responsibilities, liabilities, actions, damages of any kind, costs, and losses, known and unknown, against the County and Fehr & Peers related to or arising from Your use of the VMT Tool, including, without limitation, whether the VMT Tool improperly or incorrectly determined that You are exempt from doing a transportation impact analysis or any other environmental analysis, or made an improper or incorrect environmental review determination. In no

event shall the County or Fehr & Peers be responsible or liable to You or anyone else for, or have liability for any actual, special, direct, indirect, incidental or consequential or any other type or category of damages (including, without limitation, damages for loss of business profits or changes to businesses costs) or lost data or downtime, however caused, and on any theory of liability from the use of, or the inability to use, the VMT Tool, whether the data, and/or formulas contained in the VMT Tool are provided by the County or Fehr & Peers, or another third party, even if the County or Fehr & Peers have been advised of the possibility of such damages. Further, the County has no obligation to provide You with the VMT Tool or to continue to provide You with the VMT Tool in the future. If the County determines for any reason that the VMT Tool should no longer be used, the County may discontinue Your use of the VMT Tool in the County's sole discretion.

Term and Termination. This Agreement and License shall be governed by the laws of the State of California without regard to conflicts of law provisions and shall be effective as of the date set forth below and, unless terminated in accordance with the above or extended by written amendment to this Agreement, shall terminate on the earlier of the date that You are not making use of the VMT Tool or one year after the beginning of Your use of the VMT Tool.

Termination for Convenience. The County may terminate this Agreement (and the User's right to use the VMT Tool), with or without cause, including for the County's convenience, by giving no less than thirty (30) days' written notice thereof to the User.

Print and sign below and submit to Los Angeles County Department of Public Works.

You, the User	
By:	
Print Name:	Jason A. Shender, AICP
Title:	Transportation Planner III
Company:	Linscott, Law & Greenspan, Engineers
Address:	20931 Burbank Boulevard, Suite C Woodland Hills, CA 91367
Phone:	(818) 835-8648
Email Address:	jshender@llgengineers.com
Date:	4/20/2022

APPENDIX F

EXISTING GREEN DOT PUBLIC CHARTER MIDDLE SCHOOL STUDENT ZIP CODE DATA

[39]abbrev	Student_N	grade_leve	zip
CMP	76915	6	90247
CMP	77130	6	90250
CMP	74332	6	90220
CMP	76483	6	90003
CMP	76355	6	90004
CMP	75009	6	90059
CMP	75074	6	90222
CMP	75045	6	90247
CMP	76612	6	90061
CMP	74860	6	90059
CMP	74990	6	90222
CMP	75936	6	90061
CMP	75011	6	90059
CMP	75010	6	90059
CMP	75943	6	90059
CMP	75049	6	90061
CMP	74689	6	90002
CMP	76060	6	90044
CMP	74947	6	90011
CMP	74842	6	90222
CMP	74865	6	90220
CMP	76128	6	90061
CMP	76674	6	90002
CMP	75029	6	90805
CMP	76301	6	90059
CMP	75053	6	90222
CMP	76057	6	90222
CMP	76062	6	90220
CMP	75634	6	90059
CMP	77120	6	90058
CMP	76485	6	90044
CMP	76275	6	90058
CMP	77003	6	90061
CMP	75673	6	90220
CMP	76379	6	90201
CMP	75620	6	90220
CMP	76302	6	90061
CMP	76054	6	90221
CMP	75942	6	90245
CMP	75725	6	90220
CMP	75726	6	90220
CMP	75847	6	90059
CMP	75941	6	90222
CMP	75940	6	90221
CMP	76933	6	90059
CMP	76011	7	90222

CMP	72968	7	90222
CMP	73528	7	90061
CMP	70402	7	90222
CMP	72883	7	90044
CMP	76474	7	90061
CMP	72851	7	90220
CMP	72882	7	90003
CMP	73844	7	90002
CMP	70513	7	90059
CMP	73785	7	90222
CMP	70523	7	90222
CMP	73588	7	90059
CMP	76526	7	90061
CMP	70590	7	90059
CMP	76327	7	90061
CMP	75937	7	90061
CMP	70620	7	90002
CMP	73654	7	90059
CMP	73518	7	90059
CMP	72864	7	90221
CMP	72863	7	90221
CMP	72886	7	90061
CMP	70703	7	90061
CMP	72885	7	90220
CMP	72973	7	90222
CMP	76326	7	90061
CMP	73204	7	90221
CMP	71245	7	90059
CMP	70740	7	90044
CMP	72458	7	90222
CMP	70749	7	90220
CMP	71229	7	90061
CMP	70754	7	90061
CMP	70791	7	90222
CMP	71230	7	90303
CMP	72868	7	90221
CMP	72871	7	90221
CMP	74138	7	90061
CMP	73235	7	90201
CMP	76332	7	90804
CMP	70928	7	90280
CMP	73936	7	90061
CMP	76058	7	90061
CMP	75776	7	90061
CMP	72888	7	90220
CMP	71023	7	90220
CMP	73211	7	90059

CMP	76745	7	90059
CMP	76415	7	90278
CMP	73555	7	90044
CMP	73967	7	93505
CMP	71077	7	90059
CMP	73256	7	90220
CMP	76056	7	90002
CMP	75880	7	90059
CMP	73205	7	90222
CMP	73567	7	90061
CMP	71133	7	90222
CMP	76980	7	90061
CMP	74158	8	90221
CMP	74174	8	90061
CMP	64362	8	90044
CMP	76389	8	90220
CMP	71277	8	90044
CMP	74108	8	90501
CMP	69840	8	90059
CMP	73145	8	90061
CMP	66426	8	90280
CMP	69785	8	90002
CMP	68994	8	90220
CMP	69874	8	90037
CMP	69294	8	90220
CMP	69091	8	90061
CMP	69315	8	90222
CMP	73449	8	90047
CMP	76391	8	90061
CMP	69770	8	90061
CMP	73586	8	90059
CMP	69361	8	90061
CMP	73068	8	90059
CMP	73547	8	90249
CMP	70108	8	90502
CMP	69223	8	90061
CMP	71287	8	90222
CMP	69199	8	90011
CMP	73175	8	90002
CMP	69123	8	90061
CMP	69086	8	90059
CMP	75939	8	90220
CMP	73943	8	90061
CMP	71295	8	90222
CMP	76917	8	90002
CMP	73979	8	90248
CMP	69633	8	90061

CMP	69019	8	90221
CMP	69115	8	90220
CMP	68858	8	90058
CMP	70135	8	90731
CMP	73482	8	90059
CMP	68765	8	90061
CMP	69182	8	90061
CMP	74042	8	90002
CMP	67051	8	90061
CMP	69260	8	90280
CMP	76407	8	90061
CMP	69441	8	90220
CMP	73070	8	90003
CMP	69100	8	90221
CMP	71328	8	90003
CMP	69020	8	90221
CMP	69088	8	90061
CMP	69089	8	90061
CMP	73069	8	90001
CMP	69468	8	90003
CMP	69408	8	90059
CMP	73957	8	90220
CMP	69705	9	90059
CMP	70011	9	90044
CMP	65453	9	90220
CMP	65546	9	90220
CMP	75934	9	90220
CMP	69198	9	90059
CMP	62049	9	90002
CMP	69911	9	90222
CMP	69095	9	90047
CMP	74051	9	90003
CMP	76713	9	90061
CMP	74468	9	90220
CMP	69022	9	90059
CMP	69505	9	90003
CMP	69097	9	90280
CMP	76432	9	90061
CMP	69096	9	90037
CMP	75155	9	90222
CMP	69311	9	90002
CMP	65080	9	90247
CMP	76392	9	90061
CMP	69784	9	90061
CMP	76378	9	90061
CMP	69084	9	90002
CMP	65087	9	90805

CMP	76127	9	90248
CMP	69967	9	90061
CMP	65112	9	90061
CMP	74978	9	90220
CMP	75938	9	90220
CMP	74055	9	90059
CMP	76712	9	90220
CMP	73669	9	90222
CMP	73080	9	90059
CMP	70106	9	90502
CMP	74864	9	90220
CMP	69116	9	90222
CMP	69831	9	90003
CMP	62546	9	90058
CMP	75750	9	90059
CMP	69222	9	90222
CMP	69112	9	90222
CMP	65206	9	90061
CMP	74191	9	90002
CMP	71364	9	90222
CMP	76408	9	90061
CMP	69101	9	90220
CMP	69204	9	90746
CMP	69205	9	90746
CMP	76414	9	90278
CMP	64399	9	90061
CMP	75745	9	90220
CMP	77095	9	90002
CMP	70277	9	90061

APPENDIX G

HCM AND LEVELS OF SERVICE EXPLANATION
HCM DATA WORKSHEETS – WEEKDAY AM AND PM PEAK HOURS
TRAFFIC SIGNAL TIMING SHEETS

LEVEL OF SERVICE FOR SIGNALIZED INTERSECTIONS

In the *Highway Capacity Manual (HCM)*, published by the Transportation Research Board, 2010, level of service for signalized intersections is defined in terms of delay, which is a measure of driver discomfort, frustration, fuel consumption, and increased travel time. The delay experienced by a motorist is made up of a number of factors that relate to control, geometrics, traffic, and incidents. Total delay is the difference between the travel time actually experienced and the reference travel time that would result during base conditions: in the absence of traffic control, in the absence of geometric delay, in the absence of incidents, and when there are no other vehicles on the road. Only the portion of total delay attributed to the control facility is quantified. This delay is called *control delay*. Control delay includes initial deceleration delay, queue move-up time, stopped delay, and final acceleration delay.

Level of Service criteria for traffic signals are stated in terms of the average control delay per vehicle. Delay is a complex measure and is dependent on a number of variables, including the quality of progression, the cycle length, the green ratio, and the *v/c* ratio for the lane group in question.

Level of Service Criteria for Signalized Intersections

Level of Service	Control Delay (Sec/Veh)
A	≤ 10
B	> 10 and ≤ 20
C	> 20 and ≤ 35
D	> 35 and ≤ 55
E	> 55 and ≤ 80
F	> 80

Level of Service (LOS) values are used to describe intersection operations with service levels varying from LOS A (free flow) to LOS F (jammed condition). The following descriptions summarize *HCM* criteria for each level of service:

LOS A describes operations with very low control delay, up to 10 seconds per vehicle. This level of service occurs when progression is extremely favorable and most vehicles arrive during the green phase. Most vehicles do not stop at all. Short cycle lengths may also contribute to low delay values.

LOS B describes operations with control delay greater than 10 and up to 20 seconds per vehicle. This level generally occurs with good progression, short cycle lengths, or both. More vehicles stop than with LOS A, causing higher levels of delay.

LOS C describes operations with control delay greater than 20 and up to 35 seconds per vehicle. These higher delays may result from fair progression, longer cycle lengths, or both. Individual cycle failures may begin to appear at this level. The number of vehicles stopping is significant at this level, though many still pass through the intersection without stopping.

LOS D describes operations with control delay greater than 35 and up to 55 seconds per vehicle. At LOS D, the influence of congestion becomes more noticeable. Longer delays may result from some combination of unfavorable progression, long cycle lengths, or high *v/c* ratios. Many vehicles stop, and the proportion of vehicles not stopping declines. Individual cycle failures are noticeable.

LOS E describes operations with control delay greater than 55 and up to 80 seconds per vehicle. This level is considered by many agencies to be the limit of acceptable delay. These high delay values generally indicate poor progression, long cycle lengths, and high *v/c* ratios. Individual cycle failures are frequent occurrences.

LOS F describes operations with control delay in excess of 80 seconds per vehicle. This level, considered to be unacceptable to most drivers, often occurs with oversaturation, that is, when arrival flow rates exceed the capacity of the lane groups. It may also occur at high *v/c* ratios with many individual cycle failures. Poor progression and long cycle lengths may also be major contributing factors to such delay levels.

LEVEL OF SERVICE FOR UNSIGNALIZED INTERSECTIONS

In the *Highway Capacity Manual (HCM)*, published by the Transportation Research Board, 2010, level of service for unsignalized intersections is defined in terms of delay, which is a measure of driver discomfort, frustration, fuel consumption, and lost travel time. The delay experienced by a motorist is made up of a number of factors that relate to control, geometrics, traffic, and incidents. Total delay is the difference between the travel time actually experienced and the reference travel time that would result during base conditions, in the absence of incidents, control, traffic, or geometric delay. Only the portion of total delay attributed to the traffic control measures, either traffic signals or stop signs, is quantified. This delay is called *control delay*. Control delay includes initial deceleration delay, queue move-up time, stopped delay, and final acceleration delay.

Level of Service criteria for unsignalized intersections are stated in terms of the average control delay per vehicle. The level of service is determined by the computed or measured control delay and is defined for each minor movement. Average control delay for any particular minor movement is a function of the service time for the approach and the degree of utilization. (Level of service is not defined for the intersection as a whole for two-way stop controlled intersections.)

Level of Service Criteria for TWSC/AWSC Intersections

Level of Service	Average Control Delay (Sec/Veh)
A	≤ 10
B	> 10 and ≤ 15
C	> 15 and ≤ 25
D	> 25 and ≤ 35
E	> 35 and ≤ 50
F	> 50

Level of Service (LOS) values are used to describe intersection operations with service levels varying from LOS A (free flow) to LOS F (jammed condition). The following descriptions summarize *HCM* criteria for each level of service:

LOS A describes operations with very low control delay, up to 10 seconds per vehicle.

LOS B describes operations with control delay greater than 10 and up to 15 seconds per vehicle.

LOS C describes operations with control delay greater than 15 and up to 25 seconds per vehicle.

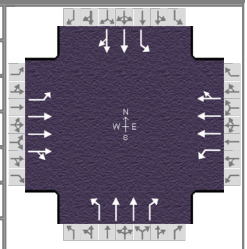
LOS D describes operations with control delay greater than 25 and up to 35 seconds per vehicle.

LOS E describes operations with control delay greater than 35 and up to 50 seconds per vehicle.

LOS F describes operations with control delay in excess of 50 seconds per vehicle. For two-way stop controlled intersections, LOS F exists when there are insufficient gaps of suitable size to allow side-street demand to safely cross through a major-street traffic stream. This level of service is generally evident from extremely long control delays experienced by side-street traffic and by queuing on the minor-street approaches.

HCS7 Signalized Intersection Results Summary

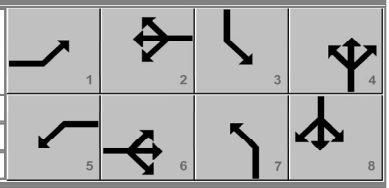
General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Mar 21, 2022	Area Type	Other
Jurisdiction	County of Los Angeles	Time Period	Existing - AM	PHF	0.92
Urban Street	Rosecrans Avenue	Analysis Year	2021	Analysis Period	1> 7:30
Intersection	Avalon / Rosecrans	File Name	01AM - Existing.xus		
Project Description	Green Dot Animo Compton				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	61	423	63	151	1113	156	99	494	96	151	580	89

Signal Information			
Cycle, s	120.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On

Green	15.0	35.5	15.5	33.0	0.0	0.0
Yellow	3.5	5.0	3.0	5.0	0.0	0.0
Red	1.0	0.5	1.0	2.0	0.0	0.0



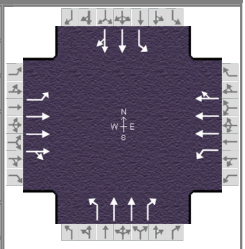
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	7	4	3	8
Case Number	1.1	4.0	1.1	4.0	1.1	3.0	1.1	4.0
Phase Duration, s	19.5	41.0	19.5	41.0	19.5	40.0	19.5	40.0
Change Period, ($Y+R_c$), s	4.5	5.5	4.5	5.5	4.0	7.0	4.0	7.0
Max Allow Headway (*MAH*), s	3.1	0.0	3.1	0.0	3.1	3.0	3.1	3.0
Queue Clearance Time (g_s), s	4.6		8.9		6.5	17.2	9.1	23.2
Green Extension Time (g_e), s	0.1	0.0	0.1	0.0	0.1	2.7	0.1	2.4
Phase Call Probability	1.00		1.00		1.00	1.00	1.00	1.00
Max Out Probability	0.00		0.03		0.00	0.03	0.02	0.16

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	66	357	171	164	940	439	108	537	104	164	372	355
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1810	1900	1772	1810	1900	1777	1810	1809	1610	1810	1900	1811
Queue Service Time (g_s), s	2.6	8.8	9.0	6.9	27.8	27.8	4.5	15.2	6.0	7.1	21.2	21.2
Cycle Queue Clearance Time (g_c), s	2.6	8.8	9.0	6.9	27.8	27.8	4.5	15.2	6.0	7.1	21.2	21.2
Green Ratio (*g/C*)	0.42	0.30	0.30	0.42	0.30	0.30	0.40	0.28	0.28	0.40	0.28	0.28
Capacity (*c*), veh/h	305	1124	524	467	1124	526	354	995	443	410	523	498
Volume-to-Capacity Ratio (*X*)	0.217	0.318	0.327	0.351	0.836	0.836	0.304	0.540	0.236	0.400	0.711	0.714
Back of Queue (*Q*), ft/ln (95 th percentile)	49.7	183.7	182.5	130.2	494.7	500	85.5	270.6	105	135	385.5	372.5
Back of Queue (*Q*), veh/ln (95 th percentile)	2.0	7.3	7.3	5.2	19.8	20.0	3.4	10.8	4.2	5.4	15.4	14.9
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d_1), s/veh	25.3	32.8	32.9	22.8	39.5	39.5	25.3	37.0	33.7	24.9	39.2	39.2
Incremental Delay (d_2), s/veh	0.1	0.7	1.7	0.2	7.4	14.6	0.2	0.3	0.1	0.2	3.9	4.1
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (*d*), s/veh	25.5	33.6	34.6	22.9	46.9	54.1	25.5	37.4	33.8	25.2	43.1	43.4
Level of Service (LOS)	C	C	C	C	D	D	C	D	C	C	D	D
Approach Delay, s/veh / LOS	33.0	C		46.4	D		35.2	D		39.9	D	
Intersection Delay, s/veh / LOS	40.5						D					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.45	B	2.29	B	2.59	C	2.59	C
Bicycle LOS Score / LOS	0.81	A	1.34	A	1.11	A	1.22	A

HCS7 Signalized Intersection Results Summary

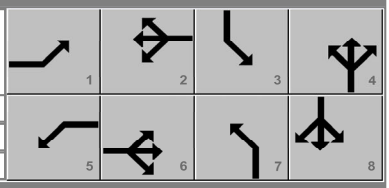
General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Apr 1, 2022	Area Type	Other
Jurisdiction	County of Los Angeles	Time Period	Future Cumulative with Project - AM	PHF	0.92
Urban Street	Rosecrans Avenue	Analysis Year	2023	Analysis Period	1> 7:30
Intersection	Avalon / Rosecrans	File Name	01AM - Future Cumulative with Project.xus		
Project Description	Green Dot Animo Compton				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	80	467	64	169	1183	164	101	518	107	166	597	97

Signal Information			
Cycle, s	120.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On

Green	15.0	35.5	15.5	33.0	0.0	0.0
Yellow	3.5	5.0	3.0	5.0	0.0	0.0
Red	1.0	0.5	1.0	2.0	0.0	0.0



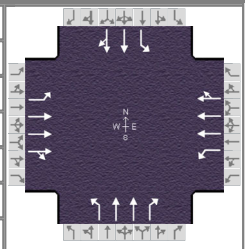
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	7	4	3	8
Case Number	1.1	4.0	1.1	4.0	1.1	3.0	1.1	4.0
Phase Duration, s	19.5	41.0	19.5	41.0	19.5	40.0	19.5	40.0
Change Period, ($Y+R_c$), s	4.5	5.5	4.5	5.5	4.0	7.0	4.0	7.0
Max Allow Headway (*MAH*), s	3.1	0.0	3.1	0.0	3.1	3.0	3.1	3.0
Queue Clearance Time (g_s), s	5.5		9.9		6.6	18.0	9.9	24.3
Green Extension Time (g_e), s	0.1	0.0	0.1	0.0	0.1	2.9	0.1	2.4
Phase Call Probability	1.00		1.00		1.00	1.00	1.00	1.00
Max Out Probability	0.00		0.11		0.00	0.05	0.07	0.23

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	87	390	187	184	997	467	110	563	116	180	386	368
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1810	1900	1781	1810	1900	1778	1810	1809	1610	1810	1900	1807
Queue Service Time (g_s), s	3.5	9.7	9.9	7.9	30.1	30.1	4.6	16.0	6.8	7.9	22.2	22.3
Cycle Queue Clearance Time (g_c), s	3.5	9.7	9.9	7.9	30.1	30.1	4.6	16.0	6.8	7.9	22.2	22.3
Green Ratio (*g/C*)	0.42	0.30	0.30	0.42	0.30	0.30	0.40	0.28	0.28	0.40	0.28	0.28
Capacity (*c*), veh/h	297	1124	527	453	1124	526	346	995	443	401	523	497
Volume-to-Capacity Ratio (*X*)	0.293	0.347	0.355	0.405	0.887	0.887	0.317	0.566	0.263	0.450	0.739	0.741
Back of Queue (*Q*), ft/ln (95 th percentile)	66.1	199.4	198.9	147.5	541.4	551.5	87.4	283.8	118.1	149.9	404.8	390
Back of Queue (*Q*), veh/ln (95 th percentile)	2.6	8.0	8.0	5.9	21.7	22.1	3.5	11.4	4.7	6.0	16.2	15.6
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d_1), s/veh	26.2	33.2	33.2	23.2	40.3	40.3	25.6	37.4	34.0	25.4	39.6	39.6
Incremental Delay (d_2), s/veh	0.2	0.8	1.9	0.2	10.5	19.5	0.2	0.5	0.1	0.3	4.9	5.2
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (*d*), s/veh	26.4	34.0	35.1	23.4	50.8	59.8	25.8	37.8	34.1	25.7	44.5	44.8
Level of Service (LOS)	C	C	D	C	D	E	C	D	C	C	D	D
Approach Delay, s/veh / LOS	33.3	C		50.3	D		35.6	D		41.0	D	
Intersection Delay, s/veh / LOS	42.5						D					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.45	B	2.29	B	2.59	C	2.59	C
Bicycle LOS Score / LOS	0.85	A	1.39	A	1.14	A	1.26	A

HCS7 Signalized Intersection Results Summary

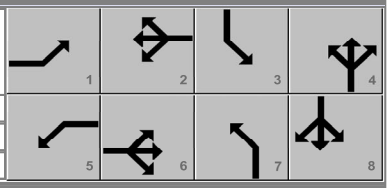
General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Mar 21, 2022	Area Type	Other
Jurisdiction	County of Los Angeles	Time Period	Existing - PM	PHF	0.96
Urban Street	Rosecrans Avenue	Analysis Year	2021	Analysis Period	1> 16:30
Intersection	Avalon / Rosecrans	File Name	01PM - Existing.xus		
Project Description	Green Dot Animo Compton				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	138	1326	100	116	536	137	83	681	183	196	481	69

Signal Information			
Cycle, s	120.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On

Green	15.0	35.5	15.5	33.0	0.0	0.0
Yellow	3.5	5.0	3.0	5.0	0.0	0.0
Red	1.0	0.5	1.0	2.0	0.0	0.0



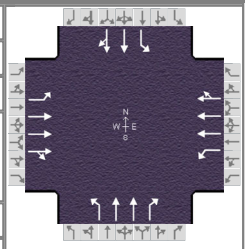
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	7	4	3	8
Case Number	1.1	4.0	1.1	4.0	1.1	3.0	1.1	4.0
Phase Duration, s	19.5	41.0	19.5	41.0	19.5	40.0	19.5	40.0
Change Period, ($Y+R_c$), s	4.5	5.5	4.5	5.5	4.0	7.0	4.0	7.0
Max Allow Headway (*MAH*), s	3.1	0.0	3.1	0.0	3.1	3.0	3.1	3.0
Queue Clearance Time (g_s), s	8.0		7.0		5.6	23.2	11.1	17.9
Green Extension Time (g_e), s	0.1	0.0	0.1	0.0	0.1	2.7	0.1	3.0
Phase Call Probability	1.00		1.00		1.00	1.00	1.00	1.00
Max Out Probability	0.01		0.00		0.00	0.19	0.26	0.05

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	144	1003	483	121	480	221	86	709	191	204	292	281
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1810	1900	1829	1810	1900	1702	1810	1809	1610	1810	1900	1816
Queue Service Time (g_s), s	6.0	30.3	30.3	5.0	12.2	12.6	3.6	21.2	11.7	9.1	15.8	15.9
Cycle Queue Clearance Time (g_c), s	6.0	30.3	30.3	5.0	12.2	12.6	3.6	21.2	11.7	9.1	15.8	15.9
Green Ratio (*g/C*)	0.42	0.30	0.30	0.42	0.30	0.30	0.40	0.28	0.28	0.40	0.28	0.28
Capacity (*c*), veh/h	418	1124	541	296	1124	504	401	995	443	355	523	500
Volume-to-Capacity Ratio (*X*)	0.344	0.892	0.892	0.408	0.427	0.439	0.216	0.713	0.431	0.575	0.559	0.563
Back of Queue (*Q*), ft/ln (95 th percentile)	112.7	545.7	568.1	94	240.5	233.8	67.7	363	200.6	177.1	293	284.9
Back of Queue (*Q*), veh/ln (95 th percentile)	4.5	21.8	22.7	3.8	9.6	9.4	2.7	14.5	8.0	7.1	11.7	11.4
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d_1), s/veh	23.0	40.4	40.4	26.7	34.1	34.2	23.9	39.2	35.8	27.1	37.3	37.3
Incremental Delay (d_2), s/veh	0.2	10.8	19.6	0.3	1.2	2.8	0.1	2.1	0.2	1.5	0.8	0.9
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (*d*), s/veh	23.1	51.2	60.0	27.0	35.2	37.0	24.0	41.3	36.0	28.6	38.1	38.2
Level of Service (LOS)	C	D	E	C	D	D	C	D	D	C	D	D
Approach Delay, s/veh / LOS	51.4	D		34.5	C		38.8	D		35.6	D	
Intersection Delay, s/veh / LOS	42.2						D					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.45	B	2.29	B	2.59	C	2.59	C
Bicycle LOS Score / LOS	1.38	A	0.94	A	1.30	A	1.13	A

HCS7 Signalized Intersection Results Summary

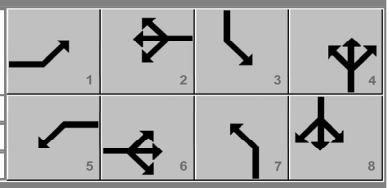
General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Apr 1, 2022	Area Type	Other
Jurisdiction	County of Los Angeles	Time Period	Future Cumulative with Project - PM	PHF	0.96
Urban Street	Rosecrans Avenue	Analysis Year	2023	Analysis Period	1> 16:30
Intersection	Avalon / Rosecrans	File Name	01PM - Future Cumulative with Project.xus		
Project Description	Green Dot Animo Compton				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	152	1368	102	122	564	144	85	705	188	202	495	71

Signal Information			
Cycle, s	120.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On

Green	15.0	35.5	15.5	33.0	0.0	0.0
Yellow	3.5	5.0	3.0	5.0	0.0	0.0
Red	1.0	0.5	1.0	2.0	0.0	0.0



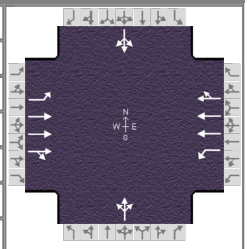
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	7	4	3	8
Case Number	1.1	4.0	1.1	4.0	1.1	3.0	1.1	4.0
Phase Duration, s	19.5	41.0	19.5	41.0	19.5	40.0	19.5	40.0
Change Period, ($Y+R_c$), s	4.5	5.5	4.5	5.5	4.0	7.0	4.0	7.0
Max Allow Headway (*MAH*), s	3.1	0.0	3.1	0.0	3.1	3.0	3.1	3.0
Queue Clearance Time (g_s), s	8.7		7.2		5.7	24.2	11.4	18.5
Green Extension Time (g_e), s	0.1	0.0	0.1	0.0	0.1	2.6	0.1	3.1
Phase Call Probability	1.00		1.00		1.00	1.00	1.00	1.00
Max Out Probability	0.02		0.00		0.00	0.25	0.36	0.06

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	158	1034	498	127	505	232	89	734	196	210	300	289
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1810	1900	1830	1810	1900	1702	1810	1809	1610	1810	1900	1816
Queue Service Time (g_s), s	6.7	31.6	31.6	5.2	13.0	13.4	3.7	22.2	12.0	9.4	16.3	16.5
Cycle Queue Clearance Time (g_c), s	6.7	31.6	31.6	5.2	13.0	13.4	3.7	22.2	12.0	9.4	16.3	16.5
Green Ratio (*g/C*)	0.42	0.30	0.30	0.42	0.30	0.30	0.40	0.28	0.28	0.40	0.28	0.28
Capacity (*c*), veh/h	409	1124	541	292	1124	504	395	995	443	348	523	500
Volume-to-Capacity Ratio (*X*)	0.387	0.919	0.919	0.436	0.449	0.461	0.224	0.738	0.442	0.605	0.575	0.579
Back of Queue (*Q*), ft/ln (95 th percentile)	125.2	574.6	601.2	99.2	252.8	244.7	69.5	378.2	205.4	185.8	301.9	293.6
Back of Queue (*Q*), veh/ln (95 th percentile)	5.0	23.0	24.0	4.0	10.1	9.8	2.8	15.1	8.2	7.4	12.1	11.7
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d_1), s/veh	23.3	40.9	40.9	26.9	34.3	34.5	24.0	39.6	35.9	27.5	37.5	37.5
Incremental Delay (d_2), s/veh	0.2	13.3	23.2	0.4	1.3	3.0	0.1	2.6	0.3	2.1	1.0	1.1
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (*d*), s/veh	23.5	54.2	64.0	27.2	35.6	37.5	24.1	42.2	36.2	29.6	38.5	38.6
Level of Service (LOS)	C	D	E	C	D	D	C	D	D	C	D	D
Approach Delay, s/veh / LOS	54.2	D		34.9	C		39.4	D		36.2	D	
Intersection Delay, s/veh / LOS	43.7						D					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.45	B	2.29	B	2.59	C	2.59	C
Bicycle LOS Score / LOS	1.42	A	0.96	A	1.33	A	1.15	A

HCS7 Signalized Intersection Results Summary

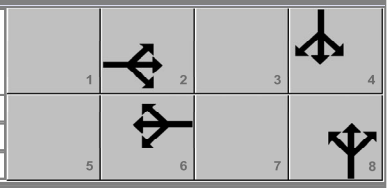
General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Feb 16, 2022	Area Type	Other
Jurisdiction	County of Los Angeles	Time Period	Existing - AM	PHF	0.94
Urban Street	Rosecrans Avenue	Analysis Year	2021	Analysis Period	1> 7:15
Intersection	Stanford / Rosecrans	File Name	02AM - Existing.xus		
Project Description	Green Dot Animo Compton				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	9	563	33	54	1241	10	25	3	43	4	4	8

Signal Information			
Cycle, s	90.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On

Green	71.4	7.6	0.0	0.0	0.0	0.0
Yellow	5.0	4.5	0.0	0.0	0.0	0.0
Red	0.5	1.0	0.0	0.0	0.0	0.0



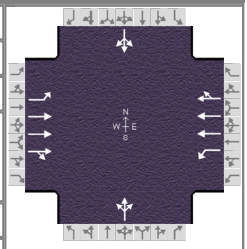
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		2		6		8		4
Case Number		6.0		6.0		8.0		8.0
Phase Duration, s		76.9		76.9		13.1		13.1
Change Period, ($Y+R_c$), s		5.5		5.5		5.5		5.5
Max Allow Headway (*MAH*), s		0.0		0.0		4.3		4.3
Queue Clearance Time (g_s), s						6.0		2.8
Green Extension Time (g_e), s		0.0		0.0		0.3		0.3
Phase Call Probability						0.85		0.35
Max Out Probability						0.00		0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	5	2	12	1	6	16	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	10	426	208	57	889	442		76			17	
Adjusted Saturation Flow Rate (*s*), veh/h/ln	418	1900	1844	806	1900	1892		1590			1677	
Queue Service Time (g_s), s	0.6	2.4	2.4	1.6	5.7	5.7		2.1			0.0	
Cycle Queue Clearance Time (g_c), s	6.3	2.4	2.4	4.0	5.7	5.7		4.0			0.8	
Green Ratio (*g/C*)	0.79	0.79	0.79	0.79	0.79	0.79		0.08			0.08	
Capacity (*c*), veh/h	385	3013	1462	698	3013	1500		189			192	
Volume-to-Capacity Ratio (*X*)	0.025	0.141	0.143	0.082	0.295	0.295		0.400			0.089	
Back of Queue (*Q*), ft/ln (95 th percentile)	2.1	21.5	23.3	8.9	52.5	57.5		73.7			16.1	
Back of Queue (*Q*), veh/ln (95 th percentile)	0.1	0.9	0.9	0.4	2.1	2.3		2.9			0.6	
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00		0.00			0.00	
Uniform Delay (d_1), s/veh	3.4	2.2	2.2	2.6	2.5	2.5		39.5			38.1	
Incremental Delay (d_2), s/veh	0.1	0.1	0.2	0.2	0.2	0.5		1.4			0.2	
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0		0.0			0.0	
Control Delay (*d*), s/veh	3.5	2.3	2.4	2.9	2.8	3.0		40.8			38.3	
Level of Service (LOS)	A	A	A	A	A	A		D			D	
Approach Delay, s/veh / LOS	2.3	A		2.9	A		40.8	D		38.3	D	
Intersection Delay, s/veh / LOS	4.3						A					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	1.60	B	1.60	B	2.60	C	2.60	C
Bicycle LOS Score / LOS	0.84	A	1.25	A	0.61	A	0.52	A

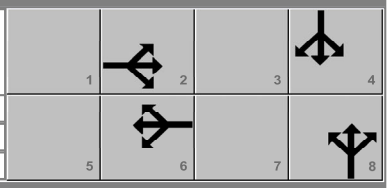
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Apr 1, 2022	Area Type	Other
Jurisdiction	County of Los Angeles	Time Period	Future Cumulative with Project - AM	PHF	0.94
Urban Street	Rosecrans Avenue	Analysis Year	2023	Analysis Period	1> 7:15
Intersection	Stanford / Rosecrans	File Name	02AM - Future Cumulative with Project.xus		
Project Description	Green Dot Animo Compton				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	9	619	45	76	1325	12	34	3	70	7	4	8

Signal Information			
Cycle, s	90.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On

							
Green	70.5	8.5	0.0	0.0	0.0	0.0	
Yellow	5.0	4.5	0.0	0.0	0.0	0.0	
Red	0.5	1.0	0.0	0.0	0.0	0.0	

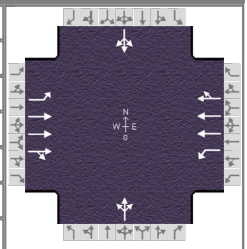
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		2		6		8		4
Case Number		6.0		6.0		8.0		8.0
Phase Duration, s		76.0		76.0		14.0		14.0
Change Period, ($Y+R_c$), s		5.5		5.5		5.5		5.5
Max Allow Headway (*MAH*), s		0.0		0.0		4.3		4.3
Queue Clearance Time (g_s), s						8.3		2.9
Green Extension Time (g_e), s		0.0		0.0		0.4		0.4
Phase Call Probability						0.94		0.40
Max Out Probability						0.00		0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	5	2	12	1	6	16	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	10	475	231	81	950	473		114			20	
Adjusted Saturation Flow Rate (*s*), veh/h/ln	383	1900	1832	753	1900	1891		1583			1662	
Queue Service Time (g_s), s	0.7	2.8	2.8	2.7	6.5	6.5		4.5			0.0	
Cycle Queue Clearance Time (g_c), s	7.2	2.8	2.8	5.5	6.5	6.5		6.3			0.9	
Green Ratio (*g/C*)	0.78	0.78	0.78	0.78	0.78	0.78		0.09			0.09	
Capacity (*c*), veh/h	352	2978	1435	647	2978	1482		202			211	
Volume-to-Capacity Ratio (*X*)	0.027	0.160	0.161	0.125	0.319	0.319		0.564			0.096	
Back of Queue (*Q*), ft/ln (95 th percentile)	2.3	27.4	28.9	14.9	64	69		113.9			18.9	
Back of Queue (*Q*), veh/ln (95 th percentile)	0.1	1.1	1.2	0.6	2.6	2.8		4.6			0.8	
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00		0.00			0.00	
Uniform Delay (d_1), s/veh	3.8	2.4	2.4	3.1	2.8	2.8		39.7			37.3	
Incremental Delay (d_2), s/veh	0.1	0.1	0.2	0.4	0.3	0.6		2.5			0.2	
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0		0.0			0.0	
Control Delay (*d*), s/veh	4.0	2.5	2.7	3.5	3.1	3.4		42.2			37.5	
Level of Service (LOS)	A	A	A	A	A	A		D			D	
Approach Delay, s/veh / LOS	2.6	A		3.2	A		42.2	D		37.5	D	
Intersection Delay, s/veh / LOS	5.2						A					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	1.60	B	1.60	B	2.60	C	2.60	C
Bicycle LOS Score / LOS	0.88	A	1.31	A	0.68	A	0.52	A

HCS7 Signalized Intersection Results Summary

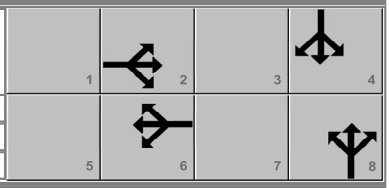
General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Feb 16, 2022	Area Type	Other
Jurisdiction	County of Los Angeles	Time Period	Existing - PM	PHF	0.94
Urban Street	Rosecrans Avenue	Analysis Year	2021	Analysis Period	1> 16:15
Intersection	Stanford / Rosecrans	File Name	02PM - Existing.xus		
Project Description	Green Dot Animo Compton				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	5	1605	36	40	761	3	27	4	50	16	3	11

Signal Information			
Cycle, s	90.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On

Green	49.5	29.5	0.0	0.0	0.0	0.0
Yellow	5.0	4.5	0.0	0.0	0.0	0.0
Red	0.5	1.0	0.0	0.0	0.0	0.0



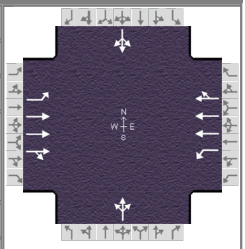
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		2		6		8		4
Case Number		6.0		6.0		8.0		8.0
Phase Duration, s		55.0		55.0		35.0		35.0
Change Period, ($Y+R_c$), s		5.5		5.5		5.5		5.5
Max Allow Headway (*MAH*), s		0.0		0.0		4.3		4.3
Queue Clearance Time (g_s), s						5.2		3.1
Green Extension Time (g_e), s		0.0		0.0		0.4		0.4
Phase Call Probability						1.00		1.00
Max Out Probability						0.00		0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	5	2	12	1	6	16	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	5	1168	577	43	542	271		86			32	
Adjusted Saturation Flow Rate (*s*), veh/h/ln	682	1900	1878	280	1900	1896		1574			1513	
Queue Service Time (g_s), s	0.4	18.0	18.0	10.5	6.7	6.7		0.0			0.0	
Cycle Queue Clearance Time (g_c), s	7.1	18.0	18.0	28.5	6.7	6.7		3.2			1.1	
Green Ratio (*g/C*)	0.55	0.55	0.55	0.55	0.55	0.55		0.33			0.33	
Capacity (*c*), veh/h	404	2090	1033	178	2090	1043		569			557	
Volume-to-Capacity Ratio (*X*)	0.013	0.559	0.559	0.239	0.259	0.260		0.151			0.057	
Back of Queue (*Q*), ft/ln (95 th percentile)	2.7	282.4	290.2	36.1	116.1	120.2		56.9			21	
Back of Queue (*Q*), veh/ln (95 th percentile)	0.1	11.3	11.6	1.4	4.6	4.8		2.3			0.8	
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00		0.00			0.00	
Uniform Delay (d_1), s/veh	12.5	13.2	13.2	22.4	10.6	10.6		21.4			20.7	
Incremental Delay (d_2), s/veh	0.1	1.1	2.2	3.1	0.3	0.6		0.1			0.0	
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0		0.0			0.0	
Control Delay (*d*), s/veh	12.6	14.2	15.3	25.6	10.9	11.2		21.5			20.7	
Level of Service (LOS)	B	B	B	C	B	B		C			C	
Approach Delay, s/veh / LOS	14.6	B		11.8	B		21.5	C		20.7	C	
Intersection Delay, s/veh / LOS	14.0						B					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	1.71	B	1.71	B	2.59	C	2.59	C
Bicycle LOS Score / LOS	1.45	A	0.96	A	0.63	A	0.54	A

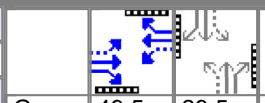
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Apr 1, 2022	Area Type	Other
Jurisdiction	County of Los Angeles	Time Period	Future Cumulative with Project - PM	PHF	0.94
Urban Street	Rosecrans Avenue	Analysis Year	2023	Analysis Period	1> 16:15
Intersection	Stanford / Rosecrans	File Name	02PM - Future Cumulative with Project.xus		
Project Description	Green Dot Animo Compton				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	5	1646	46	53	796	3	33	4	57	16	3	11

Signal Information			
Cycle, s	90.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On



							1	2	3	4
Green	49.5	29.5	0.0	0.0	0.0	0.0	5	6	7	8
Yellow	5.0	4.5	0.0	0.0	0.0	0.0				
Red	0.5	1.0	0.0	0.0	0.0	0.0				

Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		2		6		8		4
Case Number		6.0		6.0		8.0		8.0
Phase Duration, s		55.0		55.0		35.0		35.0
Change Period, ($Y+R_c$), s		5.5		5.5		5.5		5.5
Max Allow Headway (*MAH*), s		0.0		0.0		4.3		4.3
Queue Clearance Time (g_s), s						5.8		3.1
Green Extension Time (g_e), s		0.0		0.0		0.4		0.4
Phase Call Probability						1.00		1.00
Max Out Probability						0.00		0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	5	2	12	1	6	16	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	5	1206	594	56	567	283		100			32	
Adjusted Saturation Flow Rate (*s*), veh/h/ln	659	1900	1872	266	1900	1896		1568			1509	
Queue Service Time (g_s), s	0.4	18.8	18.8	16.0	7.1	7.1		0.1			0.0	
Cycle Queue Clearance Time (g_c), s	7.5	18.8	18.8	34.8	7.1	7.1		3.8			1.1	
Green Ratio (*g/C*)	0.55	0.55	0.55	0.55	0.55	0.55		0.33			0.33	
Capacity (*c*), veh/h	390	2090	1030	171	2090	1043		568			556	
Volume-to-Capacity Ratio (*X*)	0.014	0.577	0.577	0.331	0.271	0.271		0.176			0.057	
Back of Queue (*Q*), ft/ln (95 th percentile)	2.7	293.4	301.2	53.3	122.5	126.9		66.4			21	
Back of Queue (*Q*), veh/ln (95 th percentile)	0.1	11.7	12.0	2.1	4.9	5.1		2.7			0.8	
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00		0.00			0.00	
Uniform Delay (d_1), s/veh	12.7	13.3	13.4	24.8	10.7	10.7		21.6			20.7	
Incremental Delay (d_2), s/veh	0.1	1.2	2.4	5.1	0.3	0.6		0.1			0.0	
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0		0.0			0.0	
Control Delay (*d*), s/veh	12.8	14.5	15.7	30.0	11.0	11.4		21.7			20.7	
Level of Service (LOS)	B	B	B	C	B	B		C			C	
Approach Delay, s/veh / LOS	14.9	B		12.3	B		21.7	C		20.7	C	
Intersection Delay, s/veh / LOS	14.4						B					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	1.71	B	1.71	B	2.59	C	2.59	C
Bicycle LOS Score / LOS	1.48	A	0.99	A	0.65	A	0.54	A

HCS7 Two-Way Stop-Control Report

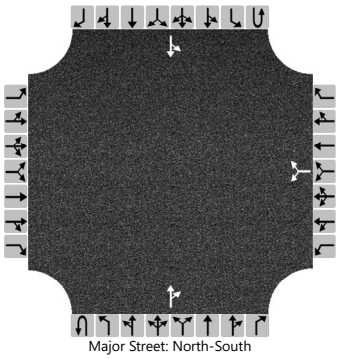
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	2/16/2022
Analysis Year	2021
Time Analyzed	Existing - AM
Intersection Orientation	North-South
Project Description	Green Dot Animo Compton

Site Information

Intersection	Stanford / Lennon
Jurisdiction	County of Los Angeles
East/West Street	Lennon Street
North/South Street	Stanford Avenue
Peak Hour Factor	0.81
Analysis Time Period (hrs)	0.25

Lanes


Major Street: North-South

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		0	1	0	0	0	1	0	0	0	1	0
Configuration							LR					TR		LT		
Volume (veh/h)						13		19			101	10		45	109	
Percent Heavy Vehicles (%)						3		3						3		
Proportion Time Blocked																
Percent Grade (%)						0										
Right Turn Channelized																
Median Type | Storage						Undivided										

Critical and Follow-up Headways

Base Critical Headway (sec)						7.1		6.2						4.1		
Critical Headway (sec)						6.43		6.23						4.13		
Base Follow-Up Headway (sec)						3.5		3.3						2.2		
Follow-Up Headway (sec)						3.53		3.33						2.23		

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)							40							56		
Capacity, c (veh/h)							753							1441		
v/c Ratio							0.05							0.04		
95% Queue Length, Q_{95} (veh)							0.2							0.1		
Control Delay (s/veh)							10.0							7.6		
Level of Service (LOS)							B							A		
Approach Delay (s/veh)						10.0								2.4		
Approach LOS						B										

HCS7 Two-Way Stop-Control Report

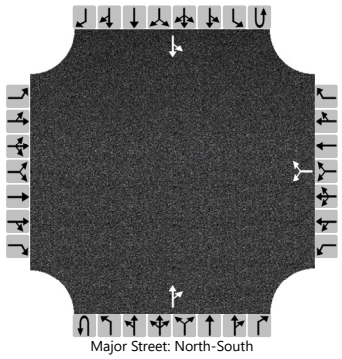
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	4/1/2022
Analysis Year	2023
Time Analyzed	Fut. Cum. + Project - AM
Intersection Orientation	North-South
Project Description	Green Dot Animo Compton

Site Information

Intersection	Stanford / Lennon
Jurisdiction	County of Los Angeles
East/West Street	Lennon Street
North/South Street	Stanford Avenue
Peak Hour Factor	0.81
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		0	1	0	0	0	1	0	0	0	1	0
Configuration							LR					TR		LT		
Volume (veh/h)						13		19			137	52		55	134	
Percent Heavy Vehicles (%)						3		3						3		
Proportion Time Blocked																
Percent Grade (%)						0										
Right Turn Channelized																
Median Type | Storage		Undivided														

Critical and Follow-up Headways

Base Critical Headway (sec)						7.1		6.2						4.1		
Critical Headway (sec)						6.43		6.23						4.13		
Base Follow-Up Headway (sec)						3.5		3.3						2.2		
Follow-Up Headway (sec)						3.53		3.33						2.23		

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)							40							68		
Capacity, c (veh/h)							655							1328		
v/c Ratio							0.06							0.05		
95% Queue Length, Q_{95} (veh)							0.2							0.2		
Control Delay (s/veh)							10.8							7.9		
Level of Service (LOS)							B							A		
Approach Delay (s/veh)						10.8								2.6		
Approach LOS						B										

HCS7 Two-Way Stop-Control Report

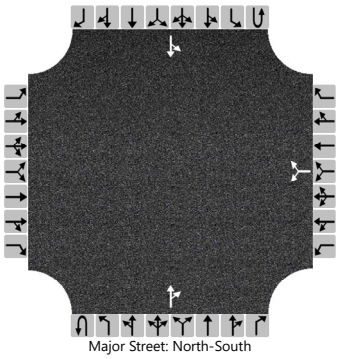
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	4/1/2022
Analysis Year	2021
Time Analyzed	Existing - PM
Intersection Orientation	North-South
Project Description	Green Dot Animo Compton

Site Information

Intersection	Stanford / Lennon
Jurisdiction	County of Los Angeles
East/West Street	Lennon Street
North/South Street	Stanford Avenue
Peak Hour Factor	0.89
Analysis Time Period (hrs)	0.25

Lanes


Major Street: North-South

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		0	1	0	0	0	1	0	0	0	1	0
Configuration							LR					TR		LT		
Volume (veh/h)						13		10			80	16		6	118	
Percent Heavy Vehicles (%)						3		3						3		
Proportion Time Blocked																
Percent Grade (%)						0										
Right Turn Channelized																
Median Type | Storage						Undivided										

Critical and Follow-up Headways

Base Critical Headway (sec)						7.1		6.2						4.1		
Critical Headway (sec)						6.43		6.23						4.13		
Base Follow-Up Headway (sec)						3.5		3.3						2.2		
Follow-Up Headway (sec)						3.53		3.33						2.23		

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)							26							7		
Capacity, c (veh/h)							818							1477		
v/c Ratio							0.03							0.00		
95% Queue Length, Q_{95} (veh)							0.1							0.0		
Control Delay (s/veh)							9.5							7.4		
Level of Service (LOS)							A							A		
Approach Delay (s/veh)						9.5								0.4		
Approach LOS						A										

HCS7 Two-Way Stop-Control Report

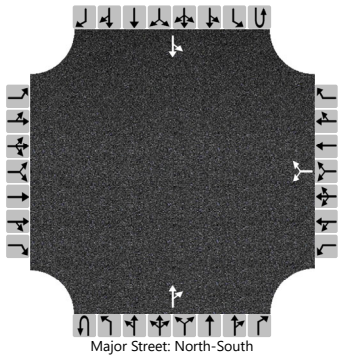
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	4/1/2022
Analysis Year	2023
Time Analyzed	Fut. Cum. + Project - PM
Intersection Orientation	North-South
Project Description	Green Dot Animo Compton

Site Information

Intersection	Stanford / Lennon
Jurisdiction	County of Los Angeles
East/West Street	Lennon Street
North/South Street	Stanford Avenue
Peak Hour Factor	0.89
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		0	1	0	0	0	1	0	0	0	1	0
Configuration							LR					TR		LT		
Volume (veh/h)						13		10			93	19		7	140	
Percent Heavy Vehicles (%)						3		3						3		
Proportion Time Blocked																
Percent Grade (%)						0										
Right Turn Channelized																
Median Type | Storage		Undivided														

Critical and Follow-up Headways

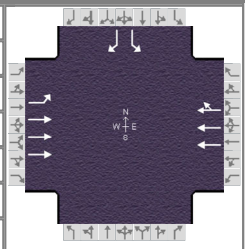
Base Critical Headway (sec)						7.1		6.2						4.1		
Critical Headway (sec)						6.43		6.23						4.13		
Base Follow-Up Headway (sec)						3.5		3.3						2.2		
Follow-Up Headway (sec)						3.53		3.33						2.23		

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)							26							8		
Capacity, c (veh/h)							783							1454		
v/c Ratio							0.03							0.01		
95% Queue Length, Q_{95} (veh)							0.1							0.0		
Control Delay (s/veh)							9.8							7.5		
Level of Service (LOS)							A							A		
Approach Delay (s/veh)					9.8								0.4			
Approach LOS					A											

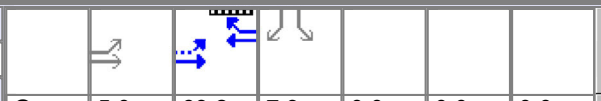
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Feb 16, 2022	Area Type	Other
Jurisdiction	County of Los Angeles	Time Period	Existing - AM	PHF	0.95
Urban Street	Rosecrans Avenue	Analysis Year	2021	Analysis Period	1> 7:45
Intersection	McKinley / Rosecrans	File Name	04AM - Existing.xus		
Project Description	Green Dot Animo Compton				

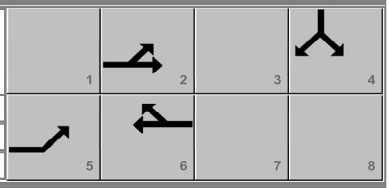


Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	47	711			1088	71				48		47

Signal Information			
Cycle, s	90.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On



Green	5.0	63.2	7.3	0.0	0.0	0.0
Yellow	3.0	5.0	4.0	0.0	0.0	0.0
Red	1.0	0.5	1.0	0.0	0.0	0.0



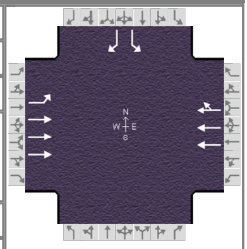
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	5	2		6				4
Case Number	1.0	4.0		8.3				9.0
Phase Duration, s	9.0	77.7		68.7				12.3
Change Period, (*Y+R c*), s	4.0	5.5		5.5				5.0
Max Allow Headway (*MAH*), s	3.1	0.0		0.0				4.2
Queue Clearance Time (*g s*), s	2.6							4.6
Green Extension Time (*g e*), s	0.1	0.0		0.0				0.3
Phase Call Probability	0.71							0.92
Max Out Probability	0.00							0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	5	2			6	16				7		14
Adjusted Flow Rate (*v*), veh/h	49	748			822	398				51		49
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1810	1725			1900	1838				1810		1610
Queue Service Time (*g s*), s	0.6	3.0			15.3	7.4				2.4		2.6
Cycle Queue Clearance Time (*g c*), s	0.6	3.0			15.3	7.4				2.4		2.6
Green Ratio (*g/C*)	0.78	0.80			0.70	0.70				0.08		0.08
Capacity (*c*), veh/h	427	4149			2668	1290				148		131
Volume-to-Capacity Ratio (*X*)	0.116	0.180			0.308	0.308				0.342		0.377
Back of Queue (*Q*), ft/ln (95 th percentile)	5.2	22.9			102.6	104.5				48.4		47.9
Back of Queue (*Q*), veh/ln (95 th percentile)	0.2	0.9			4.1	4.2				1.9		1.9
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00			0.00	0.00				0.00		0.00
Uniform Delay (*d 1*), s/veh	4.1	2.1			5.1	5.1				39.0		39.2
Incremental Delay (*d 2*), s/veh	0.0	0.1			0.3	0.6				1.4		1.8
Initial Queue Delay (*d 3*), s/veh	0.0	0.0			0.0	0.0				0.0		0.0
Control Delay (*d*), s/veh	4.2	2.2			5.4	5.7				40.4		40.9
Level of Service (LOS)	A	A			A	A				D		D
Approach Delay, s/veh / LOS	2.3	A		5.5	A		0.0			40.7	D	
Intersection Delay, s/veh / LOS	6.0						A					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	0.62	A	1.85	B	2.47	B	2.61	C
Bicycle LOS Score / LOS	0.93	A	1.16	A				F

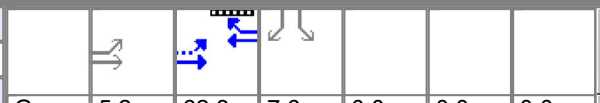
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Apr 1, 2022	Area Type	Other
Jurisdiction	County of Los Angeles	Time Period	Future Cumulative with Project - AM	PHF	0.95
Urban Street	Rosecrans Avenue	Analysis Year	2023	Analysis Period	1> 7:45
Intersection	McKinley / Rosecrans	File Name	04AM - Future Cumulative with Project.xus		
Project Description	Green Dot Animo Compton				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	51	788			1158	77				59		51

Signal Information			
Cycle, s	90.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On



Green	5.2	62.8	7.6	0.0	0.0	0.0
Yellow	3.0	5.0	4.0	0.0	0.0	0.0
Red	1.0	0.5	1.0	0.0	0.0	0.0

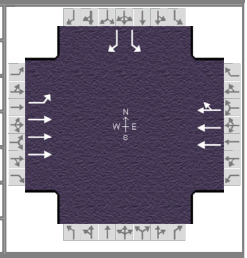
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	5	2		6				4
Case Number	1.0	4.0		8.3				9.0
Phase Duration, s	9.2	77.4		68.3				12.6
Change Period, ($Y+R_c$), s	4.0	5.5		5.5				5.0
Max Allow Headway (*MAH*), s	3.1	0.0		0.0				4.2
Queue Clearance Time (g_s), s	2.6							4.9
Green Extension Time (g_e), s	0.1	0.0		0.0				0.3
Phase Call Probability	0.74							0.94
Max Out Probability	0.00							0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	5	2			6	16				7		14
Adjusted Flow Rate (*v*), veh/h	54	829			876	424				62		54
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1810	1725			1900	1837				1810		1610
Queue Service Time (g_s), s	0.6	3.4			16.6	8.2				2.9		2.8
Cycle Queue Clearance Time (g_c), s	0.6	3.4			16.6	8.2				2.9		2.8
Green Ratio (*g/C*)	0.78	0.80			0.70	0.70				0.08		0.08
Capacity (*c*), veh/h	405	4137			2650	1281				152		135
Volume-to-Capacity Ratio (*X*)	0.133	0.200			0.331	0.331				0.409		0.397
Back of Queue (*Q*), ft/ln (95 th percentile)	5.8	26.4			114	116				59.9		52
Back of Queue (*Q*), veh/ln (95 th percentile)	0.2	1.1			4.6	4.6				2.4		2.1
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00			0.00	0.00				0.00		0.00
Uniform Delay (d_1), s/veh	4.5	2.2			5.4	5.4				39.1		39.1
Incremental Delay (d_2), s/veh	0.1	0.1			0.3	0.7				1.8		1.9
Initial Queue Delay (d_3), s/veh	0.0	0.0			0.0	0.0				0.0		0.0
Control Delay (*d*), s/veh	4.6	2.3			5.7	6.0				40.9		40.9
Level of Service (LOS)	A	A			A	A				D		D
Approach Delay, s/veh / LOS	2.4	A		5.8	A		0.0			40.9	D	
Intersection Delay, s/veh / LOS	6.3						A					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	0.62	A	1.85	B	2.47	B	2.61	C
Bicycle LOS Score / LOS	0.97	A	1.20	A				F

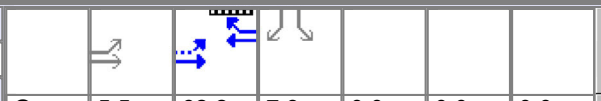
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Feb 16, 2022	Area Type	Other
Jurisdiction	County of Los Angeles	Time Period	Existing - PM	PHF	0.95
Urban Street	Rosecrans Avenue	Analysis Year	2021	Analysis Period	1> 16:45
Intersection	McKinley / Rosecrans	File Name	04PM - Existing.xus		
Project Description	Green Dot Animo Compton				

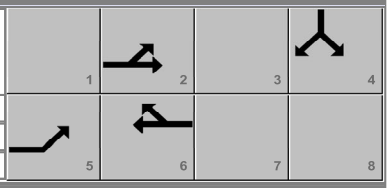


Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	58	1693			740	65				63		72

Signal Information			
Cycle, s	90.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On



Green	5.5	62.2	7.8	0.0	0.0	0.0
Yellow	3.0	5.0	4.0	0.0	0.0	0.0
Red	1.0	0.5	1.0	0.0	0.0	0.0



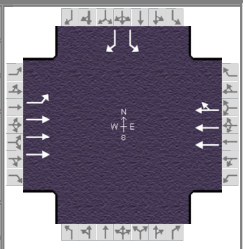
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	5	2		6				4
Case Number	1.0	4.0		8.3				9.0
Phase Duration, s	9.5	77.2		67.7				12.8
Change Period, (*Y+R c*), s	4.0	5.5		5.5				5.0
Max Allow Headway (*MAH*), s	3.1	0.0		0.0				4.2
Queue Clearance Time (*g s*), s	2.7							6.1
Green Extension Time (*g e*), s	0.1	0.0		0.0				0.4
Phase Call Probability	0.78							0.97
Max Out Probability	0.00							0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	5	2			6	16				7		14
Adjusted Flow Rate (*v*), veh/h	61	1782			572	276				66		76
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1810	1725			1900	1819				1810		1610
Queue Service Time (*g s*), s	0.7	9.6			9.8	5.0				3.1		4.1
Cycle Queue Clearance Time (*g c*), s	0.7	9.6			9.8	5.0				3.1		4.1
Green Ratio (*g/C*)	0.77	0.80			0.69	0.69				0.09		0.09
Capacity (*c*), veh/h	575	4125			2628	1258				156		139
Volume-to-Capacity Ratio (*X*)	0.106	0.432			0.218	0.219				0.424		0.545
Back of Queue (*Q*), ft/ln (95 th percentile)	6.6	77			69.2	70.4				63.9		75.5
Back of Queue (*Q*), veh/ln (95 th percentile)	0.3	3.1			2.8	2.8				2.6		3.0
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00			0.00	0.00				0.00		0.00
Uniform Delay (*d 1*), s/veh	3.2	2.8			5.0	5.0				39.0		39.4
Incremental Delay (*d 2*), s/veh	0.0	0.3			0.2	0.4				1.8		3.3
Initial Queue Delay (*d 3*), s/veh	0.0	0.0			0.0	0.0				0.0		0.0
Control Delay (*d*), s/veh	3.3	3.2			5.2	5.4				40.8		42.7
Level of Service (LOS)	A	A			A	A				D		D
Approach Delay, s/veh / LOS	3.2	A		5.3	A		0.0			41.8	D	
Intersection Delay, s/veh / LOS	5.7						A					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	0.62	A	1.86	B	2.47	B	2.61	C
Bicycle LOS Score / LOS	1.50	B	0.95	A				F

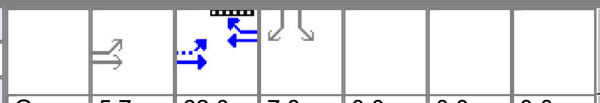
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Apr 1, 2022	Area Type	Other
Jurisdiction	County of Los Angeles	Time Period	Future Cumulative with Project - PM	PHF	0.95
Urban Street	Rosecrans Avenue	Analysis Year	2023	Analysis Period	1> 16:45
Intersection	McKinley / Rosecrans	File Name	04PM - Future Cumulative with Project.xus		
Project Description	Green Dot Animo Compton				

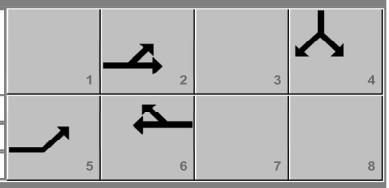


Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	63	1739			772	72				67		77

Signal Information			
Cycle, s	90.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On



Green	5.7	62.0	7.8	0.0	0.0	0.0
Yellow	3.0	5.0	4.0	0.0	0.0	0.0
Red	1.0	0.5	1.0	0.0	0.0	0.0



Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	5	2		6				4
Case Number	1.0	4.0		8.3				9.0
Phase Duration, s	9.7	77.2		67.5				12.8
Change Period, ($Y+R_c$), s	4.0	5.5		5.5				5.0
Max Allow Headway (*MAH*), s	3.1	0.0		0.0				4.2
Queue Clearance Time (g_s), s	2.8							6.4
Green Extension Time (g_e), s	0.1	0.0		0.0				0.4
Phase Call Probability	0.81							0.98
Max Out Probability	0.00							0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	5	2			6	16				7		14
Adjusted Flow Rate (*v*), veh/h	66	1831			600	288				71		81
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1810	1725			1900	1814				1810		1610
Queue Service Time (g_s), s	0.8	10.0			10.4	5.3				3.3		4.4
Cycle Queue Clearance Time (g_c), s	0.8	10.0			10.4	5.3				3.3		4.4
Green Ratio (*g/C*)	0.77	0.80			0.69	0.69				0.09		0.09
Capacity (*c*), veh/h	558	4122			2618	1250				157		140
Volume-to-Capacity Ratio (*X*)	0.119	0.444			0.229	0.231				0.449		0.579
Back of Queue (*Q*), ft/ln (95 th percentile)	7.3	81.5			74.2	75.2				68.3		81.3
Back of Queue (*Q*), veh/ln (95 th percentile)	0.3	3.3			3.0	3.0				2.7		3.3
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00			0.00	0.00				0.00		0.00
Uniform Delay (d_1), s/veh	3.3	2.9			5.2	5.2				39.0		39.5
Incremental Delay (d_2), s/veh	0.0	0.3			0.2	0.4				2.0		3.8
Initial Queue Delay (d_3), s/veh	0.0	0.0			0.0	0.0				0.0		0.0
Control Delay (*d*), s/veh	3.4	3.2			5.4	5.6				41.0		43.3
Level of Service (LOS)	A	A			A	A				D		D
Approach Delay, s/veh / LOS	3.2	A		5.4	A		0.0			42.2	D	
Intersection Delay, s/veh / LOS	5.9						A					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	0.62	A	1.86	B	2.47	B	2.61	C
Bicycle LOS Score / LOS	1.53	B	0.98	A				F

HCS7 Two-Way Stop-Control Report

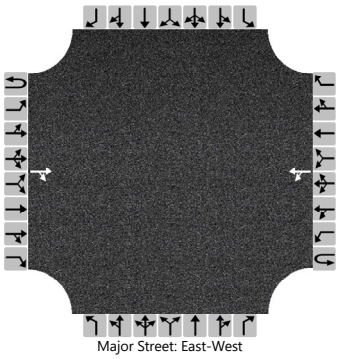
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	9/15/2022
Analysis Year	2021
Time Analyzed	Existing - AM
Intersection Orientation	East-West
Project Description	Green Dot Animo Compton

Site Information

Intersection	W. Dwy/Rosecrans Access
Jurisdiction	County of Los Angeles
East/West Street	Rosecrans Local Access
North/South Street	Westerly Project Dwy
Peak Hour Factor	0.78
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	1	0	0	0	1	0		0	0	0		0	0	0
Configuration				TR		LT										
Volume (veh/h)			20	10		25	32									
Percent Heavy Vehicles (%)						3										
Proportion Time Blocked																
Percent Grade (%)																
Right Turn Channelized																
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)						4.1										
Critical Headway (sec)						4.13										
Base Follow-Up Headway (sec)						2.2										
Follow-Up Headway (sec)						2.23										

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)						32										
Capacity, c (veh/h)						1565										
v/c Ratio						0.02										
95% Queue Length, Q_{95} (veh)						0.1										
Control Delay (s/veh)						7.3										
Level of Service (LOS)						A										
Approach Delay (s/veh)					3.3											
Approach LOS																

HCS7 Two-Way Stop-Control Report

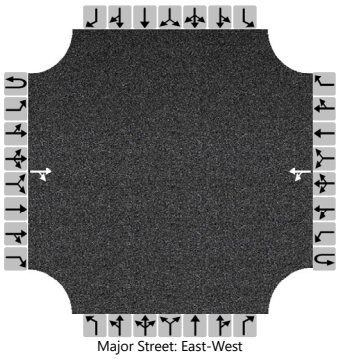
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	9/15/2022
Analysis Year	2023
Time Analyzed	Fut. Cum. + Project - AM
Intersection Orientation	East-West
Project Description	Green Dot Animo Compton

Site Information

Intersection	W. Dwy/Rosecrans Access
Jurisdiction	County of Los Angeles
East/West Street	Rosecrans Local Access
North/South Street	Westerly Project Dwy
Peak Hour Factor	0.78
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	1	0	0	0	1	0		0	0	0		0	0	0
Configuration				TR		LT										
Volume (veh/h)			20	61		144	33									
Percent Heavy Vehicles (%)						3										
Proportion Time Blocked																
Percent Grade (%)																
Right Turn Channelized																
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)						4.1										
Critical Headway (sec)						4.13										
Base Follow-Up Headway (sec)						2.2										
Follow-Up Headway (sec)						2.23										

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)						185										
Capacity, c (veh/h)						1482										
v/c Ratio						0.12										
95% Queue Length, Q_{95} (veh)						0.4										
Control Delay (s/veh)						7.8										
Level of Service (LOS)						A										
Approach Delay (s/veh)					6.5											
Approach LOS																

HCS7 Two-Way Stop-Control Report

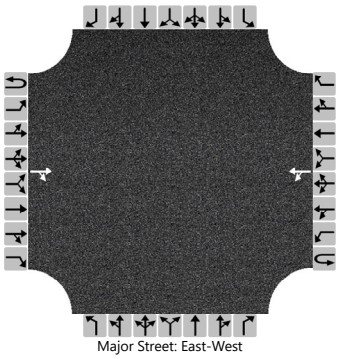
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	9/15/2022
Analysis Year	2021
Time Analyzed	Existing - PM
Intersection Orientation	East-West
Project Description	Green Dot Animo Compton

Site Information

Intersection	W. Dwy/Rosecrans Access
Jurisdiction	County of Los Angeles
East/West Street	Rosecrans Local Access
North/South Street	Westerly Project Dwy
Peak Hour Factor	0.88
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	1	0	0	0	1	0		0	0	0		0	0	0
Configuration				TR		LT										
Volume (veh/h)			18	10		23	32									
Percent Heavy Vehicles (%)						3										
Proportion Time Blocked																
Percent Grade (%)																
Right Turn Channelized																
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)						4.1										
Critical Headway (sec)						4.13										
Base Follow-Up Headway (sec)						2.2										
Follow-Up Headway (sec)						2.23										

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)						26										
Capacity, c (veh/h)						1574										
v/c Ratio						0.02										
95% Queue Length, Q_{95} (veh)						0.1										
Control Delay (s/veh)						7.3										
Level of Service (LOS)						A										
Approach Delay (s/veh)					3.1											
Approach LOS																

HCS7 Two-Way Stop-Control Report

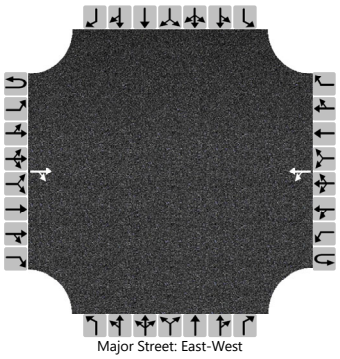
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	9/15/2022
Analysis Year	2023
Time Analyzed	Fut. Cum. + Project - PM
Intersection Orientation	East-West
Project Description	Green Dot Animo Compton

Site Information

Intersection	W. Dwy/Rosecrans Access
Jurisdiction	County of Los Angeles
East/West Street	Rosecrans Local Access
North/South Street	Westerly Project Dwy
Peak Hour Factor	0.88
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	1	0	0	0	1	0		0	0	0		0	0	0
Configuration				TR		LT										
Volume (veh/h)			18	14		32	33									
Percent Heavy Vehicles (%)						3										
Proportion Time Blocked																
Percent Grade (%)																
Right Turn Channelized																
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)						4.1										
Critical Headway (sec)						4.13										
Base Follow-Up Headway (sec)						2.2										
Follow-Up Headway (sec)						2.23										

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)						36										
Capacity, c (veh/h)						1568										
v/c Ratio						0.02										
95% Queue Length, Q_{95} (veh)						0.1										
Control Delay (s/veh)						7.4										
Level of Service (LOS)						A										
Approach Delay (s/veh)					3.7											
Approach LOS																

HCS7 Two-Way Stop-Control Report

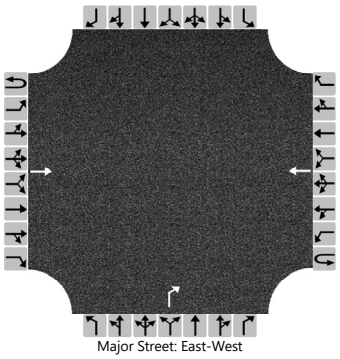
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	9/15/2022
Analysis Year	2021
Time Analyzed	Existing - AM
Intersection Orientation	East-West
Project Description	Green Dot Animo Compton

Site Information

Intersection	E. Dwy/Rosecrans Access
Jurisdiction	County of Los Angeles
East/West Street	Rosecrans Local Access
North/South Street	Easterly Project Dwy
Peak Hour Factor	0.78
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	1	0	0	0	1	0		0	0	1		0	0	0
Configuration			T				T					R				
Volume (veh/h)			20				57					31				
Percent Heavy Vehicles (%)												3				
Proportion Time Blocked																
Percent Grade (%)										0						
Right Turn Channelized										No						
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)												6.2				
Critical Headway (sec)												6.23				
Base Follow-Up Headway (sec)												3.3				
Follow-Up Headway (sec)												3.33				

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)												40				
Capacity, c (veh/h)												1047				
v/c Ratio												0.04				
95% Queue Length, Q_{95} (veh)												0.1				
Control Delay (s/veh)												8.6				
Level of Service (LOS)												A				
Approach Delay (s/veh)										8.6						
Approach LOS										A						

HCS7 Two-Way Stop-Control Report

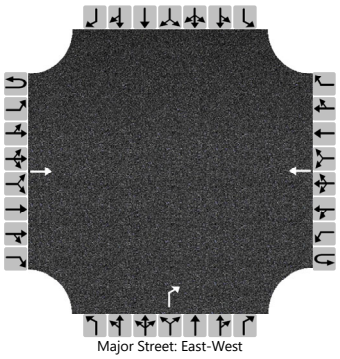
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	9/15/2022
Analysis Year	2023
Time Analyzed	Fut. Cum. + Project - AM
Intersection Orientation	East-West
Project Description	Green Dot Animo Compton

Site Information

Intersection	E. Dwy/Rosecrans Access
Jurisdiction	County of Los Angeles
East/West Street	Rosecrans Local Access
North/South Street	Easterly Project Dwy
Peak Hour Factor	0.78
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	1	0	0	0	1	0		0	0	1		0	0	0
Configuration			T				T					R				
Volume (veh/h)			20				176					123				
Percent Heavy Vehicles (%)												3				
Proportion Time Blocked																
Percent Grade (%)										0						
Right Turn Channelized										No						
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)												6.2				
Critical Headway (sec)												6.23				
Base Follow-Up Headway (sec)												3.3				
Follow-Up Headway (sec)												3.33				

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)												158				
Capacity, c (veh/h)												1047				
v/c Ratio												0.15				
95% Queue Length, Q_{95} (veh)												0.5				
Control Delay (s/veh)												9.0				
Level of Service (LOS)												A				
Approach Delay (s/veh)										9.0						
Approach LOS										A						

HCS7 Two-Way Stop-Control Report

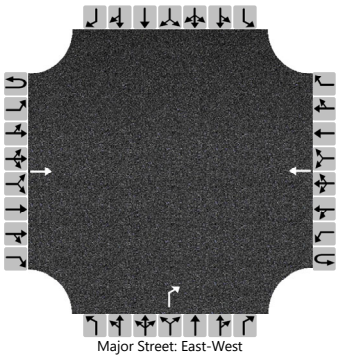
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	9/15/2022
Analysis Year	2021
Time Analyzed	Existing - PM
Intersection Orientation	East-West
Project Description	Green Dot Animo Compton

Site Information

Intersection	E. Dwy/Rosecrans Access
Jurisdiction	County of Los Angeles
East/West Street	Rosecrans Local Access
North/South Street	Easterly Project Dwy
Peak Hour Factor	0.88
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	1	0	0	0	1	0		0	0	1		0	0	0
Configuration			T				T					R				
Volume (veh/h)			18				55					36				
Percent Heavy Vehicles (%)												3				
Proportion Time Blocked																
Percent Grade (%)										0						
Right Turn Channelized										No						
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)												6.2				
Critical Headway (sec)												6.23				
Base Follow-Up Headway (sec)												3.3				
Follow-Up Headway (sec)												3.33				

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)												41				
Capacity, c (veh/h)												1054				
v/c Ratio												0.04				
95% Queue Length, Q_{95} (veh)												0.1				
Control Delay (s/veh)												8.6				
Level of Service (LOS)												A				
Approach Delay (s/veh)										8.6						
Approach LOS										A						

HCS7 Two-Way Stop-Control Report

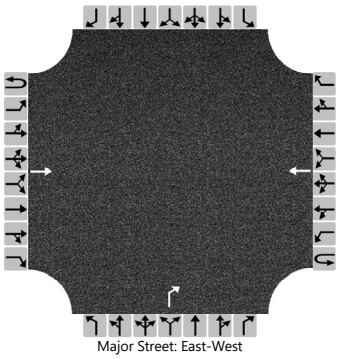
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	9/15/2022
Analysis Year	2023
Time Analyzed	Fut. Cum. + Project - PM
Intersection Orientation	East-West
Project Description	Green Dot Animo Compton

Site Information

Intersection	E. Dwy/Rosecrans Access
Jurisdiction	County of Los Angeles
East/West Street	Rosecrans Local Access
North/South Street	Easterly Project Dwy
Peak Hour Factor	0.88
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	1	0	0	0	1	0		0	0	1		0	0	0
Configuration			T				T					R				
Volume (veh/h)			18				65					51				
Percent Heavy Vehicles (%)												3				
Proportion Time Blocked																
Percent Grade (%)										0						
Right Turn Channelized										No						
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)												6.2				
Critical Headway (sec)												6.23				
Base Follow-Up Headway (sec)												3.3				
Follow-Up Headway (sec)												3.33				

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)												58				
Capacity, c (veh/h)												1054				
v/c Ratio												0.05				
95% Queue Length, Q_{95} (veh)												0.2				
Control Delay (s/veh)												8.6				
Level of Service (LOS)												A				
Approach Delay (s/veh)										8.6						
Approach LOS										A						

HCS7 Two-Way Stop-Control Report

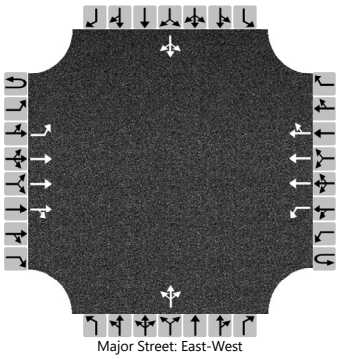
General Information

Analyst	JAS
Agency/Co.	County of Los Angeles
Date Performed	2/16/2022
Analysis Year	2021
Time Analyzed	Existing - AM
Intersection Orientation	East-West
Project Description	Green Dot Animo Compton

Site Information

Intersection	Cahita-Pvt Dwy/Rosecrans
Jurisdiction	Linscott, Law & Greenspan
East/West Street	Rosecrans Avenue
North/South Street	Cahita Ave - Pvt. Dwy
Peak Hour Factor	0.96
Analysis Time Period (hrs)	0.25

Lanes


Major Street: East-West

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	3	0	0	1	3	0		0	1	0		0	1	0
Configuration		L	T	TR		L	T	TR			LTR				LTR	
Volume (veh/h)	0	7	725	22	0	16	1106	1		44	0	27		0	0	4
Percent Heavy Vehicles (%)	3	3			3	3				3	3	3		3	3	3
Proportion Time Blocked																
Percent Grade (%)										0				0		
Right Turn Channelized																
Median Type | Storage			Undivided													

Critical and Follow-up Headways

Base Critical Headway (sec)		5.3				5.3				6.4	6.5	7.1		6.4	6.5	7.1
Critical Headway (sec)		5.36				5.36				6.46	6.56	7.16		6.46	6.56	7.16
Base Follow-Up Headway (sec)		3.1				3.1				3.8	4.0	3.9		3.8	4.0	3.9
Follow-Up Headway (sec)		3.13				3.13				3.83	4.03	3.93		3.83	4.03	3.93

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		7				17					74				4	
Capacity, c (veh/h)		327				497					223				392	
v/c Ratio		0.02				0.03					0.33				0.01	
95% Queue Length, Q_{95} (veh)		0.1				0.1					1.4				0.0	
Control Delay (s/veh)		16.3				12.5					29.0				14.3	
Level of Service (LOS)		C				B					D				B	
Approach Delay (s/veh)		0.2				0.2				29.0				14.3		
Approach LOS										D				B		

HCS7 Two-Way Stop-Control Report

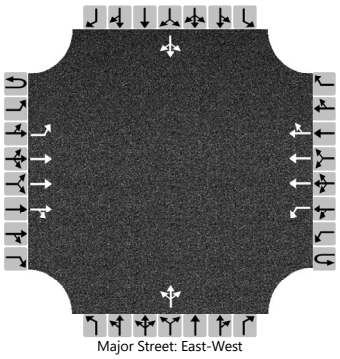
General Information

Analyst	JAS
Agency/Co.	County of Los Angeles
Date Performed	4/4/2022
Analysis Year	2023
Time Analyzed	Fut. Cum. + Project - AM
Intersection Orientation	East-West
Project Description	Green Dot Animo Compton

Site Information

Intersection	Cahita-Pvt Dwy/Rosecrans
Jurisdiction	Linscott, Law & Greenspan
East/West Street	Rosecrans Avenue
North/South Street	Cahita Ave - Pvt. Dwy
Peak Hour Factor	0.96
Analysis Time Period (hrs)	0.25

Lanes


Major Street: East-West

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	3	0	0	1	3	0		0	1	0		0	1	0
Configuration		L	T	TR		L	T	TR			LTR				LTR	
Volume (veh/h)	0	7	763	81	0	41	1211	1		45	0	55		0	0	4
Percent Heavy Vehicles (%)	3	3			3	3				3	3	3		3	3	3
Proportion Time Blocked																
Percent Grade (%)										0				0		
Right Turn Channelized																
Median Type | Storage			Undivided													

Critical and Follow-up Headways

Base Critical Headway (sec)		5.3				5.3				6.4	6.5	7.1		6.4	6.5	7.1
Critical Headway (sec)		5.36				5.36				6.46	6.56	7.16		6.46	6.56	7.16
Base Follow-Up Headway (sec)		3.1				3.1				3.8	4.0	3.9		3.8	4.0	3.9
Follow-Up Headway (sec)		3.13				3.13				3.83	4.03	3.93		3.83	4.03	3.93

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		7				43					104				4	
Capacity, c (veh/h)		289				444					210				361	
v/c Ratio		0.03				0.10					0.50				0.01	
95% Queue Length, Q_{95} (veh)		0.1				0.3					2.5				0.0	
Control Delay (s/veh)		17.8				14.0					37.9				15.1	
Level of Service (LOS)		C				B					E				C	
Approach Delay (s/veh)	0.1				0.5				37.9				15.1			
Approach LOS									E				C			

HCS7 Two-Way Stop-Control Report

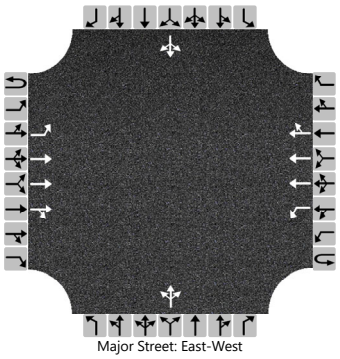
General Information

Analyst	JAS
Agency/Co.	County of Los Angeles
Date Performed	2/16/2022
Analysis Year	2021
Time Analyzed	Existing - PM
Intersection Orientation	East-West
Project Description	Green Dot Animo Compton

Site Information

Intersection	Cahita-Pvt Dwy/Rosecrans
Jurisdiction	Linscott, Law & Greenspan
East/West Street	Rosecrans Avenue
North/South Street	Cahita Ave - Pvt. Dwy
Peak Hour Factor	0.94
Analysis Time Period (hrs)	0.25

Lanes


Major Street: East-West

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	3	0	0	1	3	0		0	1	0		0	1	0
Configuration		L	T	TR		L	T	TR			LTR				LTR	
Volume (veh/h)	0	1	1690	59	0	11	757	5		29	5	19		0	0	0
Percent Heavy Vehicles (%)	3	3			3	3				3	3	3		3	3	3
Proportion Time Blocked																
Percent Grade (%)										0				0		
Right Turn Channelized																
Median Type | Storage			Undivided													

Critical and Follow-up Headways

Base Critical Headway (sec)		5.3				5.3				6.4	6.5	7.1		6.4	6.5	7.1
Critical Headway (sec)		5.36				5.36				6.46	6.56	7.16		6.46	6.56	7.16
Base Follow-Up Headway (sec)		3.1				3.1				3.8	4.0	3.9		3.8	4.0	3.9
Follow-Up Headway (sec)		3.13				3.13				3.83	4.03	3.93		3.83	4.03	3.93

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		1				12					56				0	
Capacity, c (veh/h)		479				145					55					
v/c Ratio		0.00				0.08					1.03					
95% Queue Length, Q_{95} (veh)		0.0				0.3					4.7					
Control Delay (s/veh)		12.5				31.9					253.0					
Level of Service (LOS)		B				D					F					
Approach Delay (s/veh)		0.0				0.5				253.0						
Approach LOS										F						

HCS7 Two-Way Stop-Control Report

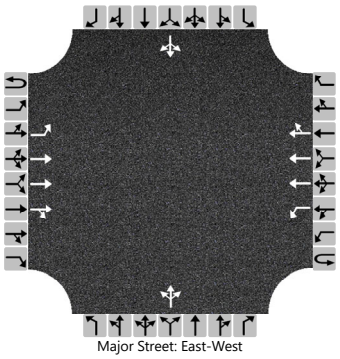
General Information

Analyst	JAS
Agency/Co.	County of Los Angeles
Date Performed	4/4/2022
Analysis Year	2023
Time Analyzed	Fut. Cum. + Project - PM
Intersection Orientation	East-West
Project Description	Green Dot Animo Compton

Site Information

Intersection	Cahita-Pvt Dwy/Rosecrans
Jurisdiction	Linscott, Law & Greenspan
East/West Street	Rosecrans Avenue
North/South Street	Cahita Ave - Pvt. Dwy
Peak Hour Factor	0.94
Analysis Time Period (hrs)	0.25

Lanes


Major Street: East-West

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	3	0	0	1	3	0		0	1	0		0	1	0
Configuration		L	T	TR		L	T	TR			LTR				LTR	
Volume (veh/h)	0	1	1735	65	0	13	807	5		30	5	23		0	0	0
Percent Heavy Vehicles (%)	3	3			3	3				3	3	3		3	3	3
Proportion Time Blocked																
Percent Grade (%)										0				0		
Right Turn Channelized																
Median Type | Storage			Undivided													

Critical and Follow-up Headways

Base Critical Headway (sec)		5.3				5.3				6.4	6.5	7.1		6.4	6.5	7.1
Critical Headway (sec)		5.36				5.36				6.46	6.56	7.16		6.46	6.56	7.16
Base Follow-Up Headway (sec)		3.1				3.1				3.8	4.0	3.9		3.8	4.0	3.9
Follow-Up Headway (sec)		3.13				3.13				3.83	4.03	3.93		3.83	4.03	3.93

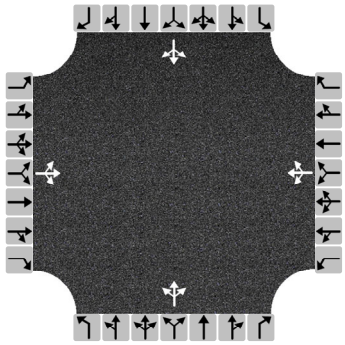
Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		1				14					62				0	
Capacity, c (veh/h)		452				136					50					
v/c Ratio		0.00				0.10					1.23					
95% Queue Length, Q_{95} (veh)		0.0				0.3					5.6					
Control Delay (s/veh)		13.0				34.3					334.0					
Level of Service (LOS)		B				D					F					
Approach Delay (s/veh)		0.0				0.5				334.0						
Approach LOS										F						

HCS7 All-Way Stop Control Report

General Information		Site Information	
Analyst	JAS	Intersection	Cahita/Rosecrans Access
Agency/Co.	County of Los Angeles	Jurisdiction	Linscott, Law & Greenspan
Date Performed	2/16/2022	East/West Street	Rosecrans Local Access Rd
Analysis Year	2021	North/South Street	Cahita Avenue
Analysis Time Period (hrs)	0.25	Peak Hour Factor	0.91
Time Analyzed	Existing - AM		
Project Description	Green Dot Animo Compton		

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	18	5	1	4	14	16	4	37	1	7	17	15
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LTR			LTR			LTR			LTR		
Flow Rate, v (veh/h)	26			37			46			43		
Percent Heavy Vehicles	2			2			2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20			3.20			3.20			3.20		
Initial Degree of Utilization, x	0.023			0.033			0.041			0.038		
Final Departure Headway, hd (s)	4.28			3.89			4.12			3.92		
Final Degree of Utilization, x	0.031			0.040			0.053			0.047		
Move-Up Time, m (s)	2.0			2.0			2.0			2.0		
Service Time, ts (s)	2.28			1.89			2.12			1.92		

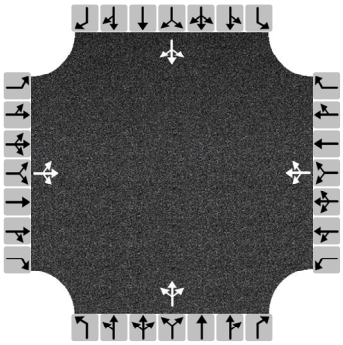
Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	26			37			46			43		
Capacity	840			925			875			918		
95% Queue Length, Q_{95} (veh)	0.1			0.1			0.2			0.1		
Control Delay (s/veh)	7.4			7.1			7.3			7.1		
Level of Service, LOS	A			A			A			A		
Approach Delay (s/veh)	7.4			7.1			7.3			7.1		
Approach LOS	A			A			A			A		
Intersection Delay, s/veh | LOS	7.2						A					

HCS7 All-Way Stop Control Report

General Information		Site Information	
Analyst	JAS	Intersection	Cahita/Rosecrans Access
Agency/Co.	County of Los Angeles	Jurisdiction	Linscott, Law & Greenspan
Date Performed	4/4/2022	East/West Street	Rosecrans Local Access Rd
Analysis Year	2023	North/South Street	Cahita Avenue
Analysis Time Period (hrs)	0.25	Peak Hour Factor	0.91
Time Analyzed	Fut. Cum. + Project - AM		
Project Description	Green Dot Animo Compton		

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	45	69	1	4	48	16	4	38	1	7	17	100
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LTR			LTR			LTR			LTR		
Flow Rate, v (veh/h)	126			75			47			136		
Percent Heavy Vehicles	2			2			2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20			3.20			3.20			3.20		
Initial Degree of Utilization, x	0.112			0.066			0.042			0.121		
Final Departure Headway, hd (s)	4.49			4.35			4.55			3.99		
Final Degree of Utilization, x	0.158			0.090			0.060			0.151		
Move-Up Time, m (s)	2.0			2.0			2.0			2.0		
Service Time, ts (s)	2.49			2.35			2.55			1.99		

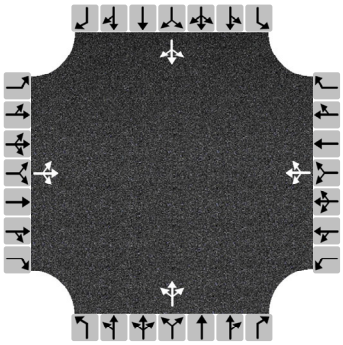
Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	126			75			47			136		
Capacity	802			827			791			903		
95% Queue Length, Q_{95} (veh)	0.6			0.3			0.2			0.5		
Control Delay (s/veh)	8.3			7.8			7.8			7.7		
Level of Service, LOS	A			A			A			A		
Approach Delay (s/veh)	8.3			7.8			7.8			7.7		
Approach LOS	A			A			A			A		
Intersection Delay, s/veh | LOS	7.9						A					

HCS7 All-Way Stop Control Report

General Information		Site Information	
Analyst	JAS	Intersection	Cahita/Rosecrans Access
Agency/Co.	County of Los Angeles	Jurisdiction	Linscott, Law & Greenspan
Date Performed	2/16/2022	East/West Street	Rosecrans Local Access Rd
Analysis Year	2021	North/South Street	Cahita Avenue
Analysis Time Period (hrs)	0.25	Peak Hour Factor	0.83
Time Analyzed	Existing - PM		
Project Description	Green Dot Animo Compton		

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	15	8	4	3	11	17	2	21	3	19	31	19
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LTR			LTR			LTR			LTR		
Flow Rate, v (veh/h)	33			37			31			83		
Percent Heavy Vehicles	2			2			2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20			3.20			3.20			3.20		
Initial Degree of Utilization, x	0.029			0.033			0.028			0.074		
Final Departure Headway, hd (s)	4.24			3.90			4.11			4.00		
Final Degree of Utilization, x	0.038			0.040			0.036			0.092		
Move-Up Time, m (s)	2.0			2.0			2.0			2.0		
Service Time, ts (s)	2.24			1.90			2.11			2.00		

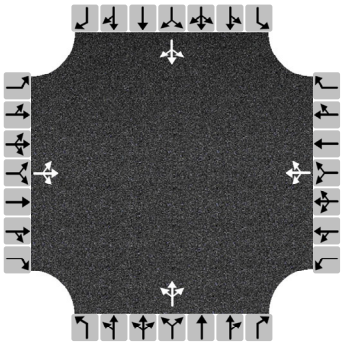
Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	33			37			31			83		
Capacity	850			923			876			899		
95% Queue Length, Q_{95} (veh)	0.1			0.1			0.1			0.3		
Control Delay (s/veh)	7.4			7.1			7.3			7.4		
Level of Service, LOS	A			A			A			A		
Approach Delay (s/veh)	7.4			7.1			7.3			7.4		
Approach LOS	A			A			A			A		
Intersection Delay, s/veh | LOS	7.3						A					

HCS7 All-Way Stop Control Report

General Information		Site Information	
Analyst	JAS	Intersection	Cahita/Rosecrans Access
Agency/Co.	County of Los Angeles	Jurisdiction	Linscott, Law & Greenspan
Date Performed	4/4/2022	East/West Street	Rosecrans Local Access Rd
Analysis Year	2023	North/South Street	Cahita Avenue
Analysis Time Period (hrs)	0.25	Peak Hour Factor	0.83
Time Analyzed	Futt. Cum. + Project - PM		
Project Description	Green Dot Animo Compton		

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	19	8	4	3	14	17	2	21	3	19	32	26
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LTR			LTR			LTR			LTR		
Flow Rate, v (veh/h)	37			41			31			93		
Percent Heavy Vehicles	2			2			2			2		

Departure Headway and Service Time

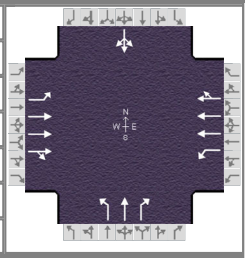
Initial Departure Headway, hd (s)	3.20			3.20			3.20			3.20		
Initial Degree of Utilization, x	0.033			0.036			0.028			0.082		
Final Departure Headway, hd (s)	4.28			3.95			4.14			3.98		
Final Degree of Utilization, x	0.044			0.045			0.036			0.103		
Move-Up Time, m (s)	2.0			2.0			2.0			2.0		
Service Time, ts (s)	2.28			1.95			2.14			1.98		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	37			41			31			93		
Capacity	841			911			870			904		
95% Queue Length, Q_{95} (veh)	0.1			0.1			0.1			0.3		
Control Delay (s/veh)	7.5			7.1			7.3			7.4		
Level of Service, LOS	A			A			A			A		
Approach Delay (s/veh)	7.5			7.1			7.3			7.4		
Approach LOS	A			A			A			A		
Intersection Delay, s/veh | LOS	7.4						A					

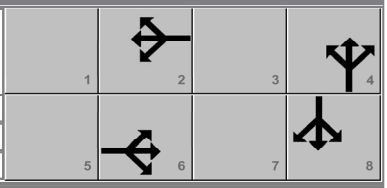
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Feb 16, 2022	Area Type	Other
Jurisdiction	County of Los Angeles	Time Period	Existing - AM	PHF	0.96
Urban Street	Rosecrans Avenue	Analysis Year	2021	Analysis Period	1> 7:45
Intersection	Aprilia - Pvt. Dwy / Rose…	File Name	09AM - Existing.xus		
Project Description	Green Dot Animo Compton				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	18	696	10	25	1116	20	6	0	18	0	0	0

Signal Information			
Cycle, s	90.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On



Green	74.3	4.2	0.0	0.0	0.0	0.0
Yellow	5.0	4.0	0.0	0.0	0.0	0.0
Red	0.5	2.0	0.0	0.0	0.0	0.0

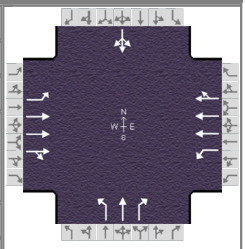
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		6		2		4		8
Case Number		6.0		6.0		5.0		8.0
Phase Duration, s		79.8		79.8		10.2		10.2
Change Period, (*Y+R c*), s		5.5		5.5		6.0		6.0
Max Allow Headway (*MAH*), s		0.0		0.0		4.4		0.0
Queue Clearance Time (*g s*), s						3.0		
Green Extension Time (*g e*), s		0.0		0.0		0.0		0.0
Phase Call Probability						0.46		
Max Out Probability						0.00		

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	19	491	244	26	791	392	6	0	19		0	
Adjusted Saturation Flow Rate (*s*), veh/h/ln	481	1900	1886	733	1900	1882	1810	1900	1610		0	
Queue Service Time (*g s*), s	0.8	2.3	2.3	0.7	4.1	4.1	0.3	0.0	1.0		0.0	
Cycle Queue Clearance Time (*g c*), s	4.9	2.3	2.3	3.0	4.1	4.1	0.3	0.0	1.0		0.0	
Green Ratio (*g/C*)	0.83	0.83	0.83	0.83	0.83	0.83	0.05	0.05	0.05			
Capacity (*c*), veh/h	455	3138	1557	666	3138	1554	164	88	75			
Volume-to-Capacity Ratio (*X*)	0.041	0.157	0.157	0.039	0.252	0.252	0.038	0.000	0.250		0.000	
Back of Queue (*Q*), ft/ln (95 th percentile)	2.9	15	17	3	26.5	30.1	6.2	0	19.7		0	
Back of Queue (*Q*), veh/ln (95 th percentile)	0.1	0.6	0.7	0.1	1.1	1.2	0.2	0.0	0.8		0.0	
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
Uniform Delay (*d 1*), s/veh	2.3	1.6	1.6	1.9	1.7	1.7	41.1	0.0	41.4			
Incremental Delay (*d 2*), s/veh	0.2	0.1	0.2	0.1	0.2	0.4	0.1	0.0	1.7		0.0	
Initial Queue Delay (*d 3*), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	
Control Delay (*d*), s/veh	2.4	1.7	1.8	2.0	1.9	2.1	41.1	0.0	43.1			
Level of Service (LOS)	A	A	A	A	A	A	D		D			
Approach Delay, s/veh / LOS	1.7	A		2.0	A		42.6	D		0.0		
Intersection Delay, s/veh / LOS	2.4						A					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.00	B	1.75	B	2.60	C	2.59	C
Bicycle LOS Score / LOS	0.90	A	1.15	A	0.53	A	0.49	A

HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Apr 4, 2022	Area Type	Other
Jurisdiction	County of Los Angeles	Time Period	Future Cumulative with Project - AM	PHF	0.96
Urban Street	Rosecrans Avenue	Analysis Year	2023	Analysis Period	1> 7:45
Intersection	Aprilia - Pvt. Dwy / Rose…	File Name	09AM - Future Cumulative with Project.xus		
Project Description	Green Dot Animo Compton				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	18	760	10	60	1200	20	52	0	36	0	0	0

Signal Information			
Cycle, s	90.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On

							1	2	3	4
Green	70.4	8.1	0.0	0.0	0.0	0.0	5	6	7	8
Yellow	5.0	4.0	0.0	0.0	0.0	0.0				
Red	0.5	2.0	0.0	0.0	0.0	0.0				

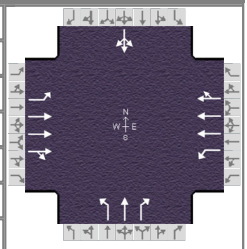
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		6		2		4		8
Case Number		6.0		6.0		5.0		8.0
Phase Duration, s		75.9		75.9		14.1		14.1
Change Period, ($Y+R_c$), s		5.5		5.5		6.0		6.0
Max Allow Headway (*MAH*), s		0.0		0.0		4.3		0.0
Queue Clearance Time (g_s), s						4.5		
Green Extension Time (g_e), s		0.0		0.0		0.3		0.0
Phase Call Probability						0.90		
Max Out Probability						0.00		

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	19	536	266	63	850	421	54	0	38		0	
Adjusted Saturation Flow Rate (*s*), veh/h/ln	443	1900	1887	689	1900	1883	1810	1900	1610		0	
Queue Service Time (g_s), s	1.1	3.2	3.2	2.3	5.6	5.6	2.5	0.0	2.0		0.0	
Cycle Queue Clearance Time (g_c), s	6.8	3.2	3.2	5.5	5.6	5.6	2.5	0.0	2.0		0.0	
Green Ratio (*g/C*)	0.78	0.78	0.78	0.78	0.78	0.78	0.09	0.09	0.09			
Capacity (*c*), veh/h	398	2973	1476	594	2973	1473	243	171	145			
Volume-to-Capacity Ratio (*X*)	0.047	0.180	0.180	0.105	0.286	0.286	0.223	0.000	0.259		0.000	
Back of Queue (*Q*), ft/ln (95 th percentile)	4.3	31.6	34.3	11.9	55.5	60.1	51.9	0	36.4		0	
Back of Queue (*Q*), veh/ln (95 th percentile)	0.2	1.3	1.4	0.5	2.2	2.4	2.1	0.0	1.5		0.0	
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
Uniform Delay (d_1), s/veh	3.7	2.5	2.5	3.2	2.7	2.7	38.4	0.0	38.2			
Incremental Delay (d_2), s/veh	0.2	0.1	0.3	0.4	0.2	0.5	0.5	0.0	0.9		0.0	
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	
Control Delay (*d*), s/veh	3.9	2.6	2.8	3.5	3.0	3.2	38.9	0.0	39.1			
Level of Service (LOS)	A	A	A	A	A	A	D		D			
Approach Delay, s/veh / LOS	2.7	A		3.1	A		39.0	D		0.0		
Intersection Delay, s/veh / LOS	4.4						A					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.02	B	1.74	B	2.60	C	2.59	C
Bicycle LOS Score / LOS	0.94	A	1.22	A	0.64	A	0.49	A

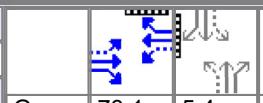
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Feb 16, 2022	Area Type	Other
Jurisdiction	County of Los Angeles	Time Period	Existing - PM	PHF	0.90
Urban Street	Rosecrans Avenue	Analysis Year	2021	Analysis Period	1> 16:45
Intersection	Aprilia - Pvt. Dwy / Rose…	File Name	09PM - Existing.xus		
Project Description	Green Dot Animo Compton				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	8	1706	24	55	785	5	14	0	19	0	0	0

Signal Information			
Cycle, s	90.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On



							1	2	3	4
Green	73.1	5.4	0.0	0.0	0.0	0.0	5	6	7	8
Yellow	5.0	4.0	0.0	0.0	0.0	0.0				
Red	0.5	2.0	0.0	0.0	0.0	0.0				

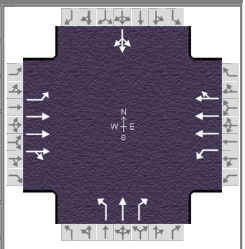
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		6		2		4		8
Case Number		6.0		6.0		5.0		8.0
Phase Duration, s		78.6		78.6		11.4		11.4
Change Period, (*Y+R c*), s		5.5		5.5		6.0		6.0
Max Allow Headway (*MAH*), s		0.0		0.0		4.4		0.0
Queue Clearance Time (*g s*), s						3.1		
Green Extension Time (*g e*), s		0.0		0.0		0.1		0.0
Phase Call Probability						0.60		
Max Out Probability						0.00		

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	9	1284	638	61	586	292	16	0	21		0	
Adjusted Saturation Flow Rate (*s*), veh/h/ln	642	1900	1886	236	1900	1894	1810	1900	1610		0	
Queue Service Time (*g s*), s	0.3	8.6	8.6	8.9	3.1	3.1	0.7	0.0	1.1		0.0	
Cycle Queue Clearance Time (*g c*), s	3.4	8.6	8.6	17.6	3.1	3.1	0.7	0.0	1.1		0.0	
Green Ratio (*g/C*)	0.81	0.81	0.81	0.81	0.81	0.81	0.06	0.06	0.06			
Capacity (*c*), veh/h	579	3086	1532	249	3086	1538	189	114	97			
Volume-to-Capacity Ratio (*X*)	0.015	0.416	0.416	0.245	0.190	0.190	0.082	0.000	0.218		0.000	
Back of Queue (*Q*), ft/ln (95 th percentile)	1.3	68.2	75.8	21.2	24.2	26.8	15.1	0	21.4		0	
Back of Queue (*Q*), veh/ln (95 th percentile)	0.1	2.7	3.0	0.8	1.0	1.1	0.6	0.0	0.9		0.0	
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
Uniform Delay (*d 1*), s/veh	2.3	2.4	2.4	4.9	1.9	1.9	40.1	0.0	40.3			
Incremental Delay (*d 2*), s/veh	0.0	0.4	0.8	2.3	0.1	0.3	0.2	0.0	1.1		0.0	
Initial Queue Delay (*d 3*), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	
Control Delay (*d*), s/veh	2.3	2.8	3.2	7.2	2.0	2.2	40.3	0.0	41.4			
Level of Service (LOS)	A	A	A	A	A	A	D		D			
Approach Delay, s/veh / LOS	2.9	A		2.4	A		40.9	D		0.0		
Intersection Delay, s/veh / LOS	3.2						A					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.01	B	1.75	B	2.60	C	2.59	C
Bicycle LOS Score / LOS	1.55	B	1.00	A	0.55	A	0.49	A

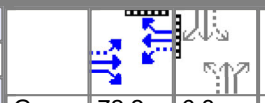
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Apr 4, 2022	Area Type	Other
Jurisdiction	County of Los Angeles	Time Period	Future Cumulative with Project - PM	PHF	0.90
Urban Street	Rosecrans Avenue	Analysis Year	2023	Analysis Period	1> 16:45
Intersection	Aprilia - Pvt. Dwy / Rose…	File Name	09PM - Future Cumulative with Project.xus		
Project Description	Green Dot Animo Compton				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	8	1755	24	59	831	5	21	0	22	0	0	0

Signal Information			
Cycle, s	90.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On



							1	2	3	4
Green	72.2	6.3	0.0	0.0	0.0	0.0	5	6	7	8
Yellow	5.0	4.0	0.0	0.0	0.0	0.0				
Red	0.5	2.0	0.0	0.0	0.0	0.0				

Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		6		2		4		8
Case Number		6.0		6.0		5.0		8.0
Phase Duration, s		77.7		77.7		12.3		12.3
Change Period, ($Y+R_c$), s		5.5		5.5		6.0		6.0
Max Allow Headway (*MAH*), s		0.0		0.0		4.3		0.0
Queue Clearance Time (g_s), s						3.3		
Green Extension Time (g_e), s		0.0		0.0		0.1		0.0
Phase Call Probability						0.70		
Max Out Probability						0.00		

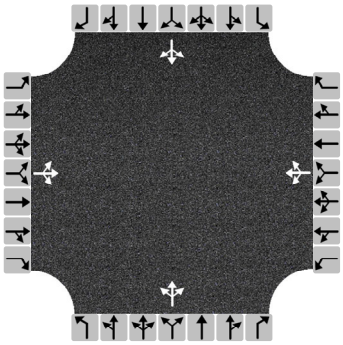
Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (*v*), veh/h	9	1321	656	66	620	309	23	0	24		0	
Adjusted Saturation Flow Rate (*s*), veh/h/ln	612	1900	1886	224	1900	1894	1810	1900	1610		0	
Queue Service Time (g_s), s	0.3	9.5	9.5	11.3	3.5	3.5	1.1	0.0	1.3		0.0	
Cycle Queue Clearance Time (g_c), s	3.8	9.5	9.5	20.8	3.5	3.5	1.1	0.0	1.3		0.0	
Green Ratio (*g/C*)	0.80	0.80	0.80	0.80	0.80	0.80	0.07	0.07	0.07			
Capacity (*c*), veh/h	547	3049	1514	236	3049	1520	206	132	112			
Volume-to-Capacity Ratio (*X*)	0.016	0.433	0.433	0.278	0.203	0.203	0.113	0.000	0.218		0.000	
Back of Queue (*Q*), ft/ln (95 th percentile)	1.4	81.2	89.3	26.2	29.6	32.4	22.5	0	24.4		0	
Back of Queue (*Q*), veh/ln (95 th percentile)	0.1	3.2	3.6	1.0	1.2	1.3	0.9	0.0	1.0		0.0	
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
Uniform Delay (d_1), s/veh	2.5	2.7	2.7	5.8	2.1	2.1	39.5	0.0	39.5			
Incremental Delay (d_2), s/veh	0.1	0.5	0.9	2.9	0.2	0.3	0.2	0.0	1.0		0.0	
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	
Control Delay (*d*), s/veh	2.6	3.1	3.6	8.8	2.2	2.4	39.7	0.0	40.5			
Level of Service (LOS)	A	A	A	A	A	A	D		D			
Approach Delay, s/veh / LOS	3.3	A		2.7	A		40.1	D		0.0		
Intersection Delay, s/veh / LOS	3.7						A					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.01	B	1.75	B	2.60	C	2.59	C
Bicycle LOS Score / LOS	1.58	B	1.03	A	0.57	A	0.49	A

HCS7 All-Way Stop Control Report

General Information		Site Information	
Analyst	JAS	Intersection	Aprilia/Rosecrans Access
Agency/Co.	County of Los Angeles	Jurisdiction	Linscott, Law & Greenspan
Date Performed	2/16/2022	East/West Street	Rosecrans Local Access Rd
Analysis Year	2021	North/South Street	Aprilia Avenue
Analysis Time Period (hrs)	0.25	Peak Hour Factor	0.79
Time Analyzed	Existing - AM		
Project Description	Green Dot Animo Compton		

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	12	4	0	0	14	3	2	9	0	6	9	17
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LTR			LTR			LTR			LTR		
Flow Rate, v (veh/h)	20			22			14			41		
Percent Heavy Vehicles	2			2			2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20			3.20			3.20			3.20		
Initial Degree of Utilization, x	0.018			0.019			0.012			0.036		
Final Departure Headway, hd (s)	4.22			3.96			4.10			3.76		
Final Degree of Utilization, x	0.024			0.024			0.016			0.042		
Move-Up Time, m (s)	2.0			2.0			2.0			2.0		
Service Time, ts (s)	2.22			1.96			2.10			1.76		

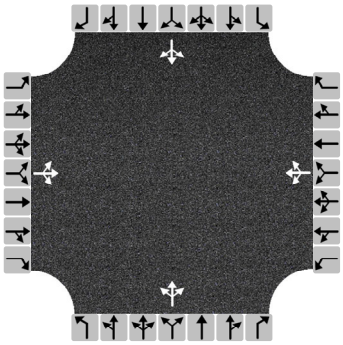
Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	20			22			14			41		
Capacity	854			909			879			958		
95% Queue Length, Q_{95} (veh)	0.1			0.1			0.0			0.1		
Control Delay (s/veh)	7.3			7.1			7.2			6.9		
Level of Service, LOS	A			A			A			A		
Approach Delay (s/veh)	7.3			7.1			7.2			6.9		
Approach LOS	A			A			A			A		
Intersection Delay, s/veh | LOS	7.1						A					

HCS7 All-Way Stop Control Report

General Information		Site Information	
Analyst	JAS	Intersection	Aprilia/Rosecrans Access
Agency/Co.	County of Los Angeles	Jurisdiction	Linscott, Law & Greenspan
Date Performed	4/4/2022	East/West Street	Rosecrans Local Access Rd
Analysis Year	2023	North/South Street	Aprilia Avenue
Analysis Time Period (hrs)	0.25	Peak Hour Factor	0.79
Time Analyzed	Fut. Cum. + Project - AM		
Project Description	Green Dot Animo Compton		

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	76	4	0	0	14	3	2	9	0	6	9	51
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LTR			LTR			LTR			LTR		
Flow Rate, v (veh/h)	101			22			14			84		
Percent Heavy Vehicles	2			2			2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20			3.20			3.20			3.20		
Initial Degree of Utilization, x	0.090			0.019			0.012			0.074		
Final Departure Headway, hd (s)	4.34			4.13			4.33			3.78		
Final Degree of Utilization, x	0.122			0.025			0.017			0.088		
Move-Up Time, m (s)	2.0			2.0			2.0			2.0		
Service Time, ts (s)	2.34			2.13			2.33			1.78		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	101			22			14			84		
Capacity	829			871			832			952		
95% Queue Length, Q_{95} (veh)	0.4			0.1			0.1			0.3		
Control Delay (s/veh)	7.9			7.2			7.4			7.1		
Level of Service, LOS	A			A			A			A		
Approach Delay (s/veh)	7.9			7.2			7.4			7.1		
Approach LOS	A			A			A			A		
Intersection Delay, s/veh | LOS	7.5						A					

HCS7 All-Way Stop Control Report

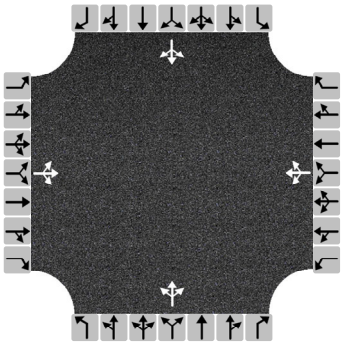
General Information

Analyst	JAS
Agency/Co.	County of Los Angeles
Date Performed	2/16/2022
Analysis Year	2021
Analysis Time Period (hrs)	0.25
Time Analyzed	Existing - AM
Project Description	Green Dot Animo Compton

Site Information

Intersection	Aprilia/Rosecrans Access
Jurisdiction	Linscott, Law & Greenspan
East/West Street	Rosecrans Local Access Rd
North/South Street	Aprilia Avenue
Peak Hour Factor	0.78

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	13	7	7	4	13	10	4	11	4	24	30	14
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LTR			LTR			LTR			LTR		
Flow Rate, v (veh/h)	35			35			24			87		
Percent Heavy Vehicles	2			2			2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20			3.20			3.20			3.20		
Initial Degree of Utilization, x	0.031			0.031			0.022			0.077		
Final Departure Headway, hd (s)	4.15			4.02			4.08			4.05		
Final Degree of Utilization, x	0.040			0.039			0.028			0.098		
Move-Up Time, m (s)	2.0			2.0			2.0			2.0		
Service Time, ts (s)	2.15			2.02			2.08			2.05		

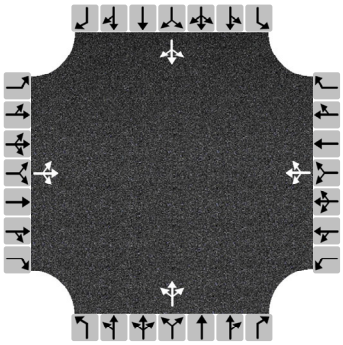
Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	35			35			24			87		
Capacity	868			897			882			888		
95% Queue Length, Q_{95} (veh)	0.1			0.1			0.1			0.3		
Control Delay (s/veh)	7.3			7.2			7.2			7.5		
Level of Service, LOS	A			A			A			A		
Approach Delay (s/veh)	7.3			7.2			7.2			7.5		
Approach LOS	A			A			A			A		
Intersection Delay, s/veh | LOS	7.4						A					

HCS7 All-Way Stop Control Report

General Information		Site Information	
Analyst	JAS	Intersection	Aprilia/Rosecrans Access
Agency/Co.	County of Los Angeles	Jurisdiction	Linscott, Law & Greenspan
Date Performed	4/4/2022	East/West Street	Rosecrans Local Access Rd
Analysis Year	2023	North/South Street	Aprilia Avenue
Analysis Time Period (hrs)	0.25	Peak Hour Factor	0.78
Time Analyzed	Fut. Cum. + Project - AM		
Project Description	Green Dot Animo Compton		

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	23	7	7	4	13	10	4	11	4	24	31	17
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LTR			LTR			LTR			LTR		
Flow Rate, v (veh/h)	47			35			24			92		
Percent Heavy Vehicles	2			2			2			2		

Departure Headway and Service Time

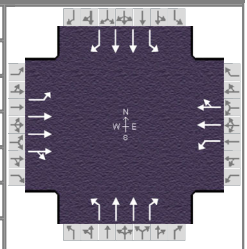
Initial Departure Headway, hd (s)	3.20			3.20			3.20			3.20		
Initial Degree of Utilization, x	0.042			0.031			0.022			0.082		
Final Departure Headway, hd (s)	4.23			4.04			4.12			4.06		
Final Degree of Utilization, x	0.056			0.039			0.028			0.104		
Move-Up Time, m (s)	2.0			2.0			2.0			2.0		
Service Time, ts (s)	2.23			2.04			2.12			2.06		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	47			35			24			92		
Capacity	851			891			874			886		
95% Queue Length, Q_{95} (veh)	0.2			0.1			0.1			0.3		
Control Delay (s/veh)	7.5			7.2			7.2			7.5		
Level of Service, LOS	A			A			A			A		
Approach Delay (s/veh)	7.5			7.2			7.2			7.5		
Approach LOS	A			A			A			A		
Intersection Delay, s/veh | LOS	7.4						A					

HCS7 Signalized Intersection Results Summary

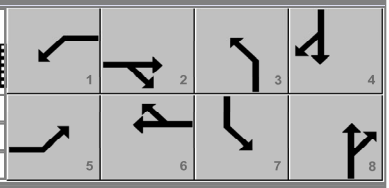
General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Apr 14, 2022	Area Type	Other
Jurisdiction	City of Compton	Time Period	Existing - AM	PHF	0.94
Urban Street	Rosecrans Avenue	Analysis Year	2021	Analysis Period	1> 7:15
Intersection	Central / Rosecrans	File Name	11AM - Existing.xus		
Project Description	Green Dot Animo Compton				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	118	387	118	164	1167	139	168	597	76	90	870	208

Signal Information			
Cycle, s	133.2	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	Yes	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On

Green	11.1	3.6	46.4	8.8	2.3	37.6
Yellow	3.0	0.0	4.5	3.0	3.0	5.0
Red	1.0	0.0	1.0	1.0	1.0	1.0



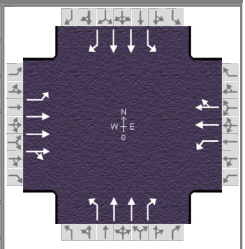
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	5	2	1	6	3	8	7	4
Case Number	2.0	4.0	2.0	4.0	2.0	3.0	2.0	3.0
Phase Duration, s	15.1	51.9	18.7	55.5	19.1	49.8	12.8	43.6
Change Period, ($Y+R_c$), s	4.0	5.5	4.0	5.5	4.0	6.0	4.0	6.0
Max Allow Headway (*MAH*), s	2.6	5.5	2.6	5.5	3.0	5.5	3.1	5.5
Queue Clearance Time (g_s), s	11.1	11.8	14.6	51.7	14.9	21.0	9.0	34.9
Green Extension Time (g_e), s	0.1	21.6	0.1	0.0	0.1	13.1	0.1	2.7
Phase Call Probability	0.99	1.00	1.00	1.00	1.00	1.00	0.97	1.00
Max Out Probability	0.00	0.45	0.02	1.00	0.11	0.65	0.00	1.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	5	2	12	1	6	16	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	126	367	170	174	706	684	179	635	81	96	926	221
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1810	1900	1677	1810	1900	1829	1810	1809	1610	1810	1809	1610
Queue Service Time (g_s), s	9.1	9.3	9.8	12.6	49.2	49.7	12.9	19.0	4.7	7.0	32.9	15.2
Cycle Queue Clearance Time (g_c), s	9.1	9.3	9.8	12.6	49.2	49.7	12.9	19.0	4.7	7.0	32.9	15.2
Green Ratio (*g/C*)	0.08	0.35	0.35	0.11	0.38	0.38	0.11	0.33	0.33	0.07	0.28	0.28
Capacity (*c*), veh/h	150	1323	584	200	713	686	205	1191	530	119	1020	454
Volume-to-Capacity Ratio (*X*)	0.834	0.278	0.291	0.873	0.989	0.996	0.874	0.533	0.153	0.802	0.907	0.487
Back of Queue (*Q*), ft/ln (95 th percentile)	193	191.1	180.3	270.8	926.9	915.7	276.3	325.7	82.9	148.9	564.2	254.9
Back of Queue (*Q*), veh/ln (95 th percentile)	7.7	7.6	7.2	10.8	37.1	36.6	11.1	13.0	3.3	6.0	22.6	10.2
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d_1), s/veh	60.2	31.3	31.5	58.3	41.3	41.5	58.1	36.4	31.6	61.4	46.1	39.8
Incremental Delay (d_2), s/veh	4.5	0.2	0.5	16.4	31.0	33.4	17.3	0.7	0.2	4.7	11.1	1.4
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (*d*), s/veh	64.7	31.5	32.0	74.7	72.3	74.9	75.4	37.1	31.8	66.0	57.2	41.2
Level of Service (LOS)	E	C	C	E	E	E	E	D	C	E	E	D
Approach Delay, s/veh / LOS	37.9	D		73.7	E		44.3	D		55.0	E	
Intersection Delay, s/veh / LOS	56.9						E					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.44	B	2.44	B	2.45	B	2.45	B
Bicycle LOS Score / LOS	0.85	A	1.78	B	1.23	A	1.51	B

HCS7 Signalized Intersection Results Summary

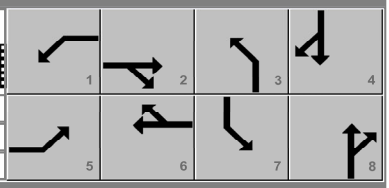
General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Apr 14, 2022	Area Type	Other
Jurisdiction	City of Compton	Time Period	Future Cumulative with Project - AM	PHF	0.94
Urban Street	Rosecrans Avenue	Analysis Year	2023	Analysis Period	1> 7:15
Intersection	Central / Rosecrans	File Name	11AM - Future Cumulative with Project.xus		
Project Description	Green Dot Animo Compton				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	138	420	147	168	1215	185	192	644	81	97	918	262

Signal Information			
Cycle, s	140.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	Yes	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On

Green	13.2	2.5	47.5	9.8	3.9	39.6
Yellow	3.0	0.0	4.5	3.0	3.0	5.0
Red	1.0	0.0	1.0	1.0	1.0	1.0



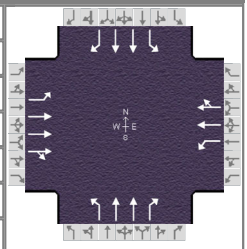
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	5	2	1	6	3	8	7	4
Case Number	2.0	4.0	2.0	4.0	2.0	3.0	2.0	3.0
Phase Duration, s	17.2	53.0	19.7	55.5	21.7	53.5	13.8	45.6
Change Period, ($Y+R_c$), s	4.0	5.5	4.0	5.5	4.0	6.0	4.0	6.0
Max Allow Headway (*MAH*), s	2.6	5.5	2.6	5.5	3.0	5.5	3.1	5.5
Queue Clearance Time (g_s), s	13.2	13.9	15.6	52.0	17.6	23.6	9.9	39.1
Green Extension Time (g_e), s	0.1	23.3	0.1	0.0	0.1	12.5	0.1	0.5
Phase Call Probability	1.00	1.00	1.00	1.00	1.00	1.00	0.98	1.00
Max Out Probability	0.00	0.57	0.09	1.00	1.00	0.76	0.00	1.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	5	2	12	1	6	16	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	147	414	189	179	757	732	204	685	86	103	977	279
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1810	1900	1653	1810	1900	1812	1810	1809	1610	1810	1809	1610
Queue Service Time (g_s), s	11.2	11.3	11.9	13.6	50.0	50.0	15.6	21.6	5.2	7.9	37.1	21.0
Cycle Queue Clearance Time (g_c), s	11.2	11.3	11.9	13.6	50.0	50.0	15.6	21.6	5.2	7.9	37.1	21.0
Green Ratio (*g/C*)	0.09	0.34	0.34	0.11	0.36	0.36	0.13	0.34	0.34	0.07	0.28	0.28
Capacity (*c*), veh/h	171	1290	561	203	678	647	228	1227	546	127	1024	456
Volume-to-Capacity Ratio (*X*)	0.858	0.321	0.336	0.881	1.116	1.131	0.895	0.558	0.158	0.815	0.954	0.612
Back of Queue (*Q*), ft/ln (95 th percentile)	237.6	224.7	211.5	294.7	1243.9	1236.4	337.9	363.7	92.3	169.2	652.8	337.3
Back of Queue (*Q*), veh/ln (95 th percentile)	9.5	9.0	8.5	11.8	49.8	49.5	13.5	14.5	3.7	6.8	26.1	13.5
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d_1), s/veh	62.5	34.3	34.5	61.2	45.0	45.0	60.3	37.7	32.3	64.2	49.3	43.5
Incremental Delay (d_2), s/veh	11.1	0.2	0.6	20.6	71.1	77.3	26.5	0.8	0.2	4.8	18.1	3.1
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (*d*), s/veh	73.6	34.5	35.1	81.8	116.1	122.3	86.8	38.5	32.5	69.0	67.4	46.6
Level of Service (LOS)	E	C	D	F	F	F	F	D	C	E	E	D
Approach Delay, s/veh / LOS	42.3	D		115.1	F		48.1	D		63.2	E	
Intersection Delay, s/veh / LOS	75.0						E					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.45	B	2.45	B	2.45	B	2.45	B
Bicycle LOS Score / LOS	0.90	A	1.86	B	1.29	A	1.61	B

HCS7 Signalized Intersection Results Summary

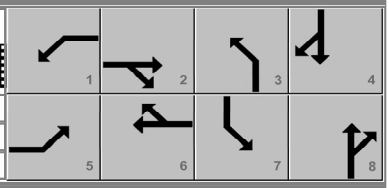
General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Apr 14, 2022	Area Type	Other
Jurisdiction	City of Compton	Time Period	Existing - PM	PHF	0.97
Urban Street	Rosecrans Avenue	Analysis Year	2021	Analysis Period	1> 16:45
Intersection	Central / Rosecrans	File Name	11PM - Existing.xus		
Project Description	Green Dot Animo Compton				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	206	1203	216	113	549	125	163	725	110	203	597	122

Signal Information			
Cycle, s	131.5	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	Yes	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On

Green	10.3	3.0	41.9	14.1	3.0	35.7	
Yellow	3.0	3.0	4.5	3.0	0.0	5.0	
Red	1.0	1.0	1.0	1.0	0.0	1.0	



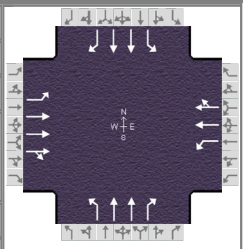
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	5	2	1	6	3	8	7	4
Case Number	2.0	4.0	2.0	4.0	2.0	3.0	2.0	3.0
Phase Duration, s	21.3	54.4	14.3	47.4	18.1	41.7	21.1	44.7
Change Period, ($Y+R_c$), s	4.0	5.5	4.0	5.5	4.0	6.0	4.0	6.0
Max Allow Headway (*MAH*), s	2.6	5.5	2.6	5.5	3.0	5.5	3.1	5.5
Queue Clearance Time (g_s), s	17.2	31.6	10.3	22.9	14.0	27.0	17.0	21.0
Green Extension Time (g_e), s	0.1	14.2	0.1	19.0	0.1	8.8	0.1	11.4
Phase Call Probability	1.00	1.00	0.99	1.00	1.00	1.00	1.00	1.00
Max Out Probability	0.75	0.77	0.00	0.65	0.04	0.70	1.00	0.53

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	5	2	12	1	6	16	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	212	1002	461	116	358	337	168	747	113	209	615	126
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1810	1900	1748	1810	1900	1778	1810	1809	1610	1810	1809	1610
Queue Service Time (g_s), s	15.2	29.6	29.6	8.3	20.8	20.9	12.0	25.0	7.3	15.0	19.0	7.9
Cycle Queue Clearance Time (g_c), s	15.2	29.6	29.6	8.3	20.8	20.9	12.0	25.0	7.3	15.0	19.0	7.9
Green Ratio (*g/C*)	0.13	0.37	0.37	0.08	0.32	0.32	0.11	0.27	0.27	0.13	0.29	0.29
Capacity (*c*), veh/h	238	1414	650	141	606	567	194	983	437	235	1064	473
Volume-to-Capacity Ratio (*X*)	0.894	0.709	0.709	0.824	0.591	0.594	0.864	0.761	0.259	0.890	0.579	0.266
Back of Queue (*Q*), ft/ln (95 th percentile)	330.3	493.8	472.1	177.9	372.2	354.7	254.5	420.9	129.2	324.7	331.1	140.8
Back of Queue (*Q*), veh/ln (95 th percentile)	13.2	19.8	18.9	7.1	14.9	14.2	10.2	16.8	5.2	13.0	13.2	5.6
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d_1), s/veh	56.2	35.2	35.2	59.7	37.6	37.6	57.8	44.0	37.5	56.3	39.5	35.6
Incremental Delay (d_2), s/veh	24.5	1.9	4.0	4.5	1.6	1.7	13.7	3.4	0.5	23.6	1.0	0.5
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (*d*), s/veh	80.7	37.1	39.2	64.2	39.2	39.3	71.5	47.4	38.1	79.9	40.5	36.1
Level of Service (LOS)	F	D	D	E	D	D	E	D	D	E	D	D
Approach Delay, s/veh / LOS	43.2	D		42.8	D		50.3	D		48.6	D	
Intersection Delay, s/veh / LOS	45.9						D					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.44	B	2.45	B	2.45	B	2.45	B
Bicycle LOS Score / LOS	1.41	A	1.16	A	1.34	A	1.27	A

HCS7 Signalized Intersection Results Summary

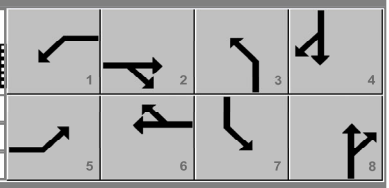
General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Apr 18, 2022	Area Type	Other
Jurisdiction	City of Compton	Time Period	Future Cumulative with Project - PM	PHF	0.97
Urban Street	Rosecrans Avenue	Analysis Year	2023	Analysis Period	1> 16:45
Intersection	Central / Rosecrans	File Name	11PM - Future Cumulative with Project.xus		
Project Description	Green Dot Animo Compton				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	214	1233	229	118	572	144	172	757	114	211	624	138

Signal Information			
Cycle, s	136.1	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	Yes	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On

Green	11.0	3.4	43.0	15.2	3.0	37.1
Yellow	3.0	3.0	4.5	3.0	0.0	5.0
Red	1.0	1.0	1.0	1.0	0.0	1.0



Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	5	2	1	6	3	8	7	4
Case Number	2.0	4.0	2.0	4.0	2.0	3.0	2.0	3.0
Phase Duration, s	22.4	55.9	15.0	48.5	19.2	43.1	22.2	46.0
Change Period, ($Y+R_c$), s	4.0	5.5	4.0	5.5	4.0	6.0	4.0	6.0
Max Allow Headway (*MAH*), s	2.6	5.5	2.6	5.5	3.0	5.5	3.1	5.5
Queue Clearance Time (g_s), s	18.3	34.0	11.0	25.5	15.1	29.3	18.1	22.8
Green Extension Time (g_e), s	0.0	12.9	0.1	17.5	0.1	7.8	0.1	11.2
Phase Call Probability	1.00	1.00	0.99	1.00	1.00	1.00	1.00	1.00
Max Out Probability	1.00	0.83	0.00	0.72	0.13	0.80	1.00	0.61

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	5	2	12	1	6	16	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	221	1033	474	122	382	356	177	780	118	218	643	142
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1810	1900	1744	1810	1900	1768	1810	1809	1610	1810	1809	1610
Queue Service Time (g_s), s	16.3	32.0	32.0	9.0	23.4	23.5	13.1	27.3	7.8	16.1	20.8	9.3
Cycle Queue Clearance Time (g_c), s	16.3	32.0	32.0	9.0	23.4	23.5	13.1	27.3	7.8	16.1	20.8	9.3
Green Ratio (*g/C*)	0.14	0.37	0.37	0.08	0.32	0.32	0.11	0.27	0.27	0.13	0.29	0.29
Capacity (*c*), veh/h	245	1407	646	146	600	558	203	985	438	242	1063	473
Volume-to-Capacity Ratio (*X*)	0.902	0.734	0.734	0.833	0.636	0.639	0.875	0.793	0.268	0.900	0.605	0.301
Back of Queue (*Q*), ft/ln (95 th percentile)	357.5	533	509.9	191.9	415.1	393.4	280.9	458	139.6	351.8	358.5	167.5
Back of Queue (*Q*), veh/ln (95 th percentile)	14.3	21.3	20.4	7.7	16.6	15.7	11.2	18.3	5.6	14.1	14.3	6.7
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d_1), s/veh	58.0	37.1	37.1	61.7	39.9	39.9	59.5	46.0	38.9	58.1	41.3	37.2
Incremental Delay (d_2), s/veh	28.4	2.3	4.9	4.6	2.2	2.4	18.2	4.4	0.6	27.6	1.3	0.6
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (*d*), s/veh	86.3	39.4	42.0	66.3	42.1	42.3	77.7	50.4	39.4	85.6	42.6	37.8
Level of Service (LOS)	F	D	D	E	D	D	E	D	D	F	D	D
Approach Delay, s/veh / LOS	46.1	D		45.6	D		53.7	D		51.2	D	
Intersection Delay, s/veh / LOS	48.9						D					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.44	B	2.45	B	2.45	B	2.45	B
Bicycle LOS Score / LOS	1.44	A	1.20	A	1.37	A	1.32	A

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC & LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

LACO - 1R WWV - TIME - BASED

TYPE 170 PROGRAM

Intersection: ROSECRANS AVE @ AVALON BL

Date Prepared: SMP 9/25/17 By: MSA

T.S. No.: 0360

Date Implemented: 10-24-17 By: OP

PHASE TIMING

Keystrokes: F + Phase + Interval

Phase #		1	2	3	4	5	6	7	8
Minimum Walk	0	0	7	0	8	0	9	0	9
Flashing Don't Walk	1	0	23	0	22	0	24	0	24
Minimum Green	2	4	9	4	7	4	9	4	7
Queue Maximum	3	0	20	0	25	0	20	0	25
Added Green/Actuation	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vehicle Extension	5	2.5	2.0	2.5	2.0	2.5	2.0	2.5	2.0
Maximum Gap	6	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Minimum Gap	7	2.5	0.5	2.5	0.5	2.5	0.5	2.5	0.5
Max Extension 1 (Free)	8	20	50	20	50	20	50	20	50
Max Extension 2 (Coord)	9	0	0	0	0	0	0	0	0
Offset 1	A	Dial 1	Dial 2	Dial 3					
Offset 2	b								
Offset 3	C								
Reduce 0.1 Sec. Every...	d	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0
Yellow	E	3.5	5.0	3.0	5.0	3.5	5.0	3.0	5.0
Red Clearance	F	1.0	0.5	1.0	2.0	1.0	0.5	1.0	2.0

Max Added Green	F-0-E	0
Red Revert	F-0-F	2.0

PREEMPTION

Keystrokes: F+E+Function

RR Select (0, 1, 2)	1	0
Track Clearance	0	1
RR Red	6.0	2
RR2 Maximum(Minutes)		3
EV-A Delay		4
EV-A Clearance		5
EV-B Delay		6
EV-B Clearance		7
EV-C Delay		8
EV-C Clearance		9
EV-D Delay		A
EV-D Clearance		b
EV Maximum (Seconds)		C
Delay Timer		d
Clerance Timer		E
Maximum Timer		F

PHASE FUNCTION FLAGS

Keystokes: F+F+Function

		1	2	3	4	5	6	7	8
Phases Permitted	0	X	X	X	X	X	X	X	X
Red Lock	1								
Red & Yellow Lock	2		X		X		X		X
Minimum Vehicle Recall	3								
Pedestrian Recall + Rest in Walk	4								
Pedestrian Phases	5		X		X		X		X
Rest in Red	6								
Semi Traffic Actuated Mode	7								
Double Entry	8								
Maximum Vehicle Recall	9								
Overlap A	A								
Overlap B	b								
Barrier Recall	C		X		X		X		X
Rest in Green	d								
Yellow Start Up	E		X				X		
Protected/Permissive Left Turn	F	X		X		X		X	

LAG PHASE FLAGS

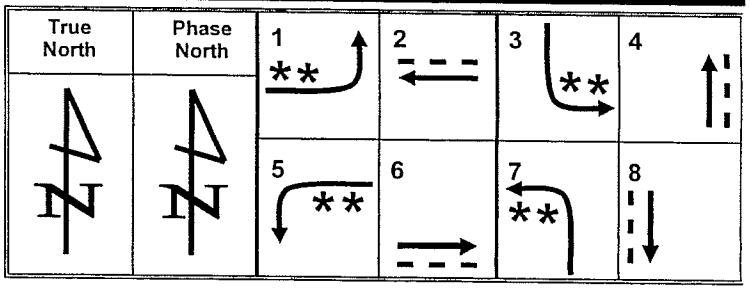
		1	2	3	4	5	6	7	8
Lag Free	d-F-0		X		X		X		X
Lag Dial 1	d-F-1								
Lag Dial 2	d-F-2								
Lag Dial 3	d-F-3								

Remarks: BATTERY BACKUP SYSTEM INTERSECTION

* A. "RR Select' & "RR Red" are used for clearance timing for Battery Backup System Switching from flash mode to auto mode sequences when normal power is restored.

B. Wiring is modified for above clearance timing. See page 8 .

** Protected Permissive Phasing



LACO-1R WWV DETECTOR ASSIGNMENTS

T.S.: 0360 Intersection: ROSECRANS AVE @ AVALON BL Date Prepared: SMP 9/25/17 By: MSA 6-29-17 CR

App	Lanes	Description	Phase File - Slot Channel	Delay Code	Delay Seconds	Extended Call Code	Extended Call Seconds	Remarks (Note: The four Programmable Detectors will default to normal phasing if not flagged.)	Yellow Disconnect Code	Yellow Disconnect Lite	Yellow Disconnect On	Queue Clearing Code	Queue Clearing Lite	Queue Clearing On
W	LT	HOLDING:3-6'X6'	(S) 1I1U	d10		d30		JUMPERED FROM (2I3U)	dF4	1		dF8	1	
			1I1L											
E	LT,1,2	ADVANCE	2I2U	d11		d31	2.5		dF4	2		dF8	2	
			2I2L	d12		d32			dF4	3		dF8	3	
W	LT	HOLDING:3-6'X6'	(P) 2I3U	d13		d33		JUMPERED TO (1I1U)	dF4	4		dF8	4	
			2I3L	d14		d34			dF4	5		dF8	5	
E	1,2	QUEUE	2I4U	d15		d35	1.0	Call Ø 1 2 3 4 5 6 7 8	dF4	6		dF8	6	X
E	3	QUEUE	2I4L					dd8	dF4			dF8		
N	LT	6'X25'	(S) 3I5U	d16		d36		JUMPERED FROM (4I7U)	dF4	7		dF8	7	
			3I5L						dF4			dF8		
S	1,2	ADVANCE	4I6U	d17		d37	2.5		dF4	8		dF8	8	
			4I6L	d18		d38			dF5	1		dF9	1	
N	LT	HOLDING	(P) 4I7U	d19		d39		JUMPERED TO (3I5U)	dF5	2		dF9	2	
			4I7L	d1A		d3A			dF5	3		dF9	3	
S	1, 2-1	QUEUE	4I8U	d1b		d3b	1.0	Call Ø 1 2 3 4 5 6 7 8	dF5	4		dF9	4	X
S	2-2	QUEUE: 6'X30'	4I8L					dd9	dF5			dF9		
			1I9U	d1C		d3c			dF5	5		dF9	5	
			3I9L	d1d		d3d			dF5	6		dF9	6	
E	LT	3-6'X6'	(S) 5J1U	d20		d40		JUMPERED FROM (6J3U)	dF6	1		dFA	1	
			5J1L						dF6			dFA		
W	LT,1,2	ADVANCE	6J2U	d21		d41	2.5		dF6	2		dFA	2	
			6J2L	d22		d42			dF6	3		dFA	3	
E	LT	HOLDING:3-6'X6'	(P) 6J3U	d23		d43		JUMPERED TO (5J1U)	dF6	4		dFA	4	
			6J3L	d24		d44			dF6	5		dFA	5	
W	1,2	QUEUE	6J4U	d25		d45	1.0	Call Ø 1 2 3 4 5 6 7 8	dF6	6		dFA	6	X
W	3	QUEUE	6J4L					ddA	dF6			dFA		
S	LT	6'X30'	(S) 7J5U	d26		d46		JUMPERED FROM (8J7U)	dF6	7		dFA	7	
			7J5L						dF6			dFA		
N	1,2	ADVANCE	8J6U	d27		d47	2.5		dF6	8		dFA	8	
			8J6L	d28		d48			dF7	1		dFb	1	
S	LT	HOLDING	(P) 8J7U	d29		d49		JUMPERED TO (7J5U)	dF7	2		dFb	2	
			8J7L	d2A		d4A			dF7	3		dFb	3	
N	1,2-1	QUEUE	8J8U	d2b		d4b	1.0	Call Ø 1 2 3 4 5 6 7 8	dF7	4		dFb	4	X
N	2-2	QUEUE	8J8L					ddb	dF7			dFb		
			5J9U	d2C		d4C			dF7	5		dFb	5	
			7J9L	d2d		d4d			dF7	6		dFb	6	

YELLOW DISCONNECT QUICK REFERENCE

	Call Lights							
Code	1	2	3	4	5	6	7	8
dF4								
dF5								
dF6								
dF7								

Remarks:

QUEUE CLEARING DETECTOR QUICK REFERENCE

	Call Lights							
Code	1	2	3	4	5	6	7	8
dF8						X		
dF9				X				
dFA						X		
dFb				X				

LACO-1R WWV - TIME - BASED COORDINATION

T.S. No. : 0360 Intersection: ROSECRANS AVE @ AVALON BL

System Limits:

Remote Master: WWV Date Prepared: SMP 9/25/17 By: MSA

Date Implemented: 10-24-17 By: DP

TIME OF DAY OPERATION SUMMARY			
	Dial 1	Dial 2	Dial 3 / Offset Timing
Offset 1			
Offset 2			
Offset 3			
Free			
Special			

* Set Local Manual to 14 (free) before setting or changing dial intervals & functions. Setting either of the Manuals to 0 will release that Manual.
Offset Timing Mode:
A 12 at C-0-1 or by T.O.D enables this mode and uses the Dial 3 Intervals and Functions.

Observe:

Call	d-F-C
Hold	d-F-d
Ped Restrict	d-F-E
Force - Off	d-F-F
Cycle with Field Calls	C-0-b
Master Sync Pulse Width	d-0-d

INTERCONNECT SELECT

d-0-0 [ ] 7 = Slave [X] 170 = Master

d-0-E Set Maximum Width 4.0 Seconds
d-0-F Set Minimum Width 1.0 Seconds

Remarks:

Keystrokes:
C + Column + Row

Coordination Parameters		INTERVALS (in seconds)			FUNCTION FLAGS												
					DIAL 1				DIAL 2				DIAL 3 / OFFSET TIMING				
		Dial 1	Dial 2	Dial 3	Force Off	Hold	Ped Rstrict	Call	Force Off	Hold	Ped Rstrict	Call	Force Off	Hold	Ped Rstrict	Call	
0	Int	1	2	3	4	5	6	7	8	9	A	b	C	d	E	F	Int
System Manual* 14	0																0
Local Manual* 14	1																1
Master Dial	2																2
Current Dial	3																3
Offset Number	4																4
Time of Day Plan	5																5
Function 6 14	6																6
Current Table	7																7
Minimum Cycle 0	8																8
Maximum Cycle 255	9																9
Master Timer	A																A
Local Timer	b																b
New Offset	C																C
Current Offset	d																d
Last Master Cycle	E																E
Last Local Cycle	F																F

LACO-1R WWV TIME BASE UNIT

CLOCK AND EVENT TABLE SHEET

Intersection: ROSECRANS AVE @ AVALON BL Date Prepared: 8mp 9/25/17 By: HSA

T.S. No.: 0360 Date Implemented: 10-24-17 By: CR

CONTROL CODE A-C

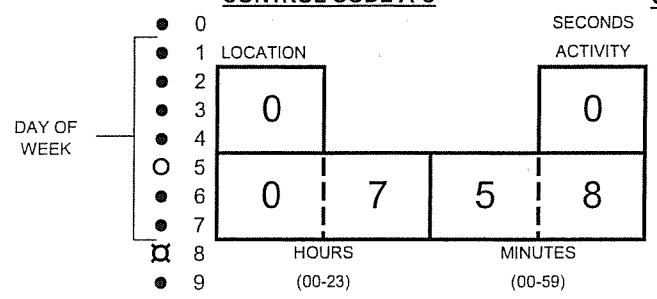


FIG. 1

CONTROL CODE A-D

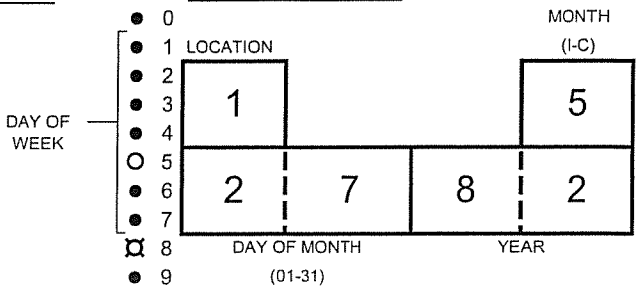


FIG. 2

ABOVE EXAMPLES

7:58 A.M. ON THURSDAY (FIG. 1)
MAY 27, 1982 (FIG. 2)

DAY OF WEEK

1	SUNDAY
2	MONDAY
3	TUESDAY
4	WEDNESDAY
5	THURSDAY
6	FRIDAY
7	SATURDAY

MONTH

1	JANUARY	7	JULY
2	FEBRUARY	8	AUGUST
3	MARCH	9	SEPTEMBER
4	APRIL	A	OCTOBER
5	MAY	B	NOVEMBER
6	JUNE	C	DECEMBER

DIRECTIONS

At control code A - C, key in hours and minutes, then key in 0 for seconds activity. Enter key E and turn on call light corresponding to day of the week. (NOTE: Seconds start at 0 seconds - for observation and correction use address D - 4 - F).
At cibtrik cide A - D, key in the day of the month, year and month, then enter key E.

CONTROL CODE 9-3

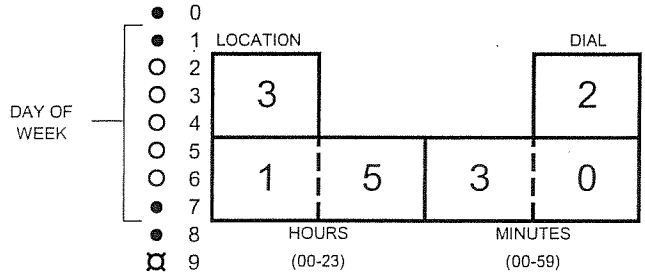


FIG. 3

ABOVE EXAMPLE

The example (FIG. 3), shows a time of day event at control code 9-3 with dial 2 to start at 3:30 P.M. each weekday from Monday through Friday.

DIRECTIONS

To set an event, key in 9 + the table location, key in hour, minute, and event, then enter key E. Set day(s) with call/active lights. To observe current event use address C - 0 - 5. (NOTE: These time of day events are local - not system events.)

REMARKS:

EVENT TABLE

FOR DIRECT INTERCONNECT ONLY. (D00=7)

LOC. 9+ ↓	TIME	EVENT *DIAL	DAY AND LIGHT ← Set DAY using call/active LIGHT → SUN 1	MON 2	TUE 3	WED 4	THUR 5	FRI 6	SAT 7
0									
1									
2									
3									
4									
5									
6									
7									
8									
9									
A									
B									
C									
D									
E									
F									

* DIAL 1 = 1, 2 = 2, 3 = 3, FREE = E, OFF = 0.
(NOTE: At C - 0 - 5, Free = 14)
OFFSET TIMING =C T.O.D. FLASH=F

LACO-1R WWV - TIME - BASED EVENT TABLES

Intersection: ROSECRANS AVE @ AVALON BL

Date Prepared: Sept 25 17 By: MSA

T.S. No.: 0360

Date Implemented: 10-24-17 By:

TABLE 0 - DEFAULT			s	m	t	w	t	f	s
Code	Hour : Min	Plan	1	2	3	4	5	6	7
0 -0	:								
0 -1	:								
0 -2	:								
0 -3	:								
0 -4	:								
0 -5	:								
0 -6	:								
0 -7	:								
0 -8	:								
0 -9	:								
0 -A	:								
0 -b	:								
0 -C	:								
0 -d	:								
0 -E	:								
0 -F	:								

TABLE 3			s	m	t	w	t	f	s
Code	Hour : Min	Plan	1	2	3	4	5	6	7
3 -0	:								
3 -1	:								
3 -2	:								
3 -3	:								
3 -4	:								
3 -5	:								
3 -6	:								
3 -7	:								
3 -8	:								
3 -9	:								
3 -A	:								
3 -b	:								
3 -C	:								
3 -d	:								
3 -E	:								
3 -F	:								

ANNUAL EVENTS			s	m	t	w	t	f	s
Code	Month / N^{th}	Table	1	2	3	4	5	6	7
5 -0	/								
5 -1	/								
5 -2	/								
5 -3	/								
5 -4	/								
5 -5	/								
5 -6	/								
5 -7	/								
5 -8	/								
5 -9	/								
5 -A	/								
5 -b	/								
5 -C	/								
5 -d	/								
5 -E	/								
5 -F	/								

TABLE 1			s	m	t	w	t	f	s
Code	Hour : Min	Plan	1	2	3	4	5	6	7
1 -0	:								
1 -1	:								
1 -2	:								
1 -3	:								
1 -4	:								
1 -5	:								
1 -6	:								
1 -7	:								
1 -8	:								
1 -9	:								
1 -A	:								
1 -b	:								
1 -C	:								
1 -d	:								
1 -E	:								
1 -F	:								

Plan = Plan Number

		D1	D2	D3
O1	=	1	2	3
O2	=	4	5	6
O3	=	7	8	9

Plans:
A = Arrows On
B = TOD Output On
C = Offset Timing
D = Arrows / TOD Output Off
E = Function 6
F = Flash

Keys:
0 = No Days
8 = All Days
9 = Weekdays

Table #4, N^{th} = The number of the occurrence in the month (1-5). 99 = Always the last occurance in the month.

I.E. Thanksgiving = 11/04 [Table] and Thursday.

ANNUAL EVENTS			s	m	t	w	t	f	s
Code	Month / N^{th}	Table	1	2	3	4	5	6	7
6 -0	/								
6 -1	/								
6 -2	/								
6 -3	/								
6 -4	/								
6 -5	/								
6 -6	/								
6 -7	/								
6 -8	/								
6 -9	/								
6 -A	/								
6 -b	/								
6 -C	/								
6 -d	/								
6 -E	/								
6 -F	/								

TABLE 2			s	m	t	w	t	f	s
Code	Hour : Min	Plan	1	2	3	4	5	6	7
2 -0	:								
2 -1	:								
2 -2	:								
2 -3	:								
2 -4	:								
2 -5	:								
2 -6	:								
2 -7	:								
2 -8	:								
2 -9	:								
2 -A	:								
2 -b	:								
2 -C	:								
2 -d	:								
2 -E	:								
2 -F	:								

FLOATING HOLIDAYS			s	m	t	w	t	f	s
Code	Month / N^{th}	Table	1	2	3	4	5	6	7
4 -0	/								
4 -1	/								
4 -2	/								
4 -3	/								
4 -4	/								
4 -5	/								
4 -6	/								
4 -7	/								
4 -8	/								
4 -9	/								
4 -A	/								
4 -b	/								
4 -C	/								
4 -d	/								
4 -E	/								
4 -F	/								

ANNUAL EVENTS			s	m	t	w	t	f	s
Code	Month / N^{th}	Table	1	2	3	4	5	6	7
7 -0	/								
7 -1	/								
7 -2	/								
7 -3	/								
7 -4	/								
7 -5	/								
7 -6	/								
7 -7	/								
7 -8	/								
7 -9	/								
7 -A	/								
7 -b	/								
7 -C	/								
7 -d	/								
7 -E	/								
7 -F	/								

LACO-1R WWV-TIME-BASED ANNUAL TABLES

Intersection: ROSECRANS AVE @ AVALON BL Date Prepared: 8mp 9/25/17 By: MJA

T.S. No.: 0360 Date Implemented: 10-24-17 By: SP

EXCEPTION DAYS			s	m	t	w	t	f	s
Code	Month / Day	Flag	1	2	3	4	5	6	7
8 - 0	/								
8 - 1	/								
8 - 2	/								
8 - 3	/								
8 - 4	/								
8 - 5	/								
8 - 6	/								
8 - 7	/								
8 - 8	/								
8 - 9	/								
8 - A	/								
8 - b	/								
8 - C	/								
8 - d	/								
8 - E	/								
8 - F	/								

EXCEPTION TIMES			Table 8 Flags						
Code	Hour : Min	Plan	1	2	3	4	5	6	7
9 - 0	:								
9 - 1	:								
9 - 2	:								
9 - 3	:								
9 - 4	:								
9 - 5	:								
9 - 6	:								
9 - 7	:								
9 - 8	:								
9 - 9	:								
9 - A	:								
9 - b	:								
9 - C	:								
9 - d	:								
9 - E	:								
9 - F	:								

NOTES ON USING TABLES:

Starting from the base display [A/b], Table access is gained with a two digit Table Code. Access is verified by the flashing of both Call Light 9 and the Phase digit* of the display (* No Flash if Table # & Event # match).

Five keypresses will be required followed by [E] to either the data and open the flag mode. Day of Week flags can now be set.

ADDITIONAL KEY CODES:

d-0-3=1 Search Tables
d-0-3=3 Repoll WWV Clock
d-A-F=1 Repoll WWV Clock
d-0-3=071 Save Timing to Prom Module
d-0-3=170 Download TIming into 170
d-0-3=999 Clear All Tables
F-0-0=Phase/Dial Copy - Source
F-0-1=Phase/Dial Copy - Destination
F-0-4=Program Number (66)
d-0-8,9,A=Mo,Day,Yr of Latest Revision
E-E-0-0= Reinitialization

SPECIAL FUNCTION TABLE									
Keystrokes: F + d + Function									
		Phase Flags							
		1	2	3	4	5	6	7	8
(Green) Calling Phases	0								
(Green) Call To Phases	1								
(Yellow) Calling Phases	2								
(Yellow) Call To Phases	3								
Auxiliary Ovlp A Output	4								
Mid-Block Ped Crossing	5								
Driveway Flash	6								
Green Extension	7								
Sequential Ped	8								
Not Used	9								
EV- A Clearance Phases	A								
EV- B Clearance Phases	b								
EV- C Clearance Phases	C								
EV- D Clearance Phases	d								
Track Clerance Phases	E								
Limited Servces Phases	F								

When Any Flagged Phase Is Green ---
--- Place A Locked Call To These Phases.
When Any Flagged Phase Is Yellow ---
--- Place A Locked Call To These Phases.
"Three Color single Phase Overlap" Outputs On Auxiliary File - Slot 1
Ø4P Only. Ø2 & Ø6 Reds Flash During Ø4P Clearance
Flashes The Green Outputs of The Selected Phases
Staggered Termination At Barrier Crossing
Allows Ø1, Ø3 or Ø5 Ped to output on the Ø8P Load Switch

OVERLAP GREEN OMIT	Keys	1	2	3	4	5	6	7	8
Green Omit for Overlap A	F-C-4								
Green Omit for Overlap B	F-C-5								
Green Omit for Overlap C	F-C-6								
Green Omit for Overlap D	F-C-7								

F-9-7		Coordination Free Time (Seconds) After railroad preempt
F-9-d		Green Rest Delay Time (Seconds)
d-0-1		RAILROAD ROUTINE SELECT: 0=Normal Railroad 1=Special Two Input Railroad Routine
d-0-2		MANUAL CONTROL: 0=Not Enabled 1=No Rcalls 2=Vehicle recalls 3=Vehicle and Ped Recalls

PHASE OMIT	Keys	1	2	3	4	5	6	7	8
Phase Omit (Observe Only)	d-d-4								
Phase Omit for Dial 1	d-d-5								
Phase Omit for Dial 2	d-d-6								
Phase Omit for Dial 3	d-d-7								

ADDITIONAL OVERLAPS	Keys	1	2	3	4	5	6	7	8
Aux File 2 Color Overlap C	d-d-C								
Aux File 2 Color Overlap D	d-d-d								
Ø7 Load Sw. 3 Color Ovrlp E	d-d-E								
Green Omit for Overlap E	d-d-F								

PHASE OMIT is active when Coordination CALL function is active and the OMIT flag is set.

Overlap E will not function if the Railroad Preempt has been selected.

LACO-1R WWV TIME BASED
COMMUNICATIONS & SPECIAL OPTIONS

Intersection: ROSECRANS AVE @ AVALON BL Date Prepared: SMP 9/25/17 By: MSA

T.S. No.: 0360 Date Implemented: 10-24-17 By: SP

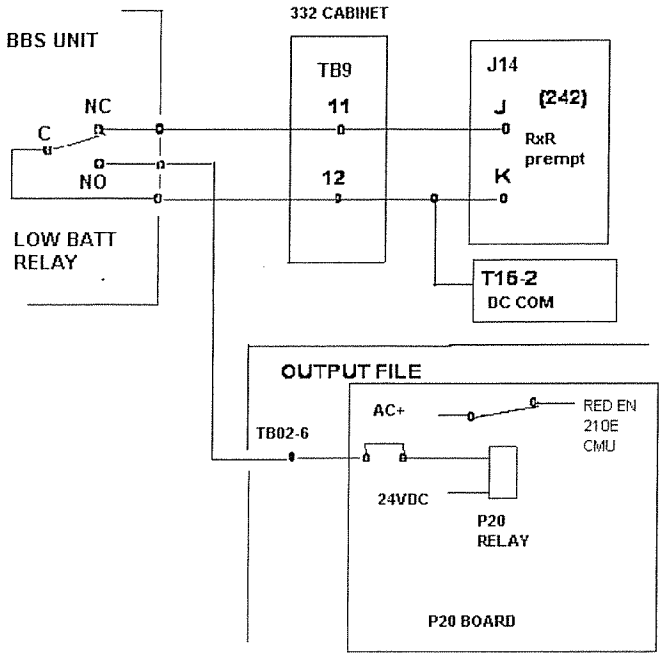
SPECIAL OPTIONS	Keys								
Comm 3 Options	F-9-3								
		1	2	3	4	5	6	7	8
User Flag Options	F-C-2								
AB3418 Slave Number (1-62)	F-9-0								

Comm 3 Options (F-9-3)
1. Unused
2. Transmit 7-Wire
3. Unused
4. Transmit Time & Day
5. Unused
6. Transmit Plan
7. Transmit State Protocal AB3418 Time & Date
8. Receive & Respond to State Protocal AB3418

Note: A Slave Number must be entered at F-9-0 (1-62) when using Option # 8.

User Flag Options (F-C-2)
1. Send out the "System Sync Pulse" on Phase 4 Ped Yellow
2. Send out the "Time of Day Output" on Phase 4 Ped Yellow
3. Send out the "Midnight Sync Pulse" on Phase 4 Ped Yellow
4. Reserved
5. Enable AB3418 to set the Time & Date
6. Enable AB3418 to set the Coordination Free
7. Enable the Special Time of Day Overlap B
8. Enable the Freeway Ramp Release Logic Routine

A LOW BATTERY PREEMPT FOR BATTERY BACKUP SYSTEMS



In the controller, Railroad Preempt 1 will be enabled, with RR Red set to 6 sec.

In normal operation, railroad preempt will be false (low) and the CMU's Red Enable input will be true (AC+). The signal will run normally.

During a low battery state with loss of utility power, the low battery relay will pick, railroad preempt will be true and the CMU's Red Enable will be false (open). The signal will transition to a flashing red condition (RR 1).

When utility power returns, the signal will exit railroad preempt, that is will go "all-red" for 6 sec's, and return to normal operation.

Jason Shender

From: Marty Amundson <MAMUND@dpw.lacounty.gov>
Sent: Friday, March 18, 2022 10:44 AM
To: Jason Shender
Subject: RE: Signal Timing Plan Request - ESTU2021000301

Hi Jason,

When we updated the Walk, FDW, Yellow and Red Clear intervals in 2017, the existing 90 second cycle could not accommodate these changes. So, we placed the intersection on Free until we could redo the coordination timing for both routes which is scheduled to be done with the Avalon BI TSSP project that is currently under design.

Most likely the cycle length will be designed for 120 seconds for both routes. If you need splits for your analysis, use 15 sec green for all LT's and 34 sec green for all Thru movements.

Marty Amundson
Sr. Civil Engineer
Los Angeles County Public Works
(626) 300-2012

From: Jason Shender <jshender@llgengineers.com>
Sent: Thursday, March 17, 2022 8:28 AM
To: Marty Amundson <MAMUND@dpw.lacounty.gov>
Subject: RE: Signal Timing Plan Request - ESTU2021000301

Hi Marty,

I had a question regarding the Avalon / Rosecrans intersection? Is the intersection coordinated? If so, are the cycle length and/or phase splits known? This information isn't provided in the timing sheet so I just wanted to double check.

Thanks,

Jason Shender, AICP
Transportation Planner III
jshender@llgengineers.com

Linscott, Law & Greenspan, Engineers
20931 Burbank Blvd, Suite C
Woodland Hills, CA 91367
818.835.8648 x225
www.llgengineers.com

From: Marty Amundson <MAMUND@dpw.lacounty.gov>
Sent: Monday, February 14, 2022 1:35 PM
To: Jason Shender <jshender@llgengineers.com>
Subject: RE: Signal Timing Plan Request - ESTU2021000301

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC & LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

LACO - 1R WWV - TIME - BASED

TYPE 170 PROGRAM

Intersection: Rosecrans Av @ Stanford Av

T.S. No.: 0855

Date Prepared: 6-22-17 SDD By: DFA

Date Implemented: 7-3-17 By: OP

PHASE TIMING

Keystrokes: F + Phase + Interval

Phase #		1	2	3	4	5	6	7	8
Minimum Walk	0		10		12		0		
Flashing Don't Walk	1		12		23		0		
Minimum Green	2		10		9		10		
Queue Maximum	3		0		0		0		
Added Green/Actuation	4		1.5		0.0		0.0		
Vehicle Extension	5		4.0		3.0		2.0		
Maximum Gap	6		5.0		3.0		2.0		
Minimum Gap	7		3.0		3.0		2.0		
Max Extension 1 (Free)	8		50		35		50		
Max Extension 2 (Coord)	9		100		35		100		
Offset 1	A	Dial 1 82	Dial 2 7	Dial 3 5					
Offset 2	b								
Offset 3	C								
Reduce 0.1 Sec. Every...	d		1.5		0.0		0.0		
Yellow	E		5.0		4.5		5.0		
Red Clearance	F		0.5		1.0		0.5		

Max Added Green	F-0-E	25
Red Revert	F-0-F	2.0

Remarks:

PREEMPTION

Keystrokes: F+E+Function

RR Select (0, 1, 2)		0
Track Clearance		1
RR Red		2
RR2 Maximum(Minutes)		3
EV-A Delay		4
EV-A Clearance		5
EV-B Delay		6
EV-b Clearance		7
EV-C Delay		8
EV-A Clearance		9
EV-D Delay		A
EV-D Clearance		b
EV Maximum (Seconds)		C
Delay Timer		d
Clerance Timer		E
Maximum Timer		F

PHASE FUNCTION FLAGS

Keystokes: F+F+Function

		1	2	3	4	5	6	7	8
Phases Permitted	0		X		X		X		
Red Lock	1								
Red & Yellow Lock	2		X				X		
Minimum Vehicle Recall	3		X				X		
Pedestrian Recall + Rest in Walk	4								
Pedestrian Phases	5		X		X				
Rest in Red	6								
Semi Traffic Actuated Mode	7								
Double Entry	8								
Maximum Vehicle Recall	9								
Overlap A	A								
Overlap B	b								
Barrier Recall	C								
Rest in Green	d								
Yellow Start Up	E		X				X		
Protected/Permissive Left Turn	F								

LAG PHASE FLAGS

		1	2	3	4	5	6	7	8
Lag Free	d-F-0		X		X		X		X
Lag Dial 1	d-F-1		X		X		X		X
Lag Dial 2	d-F-2		X		X		X		X
Lag Dial 3	d-F-3		X		X		X		X

True North	Phase North	1	2	3	4
		5	6 DUMMY	7	8

LACO-1R WWV DETECTOR ASSIGNMENTS

T.S.: 0855 Intersection: Rosecrans Av @ Stanford Av Date Prepared: 6-22-17 SDD 7-3-17 By: DFA DP

App	Lanes	Description	Phase File - Slot Channel	Delay Code	Delay Seconds	Extended Call Code	Extended Call Seconds	Remarks Note: The four Programmable Detectors will default to normal phasing if not flagged.	Yellow Disconnect Code	Yellow Disconnect Lite	Yellow Disconnect On	Queue Clearing Code	Queue Clearing Lite	Queue Clearing On
			1I1U	d10		d30			dF4	1		dF8	1	
			1I1L											
E	1,2,3	ADVANCE	2I2U	d11		d31			dF4	2		dF8	2	
W	1,2,3	ADVANCE	2I2L	d12		d32			dF4	3		dF8	3	
			2I3U	d13		d33			dF4	4		dF8	4	
			2I3L	d14		d34			dF4	5		dF8	5	
			2I4U	d15		d35		Call Ø 1 2 3 4 5 6 7 8	dF4	6		dF8	6	
			2I4L					dd8	dF4			dF8		
			3I5U	d16		d36			dF4	7		dF8	7	
			3I5L						dF4			dF8		
N	1-1,1-2	1ST VEHICLE	4I6U	d17	10	d37		2-6'x6'	dF4	8		dF8	8	
S	1-1,1-2	1ST VEHICLE	4I6L	d18	10	d38		2-6'x6'	dF5	1		dF9	1	
			4I7U	d19		d39			dF5	2		dF9	2	
			4I7L	d1A		d3A			dF5	3		dF9	3	
			4I8U	d1b		d3b		Call Ø 1 2 3 4 5 6 7 8	dF5	4		dF9	4	
			4I8L					dd9	dF5			dF9		
			1I9U	d1C		d3c			dF5	5		dF9	5	
			3I9L	d1d		d3d			dF5	6		dF9	6	
			5J1U	d20		d40			dF6	1		dFA	1	
			5J1L						dF6			dFA		
E	LT	HOLDING	6J2U	d21		d41		2-6'x6'	dF6	2		dFA	2	
W	LT	HOLDING	6J2L	d22		d42		2-6'x6'	dF6	3		dFA	3	
			6J3U	d23		d43			dF6	4		dFA	4	
			6J3L	d24		d44			dF6	5		dFA	5	
			6J4U	d25		d45		Call Ø 1 2 3 4 5 6 7 8	dF6	6		dFA	6	
			6J4L					ddA	dF6			dFA		
			7J5U	d26		d46			dF6	7		dFA	7	
			7J5L						dF6			dFA		
			8J6U	d27		d47			dF6	8		dFA	8	
			8J6L	d28		d48			dF7	1		dFb	1	
			8J7U	d29		d49			dF7	2		dFb	2	
			8J7L	d2A		d4A			dF7	3		dFb	3	
			8J8U	d2b		d4b		Call Ø 1 2 3 4 5 6 7 8	dF7	4		dFb	4	
			8J8L					ddb	dF7			dFb		
			5J9U	d2C		d4C			dF7	5		dFb	5	
			7J9L	d2d		d4d			dF7	6		dFb	6	

YELLOW DISCONNECT QUICK REFERENCE

	Call Lights							
Code	1	2	3	4	5	6	7	8
dF4								
dF5								
dF6								
dF7								

Remarks:

QUEUE CLEARING DETECTOR QUICK REFERENCE

	Call Lights							
Code	1	2	3	4	5	6	7	8
dF8								
dF9								
dFA								
dFb								

LACO-1R WWV - TIME - BASED COORDINATION

T.S. No. : 0855 Intersection: Rosecrans Av @ Stanford Av

System Limits: STANFORD AV to APRILIA AV on ROSECRANS AV

Remote Master: WWV Date Prepared: 6-22-17 SDD By: DFA

Date Implemented: 7-3-17 By: OP

TIME OF DAY OPERATION SUMMARY

	Dial 1	Dial 2	Dial 3 / Offset Timing
Offset 1	0900-1500; 1830-2100 M-F	0600-0900 M-F	1500-1830 M-F
Offset 2			
Offset 3			
Free	ALL OTHER TIMES		
Special			

* Set Local Manual to 14 (free) before setting or changing dial intervals & functions. Setting either of the Manuals to 0 will release that Manual.

Offset Timing Mode:
A 12 at C-0-1 or by T.O.D enables this mode and uses the Dial 3 Intervals and Functions.

Observe:

Call	d-F-C
Hold	d-F-d
Ped Restrict	d-F-E
Force - Off	d-F-F
Cycle with Field Calls	C-0-b
Master Sync Pulse Width	d-0-d

INTERCONNECT SELECT

d-0-0 [ ] 7 = Slave [X] 170 = Master

d-0-E Set Maximum Width 4.0 Seconds

d-0-F Set Minimum Width 1.0 Seconds

Remarks

Keystrokes: C + Column + Row

Coordination Parameters		INTERVALS (in seconds)			FUNCTION FLAGS												
					DIAL 1				DIAL 2				DIAL 3 / OFFSET TIMING				
		Dial 1	Dial 2	Dial 3	Force Off	Hold	Ped Rstrict	Call	Force Off	Hold	Ped Rstrict	Call	Force Off	Hold	Ped Rstrict	Call	
0	Int	1	2	3	4	5	6	7	8	9	A	b	C	d	E	F	Int
System Manual* 0	0	90	90	90	2,6				2,6				2,6				0
Local Manual* 0	1	1	1	1	-,-				-,-				-,-				1
Master Dial	2	6	6	6			4				4				4		2
Current Dial	3	26	26	26		2,6	4			2,6	4			2,6	4		3
Offset Number	4	41	41	41	4	2,6	-		4	2,6	-		4	2,6	-		4
Time of Day Plan	5	42	42	42	-	2,6			-	2,6			-	2,6			5
Function 6 14	6	68	68	68		2,6	2			2,6	2			2,6	2		6
Current Table	7	75	74	77		-,-	2			-,-	2			-,-	2		7
Minimum Cycle 0	8	90	90	90			-				-				-		8
Maximum Cycle 255	9																9
Master Timer	A																A
Local Timer	b																b
New Offset	C																C
Current Offset	d																d
Last Master Cycle	E																E
Last Local Cycle	F																F

LACO-1R WWV TIME BASE UNIT

CLOCK AND EVENT TABLE SHEET

Intersection: Rosecrans Av @ Stanford Av

Date Prepared: 6-22-17 SDD By: DFA

T.S. No.: 0855

Date Implemented: 7-3-17 By: OP

CONTROL CODE A-C

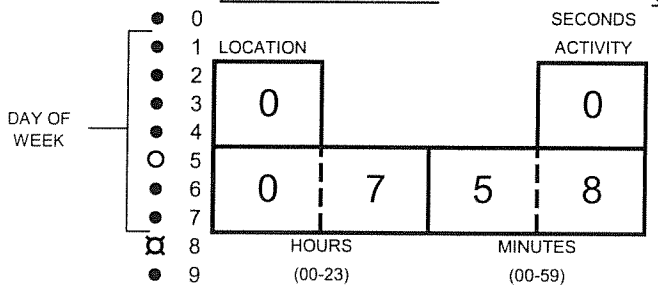


FIG. 1

CONTROL CODE A-D

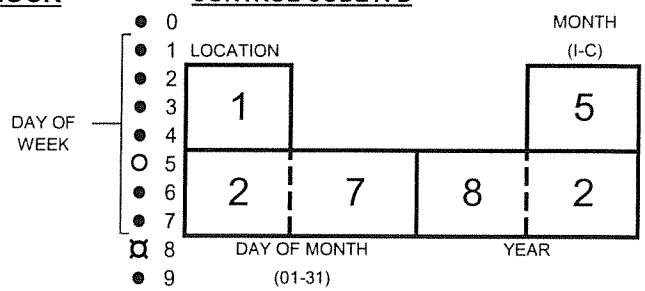


FIG. 2

ABOVE EXAMPLES
7:58 A.M. ON THURSDAY (FIG. 1)
MAY 27, 1982 (FIG. 2)

DAY OF WEEK

1	SUNDAY
2	MONDAY
3	TUESDAY
4	WEDNESDAY
5	THURSDAY
6	FRIDAY
7	SATURDAY

MONTH

1	JANUARY	7	JULY
2	FEBRUARY	8	AUGUST
3	MARCH	9	SEPTEMBER
4	APRIL	A	OCTOBER
5	MAY	B	NOVEMBER
6	JUNE	C	DECEMBER

DIRECTIONS
At control code A - C, key in hours and minutes, then key in 0 for seconds activity. Enter key E and turn on call light corresponding to day of the week. (NOTE: Seconds start at 0 seconds - for observation and correction use address D - 4 - F).
At cibtrik cide A - D, key in the day of the month, year and month, then enter key E.

CONTROL CODE 9-3

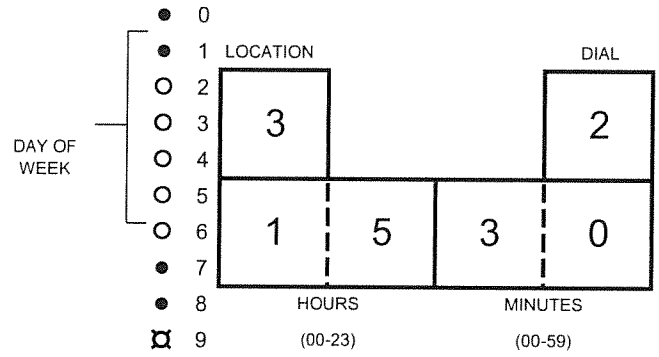


FIG. 3

ABOVE EXAMPLE
The example (FIG. 3), shows a time of day event at control code 9-3 with dial 2 to start at 3:30 P.M. each weekday from Monday through Friday.

DIRECTIONS
To set an event, key in 9 + the table location, key in hour, minute, and event, then enter key E. Set day(s) with call/active lights. To observe current event use address C - 0 - 5. (NOTE: These time of day events are local - not system events.)

REMARKS:

EVENT TABLE

FOR DIRECT INTERCONNECT ONLY. (D00=7)

			DAY AND LIGHT ← Set DAY using call/active LIGHT →						
LOC. 9+ ↓	TIME	EVENT *DIAL	SUN 1	MON 2	TUE 3	WED 4	THUR 5	FRI 6	SAT 7
0									
1									
2									
3									
4									
5									
6									
7									
8									
9									
A									
B									
C									
D									
E									
F									

* DIAL 1 = 1, 2 = 2, 3 = 3, FREE = E, OFF = 0.
(NOTE: At C - 0 - 5, Free = 14)
OFFSET TIMING =C T.O.D. FLASH=F

LACO-1R WWV - TIME - BASED EVENT TABLES

Intersection: Rosecrans Av @ Stanford Av

Date Prepared: 6-22-17SDD By: DFA

T.S. No.: 0855

Date Implemented: 7-3-17 By: DF

TABLE 0 - DEFAULT				s	m	t	w	t	f	s
Code	Hour	Min	Plan	1	2	3	4	5	6	7
0 -0	00	00	E	X	X	X	X	X	X	X
0 -1	06	00	2		X	X	X	X	X	
0 -2	09	00	1		X	X	X	X	X	
0 -3	15	00	3		X	X	X	X	X	
0 -4	18	30	1		X	X	X	X	X	
0 -5	21	00	E		X	X	X	X	X	
0 -6	:									
0 -7	:									
0 -8	:									
0 -9	:									
0 -A	:									
0 -b	:									
0 -C	:									
0 -d	:									
0 -E	:									
0 -F	:									

TABLE 3				s	m	t	w	t	f	s
Code	Hour	Min	Plan	1	2	3	4	5	6	7
3 -0	:									
3 -1	:									
3 -2	:									
3 -3	:									
3 -4	:									
3 -5	:									
3 -6	:									
3 -7	:									
3 -8	:									
3 -9	:									
3 -A	:									
3 -b	:									
3 -C	:									
3 -d	:									
3 -E	:									
3 -F	:									

ANNUAL EVENTS				s	m	t	w	t	f	s
Code	Month	/ Nth	Table	1	2	3	4	5	6	7
5 -0		/								
5 -1		/								
5 -2		/								
5 -3		/								
5 -4		/								
5 -5		/								
5 -6		/								
5 -7		/								
5 -8		/								
5 -9		/								
5 -A		/								
5 -b		/								
5 -C		/								
5 -d		/								
5 -E		/								
5 -F		/								

TABLE 1				s	m	t	w	t	f	s
Code	Hour	Min	Plan	1	2	3	4	5	6	7
1 -0	00	00	E		X	X	X	X	X	
1 -1	:									
1 -2	:									
1 -3	:									
1 -4	:									
1 -5	:									
1 -6	:									
1 -7	:									
1 -8	:									
1 -9	:									
1 -A	:									
1 -b	:									
1 -C	:									
1 -d	:									
1 -E	:									
1 -F	:									

Plan = Plan Number

	D1	D2	D3
O1 =	1	2	3
O2 =	4	5	6
O3 =	7	8	9

Plans:
A = Arrows On
B = TOD Output On
C = Offset Timing
D = Arrows / TOD Output Off
E = Function 6
F = Flash

Keys:
0 = No Days
8 = All Days
9 = Weekdays

Table #4, Nth = The number of the occurrence in the month (1-5). 99 = Always the last occurance in the month.

I.E. Thanksgiving = 11/04 [Table] and Thursday.

ANNUAL EVENTS				s	m	t	w	t	f	s
Code	Month	/ Nth	Table	1	2	3	4	5	6	7
6 -0		/								
6 -1		/								
6 -2		/								
6 -3		/								
6 -4		/								
6 -5		/								
6 -6		/								
6 -7		/								
6 -8		/								
6 -9		/								
6 -A		/								
6 -b		/								
6 -C		/								
6 -d		/								
6 -E		/								
6 -F		/								

TABLE 2				s	m	t	w	t	f	s
Code	Hour	Min	Plan	1	2	3	4	5	6	7
2 -0	:									
2 -1	:									
2 -2	:									
2 -3	:									
2 -4	:									
2 -5	:									
2 -6	:									
2 -7	:									
2 -8	:									
2 -9	:									
2 -A	:									
2 -b	:									
2 -C	:									
2 -d	:									
2 -E	:									
2 -F	:									

FLOATING HOLIDAYS				s	m	t	w	t	f	s
Code	Month	/ Nth	Table	1	2	3	4	5	6	7
4 -0	01	/ 03	1		X					
4 -1	02	/ 03	1		X					
4 -2	05	/ 99	1		X					
4 -3	09	/ 01	1		X					
4 -4	11	/ 04	1					X		
4 -5		/								
4 -6		/								
4 -7		/								
4 -8		/								
4 -9		/								
4 -A		/								
4 -b		/								
4 -C		/								
4 -d		/								
4 -E		/								
4 -F		/								

ANNUAL EVENTS				s	m	t	w	t	f	s
Code	Month	/ Nth	Table	1	2	3	4	5	6	7
7 -0		/								
7 -1		/								
7 -2		/								
7 -3		/								
7 -4		/								
7 -5		/								
7 -6		/								
7 -7		/								
7 -8		/								
7 -9		/								
7 -A		/								
7 -b		/								
7 -C		/								
7 -d		/								
7 -E		/								
7 -F		/								

LACO-1R WWV-TIME-BASED ANNUAL TABLES

Intersection: Rosecrans Av @ Stanford Av

Date Prepared: 6-22-17SDD By: DFA

T.S. No.: 0855

Date Implemented: 7-3-17 By: OP

EXCEPTION DAYS			s	m	t	w	t	f	s
Code	Month / Day	Flag	1	2	3	4	5	6	7
8 - 0	01 / 01	1		X	X	X	X	X	
8 - 1	01 / 02	1		X					
8 - 2	07 / 04	1		X	X	X	X	X	
8 - 3	07 / 05	1		X					
8 - 4	11 / 10	1						X	
8 - 5	11 / 11	1		X	X	X	X	X	
8 - 6	11 / 12	1		X					
8 - 7	12 / 24	1		X	X	X	X	X	
8 - 8	12 / 25	1		X	X	X	X	X	
8 - 9	12 / 26	1		X				X	
8 - A	/								
8 - b	/								
8 - C	/								
8 - d	/								
8 - E	/								
8 - F	/								

EXCEPTION TIMES			Table 8 Flags						
Code	Hour : Min	Plan	1	2	3	4	5	6	7
9 - 0	00 : 00	E	X						
9 - 1	:								
9 - 2	:								
9 - 3	:								
9 - 4	:								
9 - 5	:								
9 - 6	:								
9 - 7	:								
9 - 8	:								
9 - 9	:								
9 - A	:								
9 - b	:								
9 - C	:								
9 - d	:								
9 - E	:								
9 - F	:								

NOTES ON USING TABLES:

Starting from the base display [A/b], Table access is gained with a two digit Table Code. Access is verified by the flashing of both Call Light 9 and the Phase digit* of the display (* No Flash if Table # & Event # match).

Five keypresses will be required followed by [E] to either the data and open the flag mode. Day of Week flags can now be set.

ADDITIONAL KEY CODES:

d-0-3=1 Search Tables
d-0-3=3 Repoll WWV Clock
d-A-F=1 Repoll WWV Clock
d-0-3=071 Save Timing to Prom Module
d-0-3=170 Download TIming into 170
d-0-3=999 Clear All Tables
F-0-0=Phase/Dial Copy - Source
F-0-1=Phase/Dial Copy - Destination
F-0-4=Program Number (66)
d-0-8,9,A=Mo,Day,Yr of Latest Revision
E-E-0-0= Reinitialization

SPECIAL FUNCTION TABLE									
Keystrokes: F + d + Function									
		Phase Flags							
		1	2	3	4	5	6	7	8
(Green) Calling Phases	0								
(Green) Call To Phases	1								
(Yellow) Calling Phases	2								
(Yellow) Call To Phases	3								
Auxiliary Ovlp A Output	4								
Mid-Block Ped Crossing	5								
Driveway Flash	6								
Green Extension	7								
Sequential Ped	8								
Not Used	9								
EV- A Clearance Phases	A								
EV- B Clearance Phases	b								
EV- C Clearance Phases	C								
EV- D Clearance Phases	d								
Track Clerance Phases	E								
Limited Servces Phases	F								

When Any Flagged Phase Is Green ---
--- Place A Locked Call To These Phases.
When Any Flagged Phase Is Yellow ---
--- Place A Locked Call To These Phases.
"Three Color single Phase Overlap" Outputs On Auxiliary File - Slot 1
Ø4P Only. Ø2 & Ø6 Reds Flash During Ø4P Clearance
Flashes The Green Outputs of The Selected Phases
Staggered Termination At Barrier Crossing
Allows Ø1, Ø3 or Ø5 Ped to output on the Ø8P Load Switch

OVERLAP GREEN OMIT	Keys	1	2	3	4	5	6	7	8
Green Omit for Overlap A	F-C-4								
Green Omit for Overlap B	F-C-5								
Green Omit for Overlap C	F-C-6								
Green Omit for Overlap D	F-C-7								

F-9-7		Coordination Free Time (Seconds) After railroad preempt
F-9-d		Green Rest Delay Time (Seconds)
d-0-1		RAILROAD ROUTINE SELECT: 0=Normal Railroad 1=Special Two Input Railroad Routine
d-0-2		MANUAL CONTROL: 0=Not Enabled 1=No Rcalls 2=Vehicle recalls 3=Vehicle and Ped Recalls

PHASE OMIT	Keys	1	2	3	4	5	6	7	8
Phase Omit (Observe Only)	d-d-4								
Phase Omit for Dial 1	d-d-5								
Phase Omit for Dial 2	d-d-6								
Phase Omit for Dial 3	d-d-7								

PHASE OMIT is active when Coordination CALL function is active and the OMIT flag is set.

ADDITIONAL OVERLAPS	Keys	1	2	3	4	5	6	7	8
Aux File 2 Color Overlap C	d-d-C								
Aux File 2 Color Overlap D	d-d-d								
Ø7 Load Sw. 3 Color Ovrlp E	d-d-E								
Green Omit for Overlap E	d-d-F								

Overlap E will not function if the Railroad Preempt has been selected.

LACO-1R WWV TIME BASED
COMMUNICATIONS & SPECIAL OPTIONS

Intersection: Rosecrans Av @ Stanford Av

Date Prepared: 6-22-17 SDD By: DFA

T.S. No.: 0855

Date Implemented: 7-3-17 By: op

SPECIAL OPTIONS	Keys								
Comm 3 Options	F-9-3								
		1	2	3	4	5	6	7	8
User Flag Options	F-C-2								
AB3418 Slave Number (1-62)	F-9-0								

Comm 3 Options (F-9-3)

1. Unused
2. Transmit 7-Wire
3. Unused
4. Transmit Time & Day
5. Unused
6. Transmit Plan
7. Transmit State Protocal AB3418 Time & Date
8. Receive & Respond to State Protocal AB3418

Note: A Slave Number must be entered at F-9-0 (1-62) when using Option # 8.

User Flag Options (F-C-2)

1. Send out the "System Sync Pulse" on Phase 4 Ped Yellow
2. Send out the "Time of Day Output" on Phase 4 Ped Yellow
3. Send out the "Midnight Sync Pulse" on Phase 4 Ped Yellow
4. Reserved
5. Enable AB3418 to set the Time & Date
6. Enable AB3418 to set the Coordination Free
7. Enable the Special Time of Day Overlap B
8. Enable the Freeway Ramp Release Logic Routine

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

LACO - 4E (Check Sum #B93A)

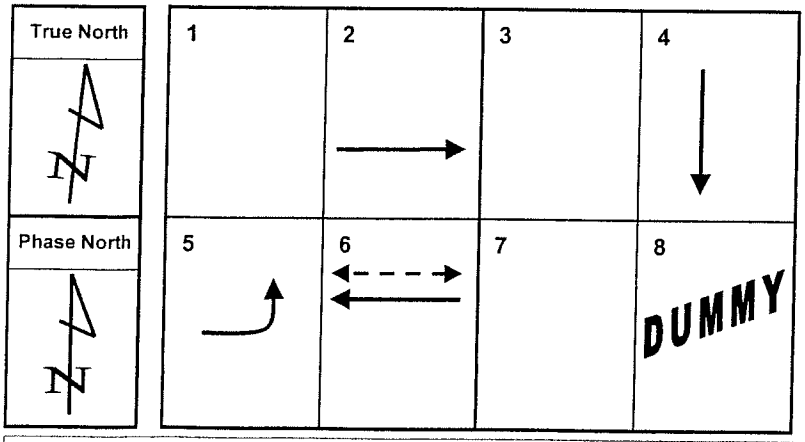
PHASE TIMING

INTERSECTION: Rosecrans Avenue @ McKinley Avenue Date Prepared: 5-23-17 SDD By: DFA

T.S. No.: 6226 Date Implemented: 7/27/17 By: OP

Keystroke: 1 + Phase + Interval

Interval		Phase 1	2	3	4	5	6	7	8
Walk	0		0		0	0	8		0
Flashing Don't Walk	1		0		0	0	11		0
Minimum Green	2		6		8	7	6		1
Queue Maximum	3		25		0	0	30		0
Added Green/Actuation	4		0.0		0.0	0.0	0.0		0.0
Vehicle Extension	5		4.0		3.0	1.5	4.5		0.0
Time Before Reduction	6		15.0		0.0	0.0	15.0		0.0
Minimum Gap	7		3.0		3.0	1.5	3.5		0.0
Max Green 1 (Free)	8		50		30	20	50		0
Max Green 2 (Coord.)	9		100		30	20	100		0
Max Added Green	A		0		0	0	0		0
Unused	B								
Unused	C								
Time to Reduce	D		15.0		0.0	0.0	15.0		0.0
Yellow Clearance	E		5.0		4.0	3.0	5.0		4.0
Red Clearance	F		0.5		1.0	1.0	0.5		1.0



MISCELLANEOUS TIMERS		
Timer	Location	
Red Rest Delay Time	106	0
Green Rest Delay Time	107	0
Stuck All Red Fail Delay Time	10E	30
Red Revert Time	10F	2.0

Comments: **BATTERY BACKUP SYSTEM (BBS) INTERSECTION (See pages 6 & 15).

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

LACO - 4E

CONFIGURATION

INTERSECTION: Rosecrans Avenue @ McKinley Avenue Date Prepared: 5-23-17 SD By: DFA

T.S. No.: 6226 Date Implemented: 7/27/17 By: DF

Controller (Card) IP Address :

Subnet Mask IP Address :

Default Gateway IP Address :

Local/Remote Port Number :

Remote Host (Server) IP Address :

PHASE FUNCTION FLAGS

Keystrokes: 1 + F + row		1	2	3	4	5	6	7	8
Permitted Phases	0		X		X	X	X		X
Red Lock	1								
Red & Yellow Lock	2		X				X		
Minimum Vehicle Recall	3		X				X		
Maximum Vehicle Recall	4								
Rest In Green	5								
Rest in Red	6								
Barrier Recall	7								
Double Entry	8				X				X
Exclusive Phases	9								
Restricted Phases	A								
Prot/Perm Left Turn	B								
Lag Phases (Free)	C		X		X		X		X
First Phases After Start-Up	D								
Yellow Start-Up Phases	E		X				X		
Yellow Start-Up Overlaps	F	A	B	C	D	E	F		

STREET CONFIGURATION FLAGS

Keystrokes: 1 + E + row		1	2	3	4	5	6	7	8
Main Street Phases	0	X	X			X	X		
Side Street Phases	1			X	X			X	X
2 Ped Load Switch	2								
4 Ped Load Switch	3								
6 Ped Load Switch	4						X		
8 Ped Load Switch	5								
Ped A Load Switch	6								
Ped B Load Switch	7								
Ped Recall - Rest in Walk	8						X		
STA Mode Phases	9								
Unused	A								
Unused	B								
Unused	C								
Driveway Flash	D								
2 Head Driveway Flash	E								
Overlap Driveway Flash	F	A	B	C	D	E	F		

MISCELLANEOUS FLAGS

Keystrokes: 1 + D + row		1	2	3	4	5	6	7	8
Unused	0								
Assoc. Phase Recall - 1	1								
Assoc. Phase Recall - 2	2								
Assoc. Phase Recall - 3	3								
Assoc. Phase Recall - 4	4								
Assoc. Phase Recall - 5	5								
Assoc. Phase Recall - 6	6								
Assoc. Phase Recall - 7	7								
Assoc. Phase Recall - 8	8								
Yellow Calling Phases	9								
Yellow Phases Called	A								
User Flags (See Options Box)	B						X		
Green Offset Sync Pulse	C								
Yellow Offset Sync Pulse	D								
Yellow Ranging Phase	E								
Yellow Ranging Overlap	F	A	B	C	D	E	F		

COMMUNICATIONS OPTIONS

Systems ID (1 to 63)	190	
Port 1 Mode	191	1
Port 2 Mode	192	
Port 3 Mode	193	
Port 4 Mode	194	

Port Mode Options
1 = W W V
2 = Transmit 7 Wire
3 = Receive 7 Wire
4 = Transmit Time/Date
5 = Receive Time/Date
6 = Transmit Plan
7 = AB3418 Master
8 = AB3418 Slave
9 = Bus Signal Priority

		1	2	3	4	5	6	7	8
Port 1 Baud	1C0								X
Port 2 Baud	1C1								
Port 3 Baud	1C2								
Port 4 Baud	1C3								

Baud Rate:
1 - 115.2 K
2 - 57.6 K
3 - 38.4 K
4 - 19. 2 K
5 - 9600
6 - 4800
7 - 2400
8 - 1200

		1	2
Port 1 Parity	1C4		
Port 2 Parity	1C5		
Port 3 Parity	1C6		
Port 4 Parity	1C7		

Parity:
0 - No Parity
1 - Odd Parity
2 - Even Parity

MANUAL CONTROL CONFIGURATIONS

Option	Location	1	2	3	4	5	6	7	8
Omit Phases	3C1								
Lag Phases	3C2		X		X		X		X
Recall Type	309	00							

Recall Type Options (309)
00 = Manual Control Disabled
01 = Fully Actuated
02 = Vehicle Recall Only
03 = Ped and Vehicle Recall

User Flag Options (1DB)
1 = Enable Mid-Block Ped Crossing Logic.
2 = Modify Main Street Phases at Location (1E0).
3 = Delay RR/EV Clearance Until All Overlaps Finish Terminating.
4 = Modified Barrier Crossing (Ignore True Max).
5 = Disable Daylight Savings Time Update.
6 = Disable Ped Recycle Logic For STA Mode & Ped Recall Phases.
7 = Enable Freeway Off-Ramp Anti-Backup Logic.
8 = Ignore Stuck-All-Red Failure.

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

LACO - 4E

DETECTORS

INTERSECTION: Rosecrans Avenue @ McKinley Avenue Date Prepared: 5-23-17 SDD By: DFA

T.S. No.: 6226 Date Implemented: 7/27/17 By: OP

App	Lanes	Description	File/Slot/ Channel	Delay Code	Delay Sec	Extended Call Code	Extended Call Sec	Phase Flags Code	1	2	3	4	5	6	7	8	Attribute Flags Code	1	2	3	4	5	6	7	8
W	1	ADVANCE	2I1U	210		230		2B0		X							2D0								
			I1L																						
W	2	ADVANCE	2I2U	211		231		2B1		X							2D1								
W	3	ADVANCE	2I2L	212		232		2B2		X							2D2								
W	LT	6'X50'*	5I3U	213		233		2B3					X				2D3								
W	1	QUEUE(6'x25')*	2I3L	214		234	2.0	2B4		X							2D4					X			
W	2	QUEUE(6'x25')*	2I4U	215		235	2.0	2B5		X							2D5					X			
W	3	QUEUE(6'x25')*	2I4L																						
			I5U	216		236		2B6									2D6								
			I5L																						
N	LT	1ST VEHICLE (6'X25')*	4I6U	217		237		2B7				X					2D7								
N	RT	1ST VEHICLE (6'X25')*	4I6L	218		238		2B8				X					2D8								
			I7U	219		239		2B9									2D9								
			I7L	21A		23A		2BA									2DA								
			I8U	21B		23B		2BB									2DB								
			I8L																						
			I9U	21C		23C		2BC									2DC								
			I9L	21D		23D		2BD									2DD								

App	Lanes	Description	File/Slot/ Channel	Delay Code	Delay Sec	Extended Call Code	Extended Call Sec	Phase Flags Code	1	2	3	4	5	6	7	8	Attribute Flags Code	1	2	3	4	5	6	7	8
E	1	ADVANCE	6J1U	220		240		2C0						X			2E0								
			J1L																						
E	2	ADVANCE	6J2U	221		241		2C1						X			2E1								
E	3	ADVANCE	6J2L	222		242		2C2						X			2E2								
E	1	QUEUE(6'x25')*	6J3U	223		243	2.0	2C3						X			2E3					X			
E	2	QUEUE(6'x25')*	6J3L	224		244	2.0	2C4						X			2E4					X			
E	3	QUEUE(6'x25')*	6J4U	225		245	2.0	2C5						X			2E5					X			
			J4L																						
			J5U	226		246		2C6									2E6								
			J5L																						
			J6U	227		247		2C7									2E7								
			J6L	228		248		2C8									2E8								
			J7U	229		249		2C9									2E9								
			J7L	22A		24A		2CA									2EA								
			J8U	22B		24B		2CB									2EB								
			J8L																						
			J9U	22C		24C		2CC									2EC								
			J9L	22D		24D		2CD									2ED								

Comments: * VIDEO DETECTION

DETECTOR ATTRIBUTES	
Flag 1 - Unused	Flag 5 - Queue Clearing
Flag 2 - Red & Yellow Lock	Flag 6 - Non-Counting
Flag 3 - Yellow Disconnect	Flag 7 - Special Delay Option 1
Flag 4 - Red Calling Only	Flag 8 - Special Delay Option 2

Note: Shaded Phase Flags call by default.

SPECIAL DETECTOR DELAY ASSIGNMENTS		PHASE							
All Options: Delay Timer resets during detector phase yellow.	Code	1	2	3	4	5	6	7	8
Special Delay Option 1 (Attribute Bit 7) - Bypasses delay while flagged phases are timing.	2F8								
Special Delay Option 2 (Attribute Bit 8) - Bypasses delay while flagged phases are timing.	2F9								

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

LACO - 4E

SYSTEM DETECTORS

INTERSECTION: Rosecrans Avenue @ McKinley Avenue Date Prepared: 5-23-17 SDD By: DFA

T.S. No.: 6226 Date Implemented: 7/27/17 By: op

Parameter	Location	Data	Units
Struck ON Threshold [1]	**21F**	30	Minutes
Struck OFF Threshold [1]	**22F**	120	Minutes
Chatter Threshold [1]	**23F**	50	Actuations
Period [2]	**24F**	60	Seconds

1 - Set Data to "0" to disable Error Checking
2 - Default = 60 seconds

Approach	Lanes	Description	System Detector	C1 Pin	File/Slot/ Channel
			Det 1	39	I2U
			Det 2	40	J2U
			Det 3	41	I6U
			Det 4	42	J6U
			Det 5	43	I2L
			Det 6	44	J2L
			Det 7	45	I6L
			Det 8	46	J6L
			Det 9	47	I4U/L
			Det 10	48	J4U/L
			Det 11	49	I8U/L
			Det 12	50	J8U/L
			Det 13	55	J1U/L
			Det 14	56	I1U/L
			Det 15	57	J5U/L
			Det 16	58	I5U/L
			Det 17	59	J9U
			Det 18	60	I9U
			Det 19	61	J9L
			Det 20	62	I9L
			Det 21	63	I3U
			Det 22	64	J3U
			Det 23	65	I7U
			Det 24	66	J7U
			Det 25	76	I3L
			Det 26	77	J3L
			Det 27	78	I7L
			Det 28	79	J7L

Memory Locations of Interest
(Press "8" key first)
1503 - Set to non-zero value to reset all System Detector Logic.
150F - Collection Period Timer
15FF - Data Collection Sequence Counter

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

LACO - 4E

OVERLAPS

INTERSECTION: Rosecrans Avenue @ McKinley Avenue Date Prepared: 5-23-17 SDD By: DFA

T.S. No.: 6226 Date Implemented: 7/27/17 By: DB

OVERLAP A

Keystrokes: 3 + row + A		1	2	3	4	5	6	7	8
Normal Parents	A								
Green Omit Parents	B								
RR Preempt Parents	C								
EV Preempt Parents	D								
Load Switch Assignment	0								
Delay Time	1								
Green Extension Time	2								
Yellow Clearance Time	3								
Red Clearance Time	4								

OVERLAP B

Keystrokes: 3 + row + B		1	2	3	4	5	6	7	8
Normal Parents	A								
Green Omit Parents	B								
RR Preempt Parents	C								
EV Preempt Parents	D								
Load Switch Assignment	0								
Delay Time	1								
Green Extension Time	2								
Yellow Clearance Time	3								
Red Clearance Time	4								

OVERLAP C

Keystrokes: 3 + row + C		1	2	3	4	5	6	7	8
Normal Parents	A								
Green Omit Parents	B								
RR Preempt Parents	C								
EV Preempt Parents	D								
Load Switch Assignment	0								
Delay Time	1								
Green Extension Time	2								
Yellow Clearance Time	3								
Red Clearance Time	4								

OVERLAP D

Keystrokes: 3 + row + D		1	2	3	4	5	6	7	8
Normal Parents	A								
Green Omit Parents	B								
RR Preempt Parents	C								
EV Preempt Parents	D								
Load Switch Assignment	0								
Delay Time	1								
Green Extension Time	2								
Yellow Clearance Time	3								
Red Clearance Time	4								

OVERLAP E

Keystrokes: 3 + row + E		1	2	3	4	5	6	7	8
Normal Parents	A								
Green Omit Parents	B								
RR Preempt Parents	C								
EV Preempt Parents	D								
Load Switch Assignment	0								
Delay Time	1								
Green Extension Time	2								
Yellow Clearance Time	3								
Red Clearance Time	4								

OVERLAP F

Keystrokes: 3 + row + F		1	2	3	4	5	6	7	8
Normal Parents	A								
Green Omit Parents	B								
RR Preempt Parents	C								
EV Preempt Parents	D								
Load Switch Assignment	0								
Delay Time	1								
Green Extension Time	2								
Yellow Clearance Time	3								
Red Clearance Time	4								

Comments:

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

LACO - 4E
PREEMPTION

INTERSECTION: Rosecrans Avenue @ McKinley Avenue Date Prepared: 5-23-17 SDP By: DFA

T.S. No.: 6226 Date Implemented: 7/27/17 By: SP

RAILROAD CONFIGURATION		
Railroad Select (1, 2 or 3)	360	**2
All Red Time After Railroad Flash	361	6.0
Railroad Track Clearance Time	362	
Limited Service Max Time	363	
Railroad Link to EV (See EV Setup Note # 5)	364	
Free Time After Preemption	365	
Free Time After Preemption (Timer)	366	
Max Timer (Minutes)	367	
Max Timer (Seconds)	368	

Observation Only ☐

RAILROAD PHASES		1	2	3	4	5	6	7	8
Track Clearance	3A0								
Railroad Exit	3A1								
Railroad Ped Only	3A2								
Limited Service	3A3								

Comments:
**Battery Back-Up System (BBS) Intersection
A. "RR Select" and "RR Red" are used for clearance timing for battery backup system switching from flash mode to auto mode sequences when normal power is restored.
B. Wiring is modified for above clearance timing (see page 15).

EV CONFIGURATION		1	2	3	4	5	6	7	8
EV Flags (See Notes to the Right)	390								
EV-A Clearance Phases	391								
EV-B Clearance Phases	392								
EV-C Clearance Phases	393								
EV-D Clearance Phases	394								

EV FLAGS
1 = EV-A Times All-Red Clearance
2 = EV-B Times All-Red Clearance
3 = EV-C Times All-Red Clearance
4 = EV-D Times All-Red Clearance
5 = EV-A Truncates Ped Flashing Don't Walk Interval
6 = EV-B Truncates Ped Flashing Don't Walk Interval
7 = EV-C Truncates Ped Flashing Don't Walk Interval
8 = EV-D Truncates Ped Flashing Don't Walk Interval

EV-A SETUP		
Delay (1)	310	
Active (2)	311	
Clearance (3)	312	
Maximum (4)	313	
Link to EV (5)	314	
Minimum (6)	315	

EV-B SETUP		
Delay (1)	320	
Active (2)	321	
Clearance (3)	322	
Maximum (4)	323	
Link to EV (5)	324	
Minimum (6)	325	

EV SETUP NOTES
(1). The length of time before the controller responds to EV input. HOLD, CALL, ALLOW & Coordination Functions are not affected during this time.
(2). The length of time that HOLD & CALL are set. Coordination functions are suspended during this time.
(3). The length of Green Clearance time. HOLD, CALL & FORCE OFF are set by preemption logic during this time.
(4). The maximum time (in seconds) that the preempt will remain in control of the intersection.
(5). Causes the selected EV to time after the current EV times out.
(6). Minimum time (in seconds) allowed from the end of one EV until the start of another EV.

EV-C SETUP		
Delay (1)	330	
Active (2)	331	
Clearance (3)	332	
Maximum (4)	333	
Link to EV (5)	334	
Minimum (6)	335	

EV-D SETUP		
Delay (1)	340	
Active (2)	341	
Clearance (3)	342	
Maximum (4)	343	
Link to EV (5)	344	
Minimum (6)	345	

AUX 3 YELLOW OUTPUT CONTROL (Keystrokes: 3 + C + 0)		
	1	Railroad A
	2	Railroad B
	3	Emergency Vehicle A
	4	Emergency Vehicle B
	5	Emergency Vehicle C
	6	Emergency Vehicle D
	7	Manual Control
	8	Unused

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

LACO - 4E

BUS PRIORITY

INTERSECTION: Rosecrans Avenue @ McKinley Avenue Date Prepared: 5-23-17 SDD By: DFA

T.S. No.: 6226 Date Implemented: 7/27/17 By: DP

NOTE: All data is located in the Extended Memory and must be accessed with "8" followed by the 4 digit address.

BUS PRIORITY CONTROL		
Manual Control	1E00	
Primary Address	1E01	
Secondary Address	1E02	
City Code	1E03	
Hardwired ETA	1E04	
Trip Point	1E05	

Manual Control (1E00) Options
0 = Auto
1 = Logic OFF
2 = Logic ON / No Communications
4 = Headway / No Communications
7 = Hardwire
14 = BSP OFF

BUS PHASES		1	2	3	4	5	6	7	8
Priority	1E08								
Demand	1E09								
Northbound	1E0A								
Southbound	1E0B								
Eastbound	1E0C								
Westbound	1E0D								

BSP OVERRIDE TABLE

	Hour : Min	Dir	S	M	T	W	T	F	S
0	:								
1	:								
2	:								
3	:								
4	:								
5	:								
6	:								
7	:								
8	:								
9	:								
A	:								
B	:								
C	:								
D	:								
E	:								
F	:								

Data Entry for BSP Override Table

1. "9" + "9" sets the controller to Table Entry mode pointing to the BSP Override Table, Event 0.
2. Press "A" or "D" key to move to desired Event.
3. Enter 4 digit Time of Day.
4. Enter one digit Directional Override.
   1 = N **3** = N+S **A** = S+W **D** = N+S+W
   2 = S **5** = N+E **C** = E+W **E** = S+E+W
   4 = E **6** = S+E **7** = N+S+E **F** = ALL
   8 = W **9** = N+W **B** = N+E+W
   Then press "E" to select the Days of Week.
5. Select Day(s) of Week.
6. Press "A" or "D" to move to next Event.
7. Repeat steps 3 through 6 for each event.
8. Press "F" key to finish.

Comments:

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

LACO - 4E

ZIP COORDINATION

INTERSECTION: Rosecrans Avenue @ McKinley Avenue Date Prepared: 5-23-17 SDD By: DFA

T.S. No.: 6226 Date Implemented: 7/22/17 By: SD

KEYSTROKE: 4 + Plan # + Parameter

TIME OF DAY OPERATIONS SUMMARY					
PLAN 1		PLAN 4		PLAN 7	
PLAN 2		PLAN 5		PLAN 8	
PLAN 3		PLAN 6		PLAN 9	
FREE					

Midnight Sync Pulse					
7-A-B	Hour		7-A-C	Minute	

** ZIP Coordination Enable	7-A-D	000

** Set to "000" to **DISABLE** Zip Coordination

Observation Only Location

OFFSET TIMES

PLAN	Location	Offset
1	7-A-1	
2	7-A-2	
3	7-A-3	
4	7-A-4	
5	7-A-5	
6	7-A-6	
7	7-A-7	
8	7-A-8	
9	7-A-9	

	Parameters		Plan 1	Plan 2	Plan 3	Plan 4	Plan 5	Plan 6	Plan 7	Plan 8	Plan 9
0			1	2	3	4	5	6	7	8	9
System Manual	Cycle Length	0									
Local Manual	Force Off Phase 1	1									
Master Plan	Force Off Phase 2	2									
Local Plan	Force Off Phase 3	3									
TMC Overide	Force Off Phase 4	4									
Time Of Day Plan	Force Off Phase 5	5									
Special Function	Force Off Phase 6	6									
Current Table	Force Off Phase 7	7									
Min Cycle Length	Force Off Phase 8	8									
Max Cycle Length	Hold Release	9									
Master Cycle Timer											
Local Cycle Timer											
New Offset											
Current Offset Time											
Last Master Cycle											
Last Local Cycle											

COMMENTS:

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

LACO - 4E

COORDINATION 1

INTERSECTION: Rosecrans Avenue @ McKinley Avenue Date Prepared: 5-23-17 SDD By: DFA

T.S. No.: 6226 Date Implemented: 7/27/17 By: DP

KEYSTROKE: 4 + column + row

TIME OF DAY OPERATIONS SUMMARY					
PLAN 1	0900-1500 M-F,1830-2100 M-F	PLAN 4	0600-0900 M-F	PLAN 7	1500-1830 M-F
PLAN 2		PLAN 5		PLAN 8	
PLAN 3		PLAN 6		PLAN 9	
FREE	ALL OTHER TIMES				

Midnight Sync Pulse					
7-A-B	Hour	00	7-A-C	Minute	00

Offset Timing Plan	7-A-A	00
Current Offset	7-A-0	

COMMENTS
System Limits: Stanford Avenue to Aprilia Avenue on Rosecrans Avenue.

OFFSET TIMES

PLAN	Location	Offset
1	7-A-1	1
2	7-A-2	12
3	7-A-3	16
4	7-A-4	
5	7-A-5	
6	7-A-6	
7	7-A-7	
8	7-A-8	
9	7-A-9	

OBSERVATION ONLY

COORDINATION PARAMETERS		INTERVALS (In Seconds)			COORDINATION FUNCTION FLAGS											
					PLAN 1				PLAN 2				PLAN 3			
		Plan 1	Plan 2	Plan 3	Force Off	Hold	Ped Restrict	Call	Force Off	Hold	Ped Restrict	Call	Force Off	Hold	Ped Restrict	Call
0		1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
System Manual 0	0	90	90	90	2,6				2,6				2,6			
Local Manual 0	1	1	1	1	-,-				-,-				-,-			
Master Plan	2	17	17	17		2,6				2,6				2,6		
Local Plan	3	31	31	31	4,8	2,6			4,8	2,6			4,8	2,6		
TMC Overide	4	32	32	32	-,-	2,6			-,-	2,6			-,-	2,6		
Time Of Day Plan	5	48	48	48	5	2,6			5	2,6			5	2,6		
Special Function	6	49	49	49	-	2,6			-	2,6			-	2,6		
Current Table	7	62	62	62		-,-				-,-				-,-		
Min Cycle Length 0	8	71	71	71			6				6				6	
Max Cycle Length 255	9	90	90	90			-				-				-	
Master Cycle Timer	A															
Local Cycle Timer	B															
New Offset Time	C															
Current Offset Time	D															
Last Master Cycle	E															
Last Local Cycle	F															

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

LACO - 4E

COORDINATION 2

INTERSECTION: Rosecrans Avenue @ McKinley Avenue Date Prepared: 5-23-17 SDD By: DFA

T.S. No.: 6226 Date Implemented: 7/27/17 By: OE

KEYSTROKE: 5 + column + row

	INTERVALS (In Seconds)			COORDINATION FUNCTION FLAGS											
				PLAN 4				PLAN 5				PLAN 6			
	Plan 4	Plan 5	Plan 6	Force Off	Hold	Ped Restrict	Call	Force Off	Hold	Ped Restrict	Call	Force Off	Hold	Ped Restrict	Call
	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0															
1															
2															
3															
4															
5															
6															
7															
8															
9															
A															
B															
C															
D															
E															
F															

COMMENTS:

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

LACO - 4E

COORDINATION 3

INTERSECTION: Rosecrans Avenue @ McKinley Avenue Date Prepared: 5-23-17SDD By: DFA

T.S. No.: 6226 Date Implemented: 7/27/17 By: OP

KEYSTROKE: 6 + column + row

	INTERVALS (In Seconds)			COORDINATION FUNCTION FLAGS												
				PLAN 7				PLAN 8				PLAN 9				
	Plan 7	Plan 8	Plan 9	Force Off	Hold	Ped Restrict	Call	Force Off	Hold	Ped Restrict	Call	Force Off	Hold	Ped Restrict	Call
	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0															
1															
2															
3															
4															
5															
6															
7															
8															
9															
A															
B															
C															
D															
E															
F															

COMMENTS:

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

LACO - 4E

COORDINATION ATTRIBUTES

INTERSECTION: Rosecrans Avenue @ McKinley Avenue Date Prepared: 5-23-17 SDD By: DFA

T.S. No.: 6226 Date Implemented: 7/27/17 By: [illegible]

KEYSTROKE: 7 + Plan Number + Attribute

COORDINATION PHASE ATTRIBUTES (Plans 1 through 9)

ATTRIBUTES		PLAN 1								PLAN 2								PLAN 3							
		1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Coordination Lag Phases	0		X		X		X		X		X		X		X		X		X		X		X		X
Minimum Vehicle Recall Phases	1																								
Pedestrian Recall Phases	2																								
Maximum Vehicle Recall Phases	3																								
Barrier Recall Phases	4																								
Green Calling Phases	5																								
Green "Call To" Phases	6																								
	7																								
Phases to use Max 1	8																								
Red Rest Phases	9																								
Omitted Phases	A																								
Phases to Omit System Detectors	B																								
STA Mode Phases	C																								
	D																								
	E																								
	F																								

ATTRIBUTES		PLAN 4								PLAN 5								PLAN 6							
		1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Coordination Lag Phases	0		X		X		X		X		X		X		X		X		X		X		X		X
Minimum Vehicle Recall Phases	1																								
Pedestrian Recall Phases	2																								
Maximum Vehicle Recall Phases	3																								
Barrier Recall Phases	4																								
Green Calling Phases	5																								
Green "Call To" Phases	6																								
	7																								
Phases to use Max 1	8																								
Red Rest Phases	9																								
Omitted Phases	A																								
Phases to Omit System Detectors	B																								
STA Mode Phases	C																								
	D																								
	E																								
	F																								

ATTRIBUTES		PLAN 7								PLAN 8								PLAN 9							
		1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Coordination Lag Phases	0		X		X		X		X		X		X		X		X		X		X		X		X
Minimum Vehicle Recall Phases	1																								
Pedestrian Recall Phases	2																								
Maximum Vehicle Recall Phases	3																								
Barrier Recall Phases	4																								
Green Calling Phases	5																								
Green "Call To" Phases	6																								
	7																								
Phases to use Max 1	8																								
Red Rest Phases	9																								
Omitted Phases	A																								
Phases to Omit System Detectors	B																								
STA Mode Phases	C																								
	D																								
	E																								
	F																								

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

LACO - 4E

COORDINATION TABLES

INTERSECTION: Rosecrans Avenue @ McKinley Avenue Date Prepared: 5-23-17 SDP By: DFA

T.S. No.: 6226 Date Implemented: 7/22/17 By: DF

KEYSTROKE: 9 + Table Number to access Event 0, then A or D to move up or down the table.

TABLE 0 - Time Of Day

Event	Hour : Min	Plan or Function	Sun 1	Mon 2	Tue 3	Wed 4	Thu 5	Fri 6	Sat 7
0	00 : 00	E	X	X	X	X	X	X	X
1	06 : 00	2		X	X	X	X	X	
2	09 : 00	1		X	X	X	X	X	
3	15 : 00	3		X	X	X	X	X	
4	18 : 30	1		X	X	X	X	X	
5	21 : 00	E		X	X	X	X	X	
6	:								
7	:								
8	:								
9	:								
A	:								
B	:								
C	:								
D	:								
E	:								
F	:								

TABLE 1 - Time Of Day

Event	Hour : Min	Plan or Function	Sun 1	Mon 2	Tue 3	Wed 4	Thu 5	Fri 6	Sat 7
0	00 : 00	E		X	X	X	X	X	
1	:								
2	:								
3	:								
4	:								
5	:								
6	:								
7	:								
8	:								
9	:								
A	:								
B	:								
C	:								
D	:								
E	:								
F	:								

TABLE 2 - Time Of Day

Event	Hour : Min	Plan or Function	Sun 1	Mon 2	Tue 3	Wed 4	Thu 5	Fri 6	Sat 7
0	:								
1	:								
2	:								
3	:								
4	:								
5	:								
6	:								
7	:								
8	:								
9	:								
A	:								
B	:								
C	:								
D	:								
E	:								
F	:								

TABLE 3 - Time Of Day

Event	Hour : Min	Plan or Function	Sun 1	Mon 2	Tue 3	Wed 4	Thu 5	Fri 6	Sat 7
0	:								
1	:								
2	:								
3	:								
4	:								
5	:								
6	:								
7	:								
8	:								
9	:								
A	:								
B	:								
C	:								
D	:								
E	:								
F	:								

TABLE 4 - Time Of Day

Event	Hour : Min	Plan or Function	Sun 1	Mon 2	Tue 3	Wed 4	Thu 5	Fri 6	Sat 7
0	:								
1	:								
2	:								
3	:								
4	:								
5	:								
6	:								
7	:								
8	:								
9	:								
A	:								
B	:								
C	:								
D	:								
E	:								
F	:								

TABLE 5 - Annual Events

Event	Month / Day	Table	Sun 1	Mon 2	Tue 3	Wed 4	Thu 5	Fri 6	Sat 7
0	/								
1	/								
2	/								
3	/								
4	/								
5	/								
6	/								
7	/								
8	/								
9	/								
A	/								
B	/								
C	/								
D	/								
E	/								
F	/								

TABLE 6 - Floating Holidays

Event	Month / Day	Table	Sun 1	Mon 2	Tue 3	Wed 4	Thu 5	Fri 6	Sat 7
0	01 / 03	1		X					
1	02 / 03	1		X					
2	05 / 09	1		X					
3	09 / 01	1		X					
4	11 / 04	1					X		
5	/								
6	/								
7	/								
8	/								
9	/								
A	/								
B	/								
C	/								
D	/								
E	/								
F	/								

Plan = Plan Number 1 through 9

Function:

A = Special Function Output - ON Steady
B = Special Function Output - ON Flashing
C = Offset Timing Mode
D = Special Function Output - OFF
E = FREE
F = Time of Day Flash

Floating Holiday Table:

"Day" refers to the nth occurence of the DOW flagged. For example, 01/03 indicates the 3rd occurrence of the flagged DOW in January. "0" or greater than "5" is treated as the last occurrence.

TABLE 7 - Exception Days

Event	Month / Day	Table	Sun 1	Mon 2	Tue 3	Wed 4	Thu 5	Fri 6	Sat 7
0	01 / 01	1		X	X	X	X	X	
1	01 / 02	1		X					
2	07 / 04	1		X	X	X	X	X	
3	07 / 05	1		X					
4	11 / 10	1						X	
5	11 / 11	1		X	X	X	X	X	
6	11 / 12	1		X					
7	12 / 24	1		X	X	X	X	X	
8	12 / 25	1		X	X	X	X	X	
9	12 / 26	1		X				X	
A	/								
B	/								
C	/								
D	/								
E	/								
F	/								

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

LACO - 4E

PROGRAMMABLE LOGIC

INTERSECTION: Rosecrans Avenue @ McKinley Avenue Date Prepared: 5-23-17 SDD By: DFA

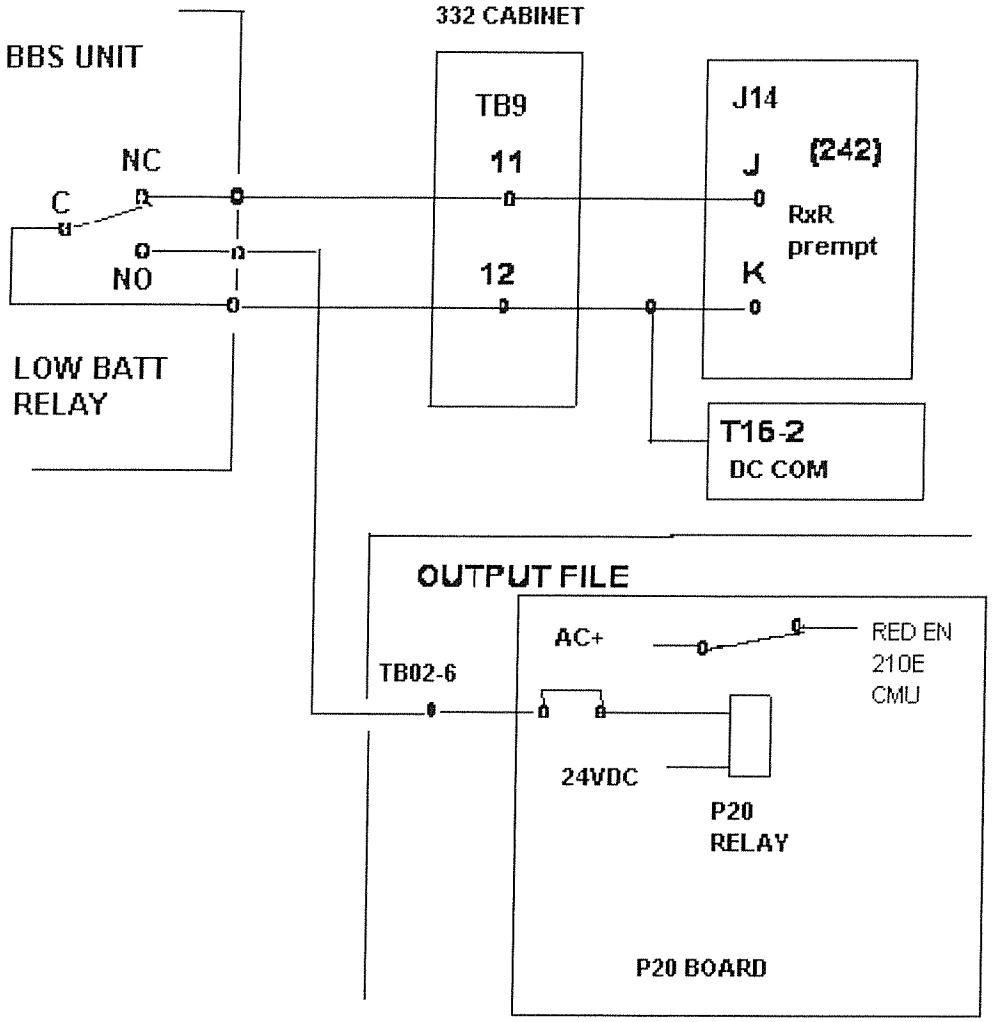
T.S. No.: 6226 Date Implemented: 7/27/17 By: DF

KEYSTROKE: 8 + column + row

	128	129	12A	12B	12C	12D	12E	12F
0	AND1		AND2		AND3		AND4	
1								
2	OR1		OR2		OR3		OR4	
3								
4	XOR1		XOR2		XOR3		XOR4	
5								
6	LATCH 1		LATCH 2		LATCH 3		LATCH 4	
7								
8	RELAY 1		RELAY 2		RELAY 3		RELAY 4	
9								
A	TIMER 1		TIMER 2		TIMER 3		TIMER 4	
B								

Comments:

A LOW BATTERY PREEMPT FOR BATTERY BACKUP SYSTEMS



In the controller, Railroad Preempt 2 will be enabled, with RR Red set to 6 sec.

In normal operation, railroad preempt will be false (low) and the CMU's Red Enable input will be true (AC+). The signal will run normally.

During a low battery state with loss of utility power, the low battery relay will pick, railroad preempt will be true and the CMU's Red Enable will be false (open). The signal will transition to a flashing red condition (RR 2).

When utility power returns, the signal will exit railroad preempt, that is will go "all-red" for 6 sec's, and return to normal operation.

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC & LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

LACO - 1H

TYPE 170 PROGRAM

Intersection: Rosecrans Av @ Aprilia Av

T.S. No.: 1285

Date Prepared: 3-28-18 SDP **By:** SSR

Date Implemented: 4-5-18 **By:** OP

PHASE TIMING

Keystrokes: F + Phase + Interval

Phase #		1	2	3	4	5	6	7	8
Minimum Walk	0		7		0		0		8
Flashing Don't Walk	1		8		0		0		21
Minimum Green	2		10		9		10		9
Queue Maximum	3		0		0		0		0
Added Green/Actuation	4		2.2		0.0		2.2		0.0
Vehicle Extension	5		3.0		3.0		3.0		3.5
Maximum Gap	6		4.0		3.0		4.0		3.5
Minimum Gap	7		2.0		3.0		2.0		3.5
Max Extension 1 (Free)	8		50		35		50		35
Max Extension 2 (Coord)	9		100		35		100		35
Offset 1	A	Dial 1: 84	Dial 2: 6	Dial 3: 10					
Offset 2	b								
Offset 3	C								
Reduce 0.1 Sec. Every...	d		1.5		0.0		1.5		0.0
Yellow	E		5.0		4.0		5.0		4.0
Red Clearance	F		0.5		2.0		0.5		2.0

Max Added Green	F-0-E	30
Red Revert	F-0-F	2.0

Remarks:

PREEMPTION

Keystrokes: F+E+Function

RR Select (0, 1, 2)		0
Track Clearance		1
RR Red		2
RR2 Maximum(Minutes)		3
EV-A Delay		4
EV-A Clearance		5
EV-B Delay		6
EV-B Clearance		7
EV-C Delay		8
EV-C Clearance		9
EV-D Delay		A
EV-D Clearance		b
EV Maximum (Seconds)		C
Delay Timer		d
Clerance Timer		E
Maximum Timer		F

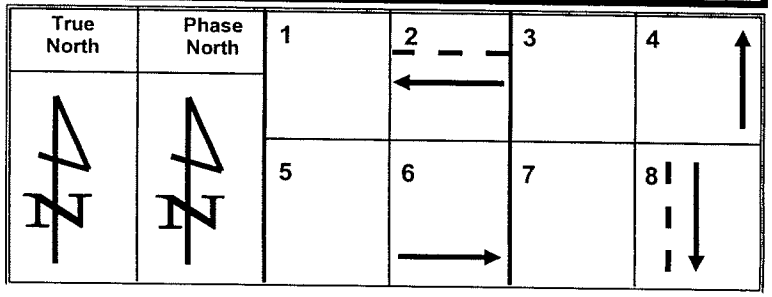
PHASE FUNCTION FLAGS

Keystokes: F+F+Function

		1	2	3	4	5	6	7	8
Phases Permitted	0		X		X		X		X
Red Lock	1								
Red & Yellow Lock	2		X				X		
Minimum Vehicle Recall	3		X				X		
Pedestrian Recall + Rest in Walk	4		X						
Pedestrian Phases	5		X						X
Rest in Red	6								
Semi Traffic Actuated Mode	7								
Double Entry	8				X				X
Maximum Vehicle Recall	9								
Overlap A	A								
Overlap B	b								
Barrier Recall	C								
Rest in Green	d								
Yellow Start Up	E		X				X		
Protected/Permissive Left Turn	F								

LAG PHASE FLAGS

		1	2	3	4	5	6	7	8
Lag Free	d-F-0		X		X		X		X
Lag Dial 1	d-F-1		X		X		X		X
Lag Dial 2	d-F-2		X		X		X		X
Lag Dial 3	d-F-3		X		X		X		X



LACO-1H - DETECTOR ASSIGNMENTS

T.S.: 1285 Intersection: Rosecrans Av @ Aprilia Av Date Prepared: 3-28-18 SDD 4-5-18 By: SSR

App	Lanes	Description	Phase File - Slot Channel	Delay Code	Delay Seconds	Extended Call Code	Extended Call Seconds	Remarks (Note: The four Programmable Detectors will default to normal phasing if not flagged.)	Yellow Disconnect Code	Yellow Disconnect Lite	Yellow Disconnect On	Queue Clearing Code	Queue Clearing Lite	Queue Clearing On
			1I1U	d10		d30			dF4	1		dF8	1	
			1I1L											
E	1	ADVANCE	2I2U	d11		d31	1.5		dF4	2		dF8	2	
E	2	ADVANCE	2I2L	d12		d32	1.5		dF4	3		dF8	3	
E	3	ADVANCE	2I3U	d13		d33	1.5		dF4	4		dF8	4	
E	LT	HOLDING	2I3L	d14		d34		2-6'X6'	dF4	5		dF8	5	
			2I4U	d15		d35		Call Ø: 1 2 3 4 5 6 7 8	dF4	6		dF8	6	
			2I4L					dd8:	dF4			dF8		
			3I5U	d16		d36			dF4	7		dF8	7	
			3I5L						dF4			dF8		
S	1-1,1-2	*1ST VEHICLE	4I6U	d17	2	d37		2-6'X6'(Front)	dF4	8		dF8	8	
S	1	*1ST VEHICLE	4I6L	d18	7	d38	1.0	2-6'X6'(Rear)	dF5	1		dF9	1	
SE	1	*1ST VEHICLE	4I7U	d19	7	d39		2-6'X6'(Frontage Rd)	dF5	2		dF9	2	
SW	1	*1ST VEHICLE	4I7L	d1A	7	d3A	1.0	2-6'X6'(Frontage Rd)	dF5	3		dF9	3	
			4I8U	d1b		d3b		Call Ø: 1 2 3 4 5 6 7 8	dF5	4		dF9	4	
			4I8L					dd9:	dF5			dF9		
			1I9U	d1C		d3c			dF5	5		dF9	5	
			3I9L	d1d		d3d			dF5	6		dF9	6	
			5J1U	d20		d40			dF6	1		dFA	1	
			5J1L						dF6			dFA		
W	1	ADVANCE	6J2U	d21		d41	1.5		dF6	2		dFA	2	
W	2	ADVANCE	6J2L	d22		d42	1.5		dF6	3		dFA	3	
W	3	ADVANCE	6J3U	d23		d43	1.5		dF6	4		dFA	4	
W	LT	HOLDING	6J3L	d24		d44		2-6'X6'	dF6	5		dFA	5	
			6J4U	d25		d45		Call Ø: 1 2 3 4 5 6 7 8	dF6	6		dFA	6	
			6J4L					ddA:	dF6			dFA		
			7J5U	d26		d46			dF6	7		dFA	7	
			7J5L						dF6			dFA		
N	1	*1ST VEHICLE	8J6U	d27	2	d47		2-6'X6'	dF6	8		dFA	8	
			8J6L	d28		d48			dF7	1		dFb	1	
			8J7U	d29		d49			dF7	2		dFb	2	
			8J7L	d2A		d4A			dF7	3		dFb	3	
			8J8U	d2b		d4b		Call Ø: 1 2 3 4 5 6 7 8	dF7	4		dFb	4	
			8J8L					ddb:	dF7			dFb		
			5J9U	d2C		d4C			dF7	5		dFb	5	
			7J9L	d2d		d4d			dF7	6		dFb	6	

YELLOW DISCONNECT QUICK REFERENCE

	Call Lights							
Code	1	2	3	4	5	6	7	8
dF4								
dF5								
dF6								
dF7								

Remarks:
* BIKE DETECTION

QUEUE CLEARING DETECTOR QUICK REFERENCE

	Call Lights							
Code	1	2	3	4	5	6	7	8
dF8								
dF9								
dFA								
dFb								

LACO-1H - COORDINATION

T.S. No.: 1285 Intersection: Rosecrans Av @ Aprilia Av

System Limits: Rosecrans Ave from Stanford Ave to Aprilia Av

Remote Master: WWV Date Prepared: 3-28-18 SDP By: SSR

Date Implemented: 4-5-18 By: OP

TIME OF DAY OPERATION SUMMARY

	Dial 1	Dial 2	Dial 3 / Offset Timing
Offset 1	0900-1500 M-F, 1830-2100 M-F	0600-0900 M-F	1500-1830 M-F
Offset 2			
Offset 3			
Free	All other times		
Special			

* Set Local Manual to 14 (free) before setting or changing dial intervals & functions. Setting either of the Manuals to 0 will release that Manual.

Offset Timing Mode:
A 12 at C-0-1 or by T.O.D enables this mode and uses the Dial 3 Intervals and Functions.

Observe:

Call	d-F-C
Hold	d-F-d
Ped Restrict	d-F-E
Force - Off	d-F-F
Cycle with Field Calls	C-0-b
Master Sync Pulse Width	d-0-d

INTERCONNECT SELECT

d-0-0 [ ] 7 = Slave [X] 170 = Master

d-0-E Set Maximum Width 4.0 Seconds

d-0-F Set Minimum Width 1.0 Seconds

Remarks:

Keystrokes: C + Column + Row

Coordination Parameters		INTERVALS (in seconds)			FUNCTION FLAGS												
					DIAL 1				DIAL 2				DIAL 3 / OFFSET TIMING				
		Dial 1	Dial 2	Dial 3	Force Off	Hold	Ped Rstrict	Call	Force Off	Hold	Ped Rstrict	Call	Force Off	Hold	Ped Rstrict	Call	
0	Int	1	2	3	4	5	6	7	8	9	A	b	C	d	E	F	Int
System Manual* 0	0	90	90	90	2,6				2,6				2,6				0
Local Manual* 0	1	1	1	1	-,-	2,6			-,-	2,6			-,-	2,6			1
Master Dial	2	7	7	7		-,-	8			-,-	8			-,-	8		2
Current Dial	3	21	21	21		2,6	8			2,6	8			2,6	8		3
Offset Number	4	36	36	36	4,8	2,6	-		4,8	2,6	-		4,8	2,6	-		4
Time of Day Plan	5	37	37	37	-,-	2,6			-,-	2,6			-,-	2,6			5
Function 6 14	6	75	75	73		-,-	2			2,6	2			-,-			6
Current Table	7	90	78	75			-			-,-	2				2		7
Minimum Cycle 0	8		90	90							-				-		8
Maximum Cycle 255	9																9
Master Timer	A																A
Local Timer	b																b
New Offset	C																C
Current Offset	d																d
Last Master Cycle	E																E
Last Local Cycle	F																F

LACO-1H

CLOCK AND EVENT TABLE SHEET

Intersection: Rosecrans Av @ Aprilia Av

Date Prepared: 3-28-18 SDD By: SSR

T.S. No.: 1285

Date Implemented: 4-5-18 By: OP

CONTROL CODE A-C — **CLOCK**

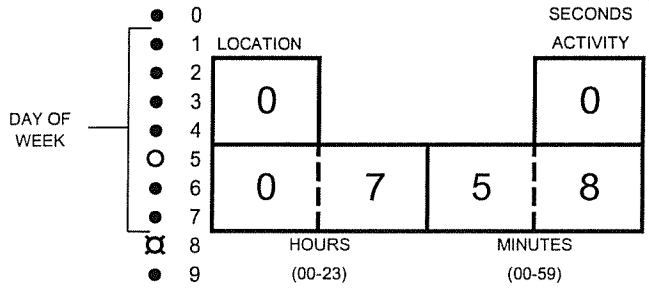


FIG. 1

CONTROL CODE A-D

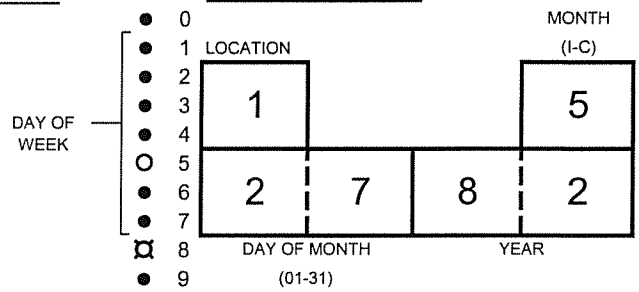


FIG. 2

ABOVE EXAMPLES

7:58 A.M. ON THURSDAY (FIG. 1)
MAY 27, 1982 (FIG. 2)

DAY OF WEEK

1	SUNDAY
2	MONDAY
3	TUESDAY
4	WEDNESDAY
5	THURSDAY
6	FRIDAY
7	SATURDAY

MONTH

1	JANUARY	7	JULY
2	FEBRUARY	8	AUGUST
3	MARCH	9	SEPTEMBER
4	APRIL	A	OCTOBER
5	MAY	B	NOVEMBER
6	JUNE	C	DECEMBER

DIRECTIONS

At control code A - C, key in hours and minutes, then key in 0 for seconds activity. Enter key E and turn on call light corresponding to day of the week. (NOTE: Seconds start at 0 seconds - for observation and correction use address D - 4 - F). At cibtrik cide A - D, key in the day of the month, year and month, then enter key E.

CONTROL CODE 9-3

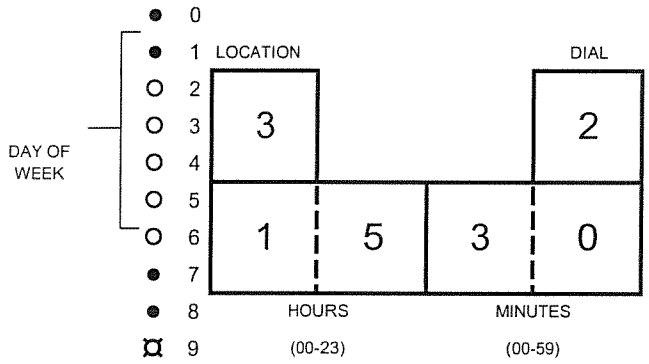


FIG. 3

ABOVE EXAMPLE

The example (FIG. 3), shows a time of day event at control code 9-3 with dial 2 to start at 3:30 P.M. each weekday from Monday through Friday.

DIRECTIONS

To set an event, key in 9 + the table location, key in hour, minute, and event, then enter key E. Set day(s) with call/active lights. To observe current event use address C - 0 - 5. (NOTE: These time of day events are local - not system events.)

REMARKS:

EVENT TABLE

FOR DIRECT INTERCONNECT ONLY. (D00=7)

LOC. 9+ ↓	TIME	EVENT *DIAL	DAY AND LIGHT ← Set DAY using call/active LIGHT → SUN 1	MON 2	TUE 3	WED 4	THUR 5	FRI 6	SAT 7
0									
1									
2									
3									
4									
5									
6									
7									
8									
9									
A									
B									
C									
D									
E									
F									

* DIAL 1 = 1, 2 = 2, 3 = 3, FREE = E, OFF = 0.

(NOTE: At C - 0 - 5, Free = 14)

OFFSET TIMING =C T.O.D. FLASH=F

LACO-1H - EVENT TABLES

Intersection: Rosecrans Av @ Aprilia Av

Date Prepared: 3-28-18 SDD By: SSR

T.S. No.: 1285

Date Implemented: 4-5-18 By: SR

TABLE 0 - DEFAULT			s	m	t	w	t	f	s
Code	Hour : Min	Plan	1	2	3	4	5	6	7
0 -0	00 : 00	E	X	X	X	X	X	X	X
0 -1	06 : 00	2		X	X	X	X	X	
0 -2	09 : 00	1		X	X	X	X	X	
0 -3	15 : 00	3		X	X	X	X	X	
0 -4	18 : 30	1		X	X	X	X	X	
0 -5	21 : 00	E		X	X	X	X	X	
0 -6	:								
0 -7	:								
0 -8	:								
0 -9	:								
0 -A	:								
0 -b	:								
0 -C	:								
0 -d	:								
0 -E	:								
0 -F	:								

TABLE 3			s	m	t	w	t	f	s
Code	Hour : Min	Plan	1	2	3	4	5	6	7
3 -0	:								
3 -1	:								
3 -2	:								
3 -3	:								
3 -4	:								
3 -5	:								
3 -6	:								
3 -7	:								
3 -8	:								
3 -9	:								
3 -A	:								
3 -b	:								
3 -C	:								
3 -d	:								
3 -E	:								
3 -F	:								

ANNUAL EVENTS			s	m	t	w	t	f	s
Code	Month / Nth	Table	1	2	3	4	5	6	7
5 -0	/								
5 -1	/								
5 -2	/								
5 -3	/								
5 -4	/								
5 -5	/								
5 -6	/								
5 -7	/								
5 -8	/								
5 -9	/								
5 -A	/								
5 -b	/								
5 -C	/								
5 -d	/								
5 -E	/								
5 -F	/								

TABLE 1			s	m	t	w	t	f	s
Code	Hour : Min	Plan	1	2	3	4	5	6	7
1 -0	00 : 00	E		X	X	X	X	X	
1 -1	:								
1 -2	:								
1 -3	:								
1 -4	:								
1 -5	:								
1 -6	:								
1 -7	:								
1 -8	:								
1 -9	:								
1 -A	:								
1 -b	:								
1 -C	:								
1 -d	:								
1 -E	:								
1 -F	:								

Plan = Plan Number

	D1	D2	D3
O1 =	1	2	3
O2 =	4	5	6
O3 =	7	8	9

Plans:
A = Arrows On
B = TOD Output On
C = Offset Timing
D = Arrows / TOD Output Off
E = Function 6
F = Flash

Keys:
0 = No Days
8 = All Days
9 = Weekdays

Table #4, Nth = The number of the occurrence in the month (1-5). 99 = Always the last occurance in the month.

I.E. Thanksgiving = 11/04 [Table] and Thursday.

ANNUAL EVENTS			s	m	t	w	t	f	s
Code	Month / Nth	Table	1	2	3	4	5	6	7
6 -0	/								
6 -1	/								
6 -2	/								
6 -3	/								
6 -4	/								
6 -5	/								
6 -6	/								
6 -7	/								
6 -8	/								
6 -9	/								
6 -A	/								
6 -b	/								
6 -C	/								
6 -d	/								
6 -E	/								
6 -F	/								

TABLE 2			s	m	t	w	t	f	s
Code	Hour : Min	Plan	1	2	3	4	5	6	7
2 -0	:								
2 -1	:								
2 -2	:								
2 -3	:								
2 -4	:								
2 -5	:								
2 -6	:								
2 -7	:								
2 -8	:								
2 -9	:								
2 -A	:								
2 -b	:								
2 -C	:								
2 -d	:								
2 -E	:								
2 -F	:								

FLOATING HOLIDAYS			s	m	t	w	t	f	s
Code	Month / Nth	Table	1	2	3	4	5	6	7
4 -0	01 / 03	1		X					
4 -1	02 / 03	1		X					
4 -2	05 / 99	1		X					
4 -3	09 / 01	1		X					
4 -4	11 / 04	1					X		
4 -5	/								
4 -6	/								
4 -7	/								
4 -8	/								
4 -9	/								
4 -A	/								
4 -b	/								
4 -C	/								
4 -d	/								
4 -E	/								
4 -F	/								

ANNUAL EVENTS			s	m	t	w	t	f	s
Code	Month / Nth	Table	1	2	3	4	5	6	7
7 -0	/								
7 -1	/								
7 -2	/								
7 -3	/								
7 -4	/								
7 -5	/								
7 -6	/								
7 -7	/								
7 -8	/								
7 -9	/								
7 -A	/								
7 -b	/								
7 -C	/								
7 -d	/								
7 -E	/								
7 -F	/								

LACO-1H - ANNUAL TABLES

Intersection: Rosecrans Av @ Aprilia Av

Date Prepared: 3-28-18 SDD By: SSR

T.S. No.: 1285

Date Implemented: 4-5-18 By: SP

EXCEPTION DAYS			s	m	t	w	t	f	s
Code	Month / Day	Flag	1	2	3	4	5	6	7
8-0	01 / 01	1		X	X	X	X	X	
8-1	01 / 02	1		X					
8-2	07 / 04	1		X	X	X	X	X	
8-3	07 / 05	1		X					
8-4	11 / 10	1						X	
8-5	11 / 11	1		X	X	X	X	X	
8-6	11 / 12	1		X					
8-7	12 / 24	1		X	X	X	X	X	
8-8	12 / 25	1		X	X	X	X	X	
8-9	12 / 26	1		X				X	
8-A	/								
8-b	/								
8-C	/								
8-d	/								
8-E	/								
8-F	/								

EXCEPTION TIMES			Table 8 Flags						
Code	Hour : Min	Plan	1	2	3	4	5	6	7
9-0	00 : 00	E	X						
9-1	:								
9-2	:								
9-3	:								
9-4	:								
9-5	:								
9-6	:								
9-7	:								
9-8	:								
9-9	:								
9-A	:								
9-b	:								
9-C	:								
9-d	:								
9-E	:								
9-F	:								

NOTES ON USING TABLES:

Starting from the base display [A/b], Table access is gained with a two digit Table Code. Access is verified by the flashing of both Call Light 9 and the Phase digit* of the display (* No Flash if Table # & Event # match).

Five keypresses will be required followed by [E] to either the data and open the flag mode. Day of Week flags can now be set.

ADDITIONAL KEY CODES:

d-0-3=1 Search Tables
d-0-3=3 Repoll WWV Clock
d-A-F=1 Repoll WWV Clock
d-0-3=071 Save Timing to Prom Module
d-0-3=170 Download TIming into 170
d-0-3=999 Clear All Tables
F-0-0=Phase/Dial Copy - Source
F-0-1=Phase/Dial Copy - Destination
F-0-4=Program Number (66)
d-0-8,9,A=Mo,Day,Yr of Latest Revision
E-E-0-0= Reinitialization

SPECIAL FUNCTION TABLE									
Keystrokes: F + d + Function									
		Phase Flags							
		1	2	3	4	5	6	7	8
(Green) Calling Phases	0								
(Green) Call To Phases	1								
(Yellow) Calling Phases	2								
(Yellow) Call To Phases	3								
Auxiliary Ovlp A Output	4								
Mid-Block Ped Crossing	5								
Driveway Flash	6								
Green Extension	7								
Sequential Ped	8								
Not Used	9								
EV- A Clearance Phases	A								
EV- B Clearance Phases	b								
EV- C Clearance Phases	C								
EV- D Clearance Phases	d								
Track Clerance Phases	E								
Limited Servces Phases	F								

When Any Flagged Phase Is Green ---
--- Place A Locked Call To These Phases.
When Any Flagged Phase Is Yellow ---
-- Place A Locked Call To These Phases.
"Three Color Single Phase Overlap" Outputs On Auxiliary File - Slot 1
Ø4P Only. Ø2 & Ø6 Reds Flash During Ø4P Clearance.
Flashes the Green Outputs of the Selected Phases.
Staggered Termination At Barrier Crossing.
Allows Ø1, Ø3 or Ø5 Ped to Output on the Ø8P Load Switch.

OVERLAP GREEN OMIT	Keys	1	2	3	4	5	6	7	8
Green Omit for Overlap A	F-C-4								
Green Omit for Overlap B	F-C-5								
Green Omit for Overlap C	F-C-6								
Green Omit for Overlap D	F-C-7								

F-9-7		Coordination Free Time (Seconds) After railroad preempt
F-9-d		Green Rest Delay Time (Seconds)
d-0-1		RAILROAD ROUTINE SELECT: 0=Normal Railroad 1=Special Two Input Railroad Routine
d-0-2		MANUAL CONTROL: 0=Not Enabled 1=No Rcalls 2=Vehicle recalls 3=Vehicle and Ped Recalls

PHASE OMIT	Keys	1	2	3	4	5	6	7	8
Phase Omit (Observe Only)	d-d-4								
Phase Omit for Dial 1	d-d-5								
Phase Omit for Dial 2	d-d-6								
Phase Omit for Dial 3	d-d-7								

ADDITIONAL OVERLAPS	Keys	1	2	3	4	5	6	7	8
Aux File 2 Color Overlap C	d-d-C								
Aux File 2 Color Overlap D	d-d-d								
Ø7 Load Sw. 3 Color Ovrlp E	d-d-E								
Green Omit for Overlap E	d-d-F								

PHASE OMIT is active when Coordination CALL function is active and the OMIT flag is set.

Overlap E will not function if the Railroad Preempt has been selected.

LACO-1H - COMMUNICATION & SPECIAL OPTIONS

Intersection: Rosecrans Av @ Aprilia Av Date Prepared: 3-28-18 SDD By: SSR

T.S. No.: 1285 Date Implemented: 4-5-18 By: OP

SPECIAL OPTIONS	Keys	
Comm 3 Options	F-9-3	
User Flag Options	F-C-2	
AB3418 Slave Number (1-62)	F-9-0	

Comm 3 Options (F-9-3)
1 = Unused
2 = Transmit 7-Wire
3 = Unused
4 = Transmit Time & Day
5 = Unused
6 = Transmit Plan
7 = Transmit State Protocal AB3418 Time & Date
8 = Receive & Respond to State Protocal AB3418

User Options (F-C-2)
1 = Send out the "System Sync Pulse" on Phase 4 Ped Yellow
2 = Send out the "Time of Day Output" on Phase 4 Ped Yellow
3 = Send out the "Midnight Sync Pulse" on Phase 4 Ped Yellow
4 = Reserved
5 = Enable AB3418 to set the Time & Date
6 = Enable AB3418 to set the Coordination Free
7 = Enable the Special Time of Day Overlap B
8 = Enable the Freeway Ramp Release Logic Routine

Note: A Slave Number must be entered at F-9-0 (1-62) when using Option # 8.

COMM BAUD RATES	Keys	
Comm 1 Baud Rate	D-E-C	
Comm 2 Baud Rate	D-E-D	
Comm 3 Baud Rate	D-E-E	
Comm 4 Baud Rate	D-E-F	

Baud Rate Setting:

128 = 1200 bps (Default)	08 = 19.2k bps
64 = 2400 bps	04 = 38.4k bps
32 = 4800 bps	02 = 76.8k bps
16 = 9600 bps	01 = 153.6k bps

Note:
Upon initialization, all Comm ports are set to the Default baud rate of 1200 bps. This is also the baud rate for the WWV radio and GPS clock receivers.

To enable Ram Clock/Calander, set D-0-B ≠ 0

DAYLIGHT SAVINGS TIME		
Page Set: F - 9 - F = 4; Key In: C - 9 - Row	ROW	
Standard Time Month* (01 thru 12)	0	11
Standard Time Sunday (01 thru 04)	1	1
Daylight Savings Time Month* (01 thru 12)	2	3
Daylight Savings Time Sunday (01 thru 04)	3	2

*Setting either the Standard Time Month or the Daylight Savings Time Month to zero will disable the LACO-1H DST Adjustment function.

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By:

T.S. .: 4151 Date Implemented: 1-6-09 By: WB

CORRECTED

UTILITIES SUBMENU

8-7. SOFTWARE MODULES

NAME	PART NUMBER	VERSION
BOOT	100-1047-208	V1.08.00
APPLICATION	100-1082-241	V2.41.00
CONFIGURATION	100-1049-001	N3402
HELP	100-1050-001	01.00.00
DEFINITIONS	100-1051-001	02.10.00
TEXT	100-1052-001	02.10.00
TELEMETRY	100-1032-501	V0.00.00

PHASE DIAGRAM

True North	1	2	3	4	9	10	13	14
Phase North	5	6	7	8	11	12	15	16

Comments:

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By: EI

T.S. No.: 4151 Date Implemented: 1-6-09 By: WAV

CONFIGURATION SUBMENU

1-1-1. PHASE RING SEQUENCE AND ASSIGNMENT

DATA FOR SEQUENCE								1								
HARDWARE ALTERNATE SEQUENCE ENABLE								NO								
RING 1	1	2	3	4	9	10	13	14								
RING 2	5	6	7	8	11	12	15	16								
RING 3																
RING 4																

DATA FOR SEQUENCE								2								
HARDWARE ALTERNATE SEQUENCE ENABLE																
RING 1																
RING 2																
RING 3																
RING 4																

DATA FOR SEQUENCE								3								
HARDWARE ALTERNATE SEQUENCE ENABLE																
RING 1																
RING 2																
RING 3																
RING 4																

DATA FOR SEQUENCE								4								
HARDWARE ALTERNATE SEQUENCE ENABLE																
RING 1																
RING 2																
RING 3																
RING 4																

DATA FOR SEQUENCE								5								
HARDWARE ALTERNATE SEQUENCE ENABLE																
RING 1																
RING 2																
RING 3																
RING 4																

DATA FOR SEQUENCE								6								
HARDWARE ALTERNATE SEQUENCE ENABLE																
RING 1																
RING 2																
RING 3																
RING 4																

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By:

No.: 4151 Date Implemented: 1-6-09 By:

CONFIGURATION SUBMENU

1-1-2. PHASE COMPATIBILITY

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1					X	X										
2					X	X										
3							X	X								
4							X	X								
5	X	X														
6	X	X														
7			X	X												
8			X	X												
9											X	X				
10											X	X				
11									X	X						
12									X	X						
13															X	X
14															X	X
15													X	X		
16													X	X		

1-1-3. RESERVED (FOR FUTURE RELEASE)

1-1-4. BACKUP PREVENT PHASES

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By:

T.S. No.: 4151 Date Implemented: 1-6-09 By: WL

CONFIGURATION SUBMENU

1-1-5. SIMULTANEOUS GAP

MUST GAP WITH PHASE	PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	1																
	2																
	3																
	4																
	5																
	6																
	7																
	8																
	9																
	10																
	11																
	12																
	13																
	14																
	15																
	16																

1-2. PHASE IN USE / EXCLUSIVE PEDESTRIAN

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PHASES IN USE	X	X	X	X	X	X	X	X								
EXCLUSIVE PED																

1-3. PHASE TO LOAD SWITCH (MMU) ASSIGNMENT

LOAD SWITCH	PHASE / OVERLAP	TYPE	DIMMING				AUTO FLASH		
			RED	YELLOW	GREEN	DIMMING	RED	YELLOW	TOGETHER
1	1	V					X		X
2	2	V					X		X
3	3	V					X		X
4	4	V					X		X
5	5	V					X		X
6	6	V					X		X
7	7	V					X		X
8	8	V					X		X
9	2	P							
10	4	P							
11	6	P							
12	8	P							
13									
14									
15									
16									

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 RD By:

S. No.: 4151 Date Implemented: 1-6-09 By:

CONFIGURATION SUBMENU

1-4-1. SDLC OPTIONS

TERM & FACILITY	1	2	3	4	5	6	7	8
ENABLE	-	-						
PEER TO PEER ENABLE								

DETECTOR RACK	1	2	3	4	5	6	7	8
ENABLE								
PEER TO PEER ENABLE								

MMU ENABLE	~~YES~~ NO
MMU STOP TIME	NO
DIAGNOSTIC ENABLE (TEST FIXTURE)	NO
CONTROLLER PEER TO PEER ENABLE	NO
DISABLE 3 CRITICAL RFE'S LOCKUP	NO

1-4-2. MMU PROGRAM

	CHANNEL CAN SERVE WITH														
CHANNEL	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															

1-4-3. COLOR CHECK DISABLE

DISABLE ALL COLOR CHECKS								
MMU CHANNEL	1	2	3	4	5	6	7	8
GREEN / WALK								
YELLOW / PC								
RED / DW								
MMU CHANNEL	9	10	11	12	13	14	15	16
GREEN / WALK								
YELLOW / PC								
RED / DW								

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By:

T.S. No.: 4151 Date Implemented: 1-6-09 By: SO

CONFIGURATION SUBMENU

1-5-1. GLOBAL PORT PARAMETERS

NTCIP BACKUP TIME (in seconds)	0
PORT 2 PRIORITY	4
PORT 3A PRIORITY	2
PORT 3B PROIRITY	3
ETHERNET PRIORITY	1

1-5-2. PORT 2 (TERMINAL)

PROTOCOL	TERMINAL
ENABLE	NO
DATA RATE (BPS)	9600
DATA, PARITY, STOP	8, N, 1
MODEM SETUP STRING	
USER STRING	
MODEM CONTROL ENABLE	
COMM PORT ADDRESS	
SYSTEM DETECTOR 9-16 ADDRESS	
TELEMETRY RESPONSE DELAY (in ms)	0
DUPLEX - HALF OR FULL	HALF
AB3418 / NTCIP GROUP ADDRESS	
AB3418 / NTCIP SINGLE FLAG ENABLE	YES
RTS TO CTS DELAY (in ms)	
RTS TURN OFF DELAY (in ms)	
DROP-OUT TIME (in seconds)	10
EARLY RTS	NO

1-5-3. PORT 3A (TELEMETRY)

PROTOCOL	AB 3418
ENABLE	
DATA RATE (BPS)	
DATA, PARITY, STOP	
MODEM SETUP STRING	
USER STRING	
MODEM CONTROL ENABLE	
COMM PORT ADDRESS	
SYSTEM DETECTOR 9-16 ADDRESS	
TELEMETRY RESPONSE DELAY (in ms)	
DUPLEX - HALF OR FULL	
AB3418 / NTCIP GROUP ADDRESS	
AB3418 / NTCIP SINGLE FLAG ENABLE	
RTS TO CTS DELAY (in ms)	
RTS TURN OFF DELAY (in ms)	
DROP-OUT TIME (in seconds)	
EARLY RTS	

1-5-4. PORT 3B

PROTOCOL	AB 3418
ENABLE	
DATA RATE (BPS)	
DATA, PARITY, STOP	
MODEM SETUP STRING	
USER STRING	
MODEM CONTROL ENABLE	
COMM PORT ADDRESS	
SYSTEM DETECTOR 9-16 ADDRESS	
TELEMETRY RESPONSE DELAY (in ms)	
DUPLEX - HALF OR FULL	
AB3418 / NTCIP GROUP ADDRESS	
AB3418 / NTCIP SINGLE FLAG ENABLE	
RTS TO CTS DELAY (in ms)	
RTS TURN OFF DELAY (in ms)	
DROP-OUT TIME (in seconds)	
EARLY RTS	

1-5-5. ETHERNET PORT CONFIGURATION

MAC ADDRESS	
IP ADDRESS	
ADDRESS MASK	
FTP SERVER ADDRESS	
DEFAULT GATEWAY IP ADDRESS	
NTCIP UDP PORT	

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By: [redacted]

T.S. #: 4151 Date Implemented: _____ By: _____

CONFIGURATION SUBMENU

1-6-1. EVENT LOGGING

CRITICAL RFE'S (MMU / TF)	YES
3 CRITICAL RFE ERRORS IN 24 HOURS	NO
NON-CRITICAL RFE'S (DET/TEST)	NO
DETECTOR ERRORS	YES
COORDINATION ERRORS	YES
MMU FLASH FAULTS	YES
LOCAL FLASH	YES
PREEMPT	YES
TSP	YES
POWER ON/OFF	YES
LOW BATTERY	YES
ACCESS	YES
DATA CHANGE	YES
CONTROLLER DOWNLOAD	YES

ALARM 1	YES	ALARM 2	
ALARM 3		ALARM 4	
ALARM 5		ALARM 6	
ALARM 7		ALARM 8	
ALARM 9		ALARM 10	
ALARM 11		ALARM 12	
ALARM 13		ALARM 14	
ALARM 15		ALARM 16	

1-7-1. ADMINSTRATION

ENABLE IDOT CRC CHECK	
CONTROLLER DATABASE CRC	
HARDWIRED IDOT CRC	
COMPUTED IDOT CRC	
REQUEST DOWNLOAD OF PROGRAM DATA	

1-7-2. DISPLAY OPTIONS

KEY CLICK ENABLE	YES
BACKLIGHT ENABLE	YES

1-8-1. LOGIC STATEMENT CONTROL

	1	2	3	4	5	6	7	8	9	10
LP 1-10										
LP 11-20										
LP 21-30										
LP 31-40										
LP 41-50										
LP 51-60										
LP 61-70										
LP 71-80										
LP 81-90										
LP 90 -100										

1-8-2. LOGIC STATEMENTS

LOGIC #		ACTIVE				
IF						
THEN						
ELSE						

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By: [illegible]

T.S. No.: 4151 Date Implemented: 1-6-09 By: [illegible]

CONTROLLER SUBMENU

2-1. CONTROLLER TIMING DATA

TIMING PLAN	1	PHASE DATA															
PHASE		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
MINIMUM GREEN		4	6	4	6	4	6	4	6								
BICYCLE MIN GREEN		0	0	0	0	0	0	0	0								
CONDITIONAL SERVICE MIN GRN		0	0	0	0	0	0	0	0								
DELAY GREEN		0	0	0	0	0	0	0	0								
WALK		0	7	0	7	0	7	0	7								
WALK 2		0	0	0	0	0	0	0	0								
WALK MAX		0	0	0	0	0	0	0	0								
PEDESTRIAN CLEARANCE		0	21	0	18	0	19	0	18								
PEDESTRIAN CLEARANCE 2		0	0	0	0	0	0	0	0								
PEDESTRIAN CLEARANCE MAX		0	0	0	0	0	0	0	0								
PEDESTRIAN CARRY OVER		0	0	0	0	0	0	0	0								
VEHICLE EXTENSION		1.5	4.5	2.0	4.5	1.5	4.5	2.0	4.5								
VEHICLE EXTENSION 2		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0								
MAX 1		20	50	20	40	20	50	20	40								
MAX 2		0	0	0	0	0	0	0	0								
MAX 3		0	0	0	0	0	0	0	0								
DYNAMIC MAX		0	0	0	0	0	0	0	0								
DYNAMIC MAX STEP		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0								
YELLOW		3.0	4.5	3.0	5.0	3.0	4.5	3.0	5.0								
RED CLEARANCE		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0								
RED MAX		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0								
RED REVERT		2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0								
ACTUATIONS BEFORE (ACT B4)		0	0	0	0	0	0	0	0								
SEC/ACTUATION		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0								
MAX ADDED INITIAL (MAX INI)		0	0	0	0	0	0	0	0								
TIME BEFORE GAP REDUCTION		0	15	0	15	0	15	0	15								
CARS WAITING B4 REDUCTION		0	255	0	255	0	255	0	255								
STEP TO REDUCE (STPTDUC)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0								
TIME TO REDUCE (TTREDUC)		0	15	0	15	0	15	0	15								
MINIMUM GAP		1.5	3.0	2.0	3.0	1.5	3.0	2.0	3.0								

Comments:

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By:

T.S No.: 4151 Date Implemented: By:

PAGE NOT USED

CONTROLLER SUBMENU

2-2. VEHICLE OVERLAP

VEHICLE OVERLAP	
TYPE	

PHASES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
INCLUDED																
PROTECT																
MODIFIER																
PED PROTECT																
NOT OVLP																
TRAILING																
LEAD																
FLASH GRN																

TRAILING GREEN		TRAILING YELLOW		TRAILING RED	
ADVANCE GREEN					

VEHICLE OVERLAP	
TYPE	

PHASES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
INCLUDED																
PROTECT																
MODIFIER																
PED PROTECT																
NOT OVLP																
TRAILING																
LEAD																
FLASH GRN																

TRAILING GREEN		TRAILING YELLOW		TRAILING RED	
ADVANCE GREEN					

VEHICLE OVERLAP	
TYPE	

P S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
INCLUDED																
PROTECT																
MODIFIER																
PED PROTECT																
NOT OVLP																
TRAILING																
LEAD																
FLASH GRN																

TRAILING GREEN		TRAILING YELLOW		TRAILING RED	
ADVANCE GREEN					

VEHICLE OVERLAP	
TYPE	

PHASES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
INCLUDED																
PROTECT																
MODIFIER																
PED PROTECT																
NOT OVLP																
TRAILING																
LEAD																
FLASH GRN																

TRAILING GREEN		TRAILING YELLOW		TRAILING RED	
ADVANCE GREEN					

VEHICLE OVERLAP	
TYPE	

PHASES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
INCLUDED																
PROTECT																
MODIFIER																
PED PROTECT																
NOT OVLP																
TRAILING																
LEAD																
FLASH GRN																

TRAILING GREEN		TRAILING YELLOW		TRAILING RED	
ADVANCE GREEN					

VEHICLE OVERLAP	
TYPE	

PHASES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
INCLUDED																
PROTECT																
MODIFIER																
PED PROTECT																
NOT OVLP																
TRAILING																
LEAD																
FLASH GRN																

TRAILING GREEN		TRAILING YELLOW		TRAILING RED	
ADVANCE GREEN					

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By:

T.S. No.: 4151 Date Implemented: By:

CONTROLLER SUBMENU

2-3. PEDESTRIAN OVERLAPS

PED OVERLAP	INCLUDED PHASES: 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																

2-4. GUARANTEED MINIMUM TIME DATA

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
MIN GRN	4	6	4	6	4	6	4	6								
WALK																
PED CLR																
YELLOW	3.0	4.5	3.0	5.0	3.0	4.5	3.0	5.0								
RED CLR	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0								
OVERLAP	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
OVLP GRN																

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By:

T. J.: 4151 Date Implemented: 1-6-09 By: WB

CONTROLLER SUBMENU

2-5. START / FLASH DATA

POWER START																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PHASE		Y				Y										
OVERLAP																
POWER START RED			0		FLASH TIME			0								
POWER START SEQ			1													

REMOTE FLASH																
PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
ENTRY		X				X										
EXIT		X				X										
OVERLAP	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
EXIT																
EXIT REMOTE FLASH			R		MIN AUTO FLASH				10							
MINIMUM RECALL			NO		CYCLE THRU PHASE				NO							

2-6-1. CONTROLLER OPTIONS

PEDESTRIAN CLEARANCE PROTECT																
UNIT RED REVERT																
PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
GUARANTEED PASSAGE																
NON-ACT I																
NON-ACT II																
DUAL ENTRY																
COND SERVICE																
COND RESERVICE																
PED RESERVICE																
REST IN WALK																
FLASHING WALK																
PED CLEAR > YELLOW																
PED CLEAR > ALL RED																
INIT GREEN + VEH EXT																

2-6-2. EXTENDED OPTIONS [DEMO]

FEATURE 1		
FEATURE 2		

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By:

T.S. No.: 4151 Date Implemented: 1-6-09 By:

CONTROLLER SUBMENU

2-7. ACTUATED / PRE-TIMED MODE

ENABLE PRE-TIMED OPERATION	NO
FREE INPUT DISABLES PRE-TIMED	NO

PHASE	1	2	3	4	5	6	7	8
PRE-TIMED								

PHASE	9	10	11	12	13	14	15	16
PRE-TIMED								

2-8. PHASE RECALL OPTIONS

TIMING PLAN NUMBER	

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
LOCK DETECTOR		X		X		X		X								
VEHICLE RECALL		X				X										
PEDESTRIAN RECALL																
MAX RECALL																
SOFT RECALL																
NO REST																
ADD INITIAL CALC																

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 RD By:

Jo.: 4151 Date Implemented: By:

COORDINATION SUBMENU

COORDINATION OPERATION SUMMARY			
COORDINATION PATTERN	SPLIT PATTERN	HOURS OF OPERATION	DAYS OF OPERATION
FREE OPERATION			

3-1. COORDINATOR OPTIONS

MANUAL PATTERN	~~254~~		
INTERCONNECT SOURCE		INTERCONNECT FORMAT	
TRANSITION		ECPI COORD	
OFFSET REFERENCE		DWELL / ADD TIME	
DELAY COORD WALK TO LOCAL ZERO		FORCE OFF	
FO ADDED INITIAL GREEN		USE PED TIME	
PED RECALL		PED RE-SERVICE	
ENABLE MANUAL SYNC		LOCAL ZERO OVERRIDE	
RE-SYNC COUNT		MAX SELECT	
MULTISYNC			
SPLITS IN			
OFFSET IN			

SEE THE NEXT FOLLOWING PAGES FOR SECTIONS 3-2. COORDINATOR PATTERN & 3-3. SPLIT PATTERN

3-4. AUTO PERMISSIVE MINIMUM GREEN (SECONDS)

PHASE	1	2	3	4	5	6	7	8
MINIMUM GREEN								

PHASE	9	10	11	12	13	14	15	16
MINIMUM GREEN								

3-5. SPLIT DEMAND

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DEMAND 1																
DEMAND 2																

DEMAND	1	2
DETECTOR		
CALL TIME (SECONDS)		
CYCLE COUNT		

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By:

T.S. No.: 4151 Date Implemented: By:

PAGE NOT USED

COORDINATION SUBMENU

3-2. COORDINATOR PATTERN

COORDINATOR PATTERN			
TS2 (PAT - OFF)		STD (COS)	
CYCLE		SPLIT PATTERN	
OFFSET VALUE		SEQUENCE	
SPLITS IN		OFFSET IN	
X-ING ARTERIAL PATTERN			
VEH PERM 1		VEH PERM 2	
VEH PERM 2 DISP		ACTION PLAN	
ACTUATED COORD		TIMING PLAN	
ACT WALK REST		PHASE RESERVICE	

	1	2	3	4
RING SPLIT EXT (SEC)				
SPLIT DEMAND PATTERN				
RING DISPLACEMENT				

DIRECTED SPLIT PREFERENCE PHASES

	1	2	3	4	5	6	7	8
PREFERENCE 1								
PREFERENCE 2								
	9	10	11	12	13	14	15	16
PREFERENCE 1								
PREFERENCE 2								

SPECIAL FUNCTION	1	2	3	4	5	6	7	8
OUTPUTS								

COORDINATOR PATTERN			
TS2 (PAT - OFF)		STD (COS)	
CYCLE		SPLIT PATTERN	
OFFSET VALUE		SEQUENCE	
SPLITS IN		OFFSET IN	
X-ING ARTERIAL PATTERN			
VEH PERM 1		VEH PERM 2	
VEH PERM 2 DISP		ACTION PLAN	
ACTUATED COORD		TIMING PLAN	
ACT WALK REST		PHASE RESERVICE	

	1	2	3	4
RING SPLIT EXT (SEC)				
SPLIT DEMAND PATTERN				
RING DISPLACEMENT				

DIRECTED SPLIT PREFERENCE PHASES

	1	2	3	4	5	6	7	8
PREFERENCE 1								
PREFERENCE 2								
	9	10	11	12	13	14	15	16
PREFERENCE 1								
PREFERENCE 2								

SPECIAL FUNCTION	1	2	3	4	5	6	7	8
OUTPUTS								

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By:

T.S. No.: 4151 Date Implemented: By:

PA. NOT USED

COORDINATION SUBMENU

3-3. SPLIT PATTERN

SPLIT PATTERN																
PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
COORD PHASES																

PHASE	1	2	3	4
SPLIT				
MODE				

PHASE	5	6	7	8
SPLIT				
MODE				

PHASE	9	10	11	12
SPLIT				
MODE				

PHASE	13	14	15	16
SPLIT				
MODE				

SPLIT PATTERN																
PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
COORD PHASES																

PHASE	1	2	3	4
SPLIT				
MODE				

PHASE	5	6	7	8
SPLIT				
MODE				

PHASE	9	10	11	12
SPLIT				
MODE				

PHASE	13	14	15	16
SPLIT				
MODE				

SPLIT PATTERN																
PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
COORD PHASES																

PHASE	1	2	3	4
SPLIT				
MODE				

PHASE	5	6	7	8
SPLIT				
MODE				

PHASE	9	10	11	12
SPLIT				
MODE				

PHASE	13	14	15	16
SPLIT				
MODE				

SPLIT PATTERN																
PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
COORD PHASES																

PHASE	1	2	3	4
SPLIT				
MODE				

PHASE	5	6	7	8
SPLIT				
MODE				

PHASE	9	10	11	12
SPLIT				
MODE				

PHASE	13	14	15	16
SPLIT				
MODE				

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By:

T.S. No.: 4151 Date Implemented: By:

PAGE NOT USED

PREEMPT SUBMENU

4-1. PREEMPTOR

PREEMPT PLAN			
ENABLE		DET-LOCK	
PREEMPT OVERRIDE		INTERLOCK ENABLE	
DELAY TIME (SECONDS)		INHIBIT TIME (SECONDS)	
EXTEND INPUT (SECONDS)		MAX PRESENCE (SECONDS)	
DURATION TIME (SECONDS)		TRACK CLEAR RESERVICE	
PED DARK		RESERVICE TIME	
AUTO FLASH HAS PRIORITY		YELLOW CLEAR GOES GRN	
TERMINATE OVLPS ASAP		PC THRU YELLOW	

RING	1	2	3	4
FREE DURING PREEMPTION				

	WALK	PC	GREEN	YELLOW	RED
ENTRANCE TIMES					
TRACK CLEARANCE TIMES					
MIN DWELL - CYCLE GREEN / EXIT YELLOW / RED					

DWELL FLASH		FLASH EXIT COLOR	

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
TRACK CLEAR PHASE																
DWELL PHASE																
DWELL PED																
CYCLING PHASE																
CYCLING PED																
EXIT PHASE																
EXIT CALLS																
SPECIAL FUNCTION																

PREEMPTION TO COORD		EXIT TIMING PLAN	
LINKED PREEMPTOR			

---PREEMPT ACTIVE OUTPUTS---			
PREEMPT ACTIVE OUTPUT		PREEMPT ACTIVE OUTPUT IN DWELL	
OTHER PRIORITY PREEMPT OUTPUT		NON-PRIORITY PREEMPT OUTPUT	

OVERLAP	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
TRACK CLEAR																
DWELL																
CYCLING																
DISABLE TRAIL OVLP																

PREEMPT PLAN			
ENABLE		DET-LOCK	
PREEMPT OVERRIDE		INTERLOCK ENABLE	
DELAY TIME (SECONDS)		INHIBIT TIME (SECONDS)	
EXTEND INPUT (SECONDS)		MAX PRESENCE (SECONDS)	
DURATION TIME (SECONDS)		TRACK CLEAR RESERVICE	
PED DARK		RESERVICE TIME	
AUTO FLASH HAS PRIORITY		YELLOW CLEAR GOES GRN	
TERMINATE OVLPS ASAP		PC THRU YELLOW	

RING	1	2	3	4
FREE DURING PREEMPTION				

	WALK	PC	GREEN	YELLOW	RED
ENTRANCE TIMES					
TRACK CLEARANCE TIMES					
MIN DWELL - CYCLE GREEN / EXIT YELLOW / RED					

DWELL FLASH		FLASH EXIT COLOR	

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
TRACK CLEAR PHASE																
DWELL PHASE																
DWELL PED																
CYCLING PHASE																
CYCLING PED																
EXIT PHASE																
EXIT CALLS																
SPECIAL FUNCTION																

PREEMPTION TO COORD		EXIT TIMING PLAN	
LINKED PREEMPTOR			

---PREEMPT ACTIVE OUTPUTS---			
PREEMPT ACTIVE OUTPUT		PREEMPT ACTIVE OUTPUT IN DWELL	
OTHER PRIORITY PREEMPT OUTPUT		NON-PRIORITY PREEMPT OUTPUT	

OVERLAP	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
TRACK CLEAR																
DWELL																
CYCLING																
DISABLE TRAIL OVLP																

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By:

T.S No.: 4151 Date Implemented: By:

PAGE NOT USED

PREEMPT SUBMENU

4-2. ENABLE PREEMPT FILTERING / TSP / SCP

FILTERED INPUT	SOLID	PULSING
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

4-3. TSP / SCP PLAN

TSP / SCP PLAN															
ENABLE															
DET LOCK															
DE TIME															
RESERVICE CYCS															
PREEMPT ENABLES RESERVICE															
INHIBIT DELAY WHEN IN TSP / SCP PHASES															
MAX PRESENCE															
TSP / SCP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PHASES																
PHS OMIT																
PED OMIT																

TSP / SCP PLAN															
ENABLE															
DET LOCK															
DELAY TIME															
RESERVICE CYCS															
PREEMPT ENABLES RESERVICE															
INHIBIT DELAY WHEN IN TSP / SCP PHASES															
MAX PRESENCE															
TSP / SCP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PHASES																
PHS OMIT																
PE. MIT																

Add addition sheets for more TSP / SCP Plans

4-4. TSP / SCP SPLIT PATTERN

TSP / SCP SPLIT PATTERN				
PHASE	1	2	3	4
TSP / SCP MAX RDTN				
TSP MIN				
SCP MAX EXT				
PHASE	5	6	7	8
TSP / SCP MAX RDTN				
TSP MIN				
SCP MAX EXT				
PHASE	9	10	11	12
TSP / SCP MAX RDTN				
TSP MIN				
SCP MAX EXT				
PHASE	13	14	15	16
TSP / SCP MAX RDTN				
TSP MIN				
SCP MAX EXT				

TSP / SCP SPLIT PATTERN				
PHASE	1	2	3	4
TSP / SCP MAX RDTN				
TSP MIN				
SCP MAX EXT				
PHASE	5	6	7	8
TSP / SCP MAX RDTN				
TSP MIN				
SCP MAX EXT				
PHASE	9	10	11	12
TSP / SCP MAX RDTN				
TSP MIN				
SCP MAX EXT				
PHASE	13	14	15	16
TSP / SCP MAX RDTN				
TSP MIN				
SCP MAX EXT				

Add addition sheets for more TSP / SCP Split Patterns

4-5. PREEMPT TSP / SCP OPTIONS

TSP OR SCP		
FREE DEFAULT PTN		

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By:

T.S. No.: 4151 Date Implemented: By:

TIME BASE SUBMENU

5-1. CLOCK / CALENDAR DATA

DATE SET		TIME SET	
MANUAL ACTION PLAN	0		
SYNC REFERENCE TIME	0:00		
SYNC REFERENCE	REFERENCE TIME		
DAYLIGHT SAVINGS	USDLS		
TIME TO RESET INPUT SET TIME			
STANDARD TIME FROM GMT	-7		

5-2. SCHEDULE

SCHEDULE NUMBER										
DAY PLAN NUMBER										
MONTH	JAN	FED	MAR	APR	MAY	JUN				
	JUL	AUG	SEP	OCT	NOV	DEC				
DAY OF WEEK (DOW)	SUN	MON	TUE	WED	THU	FRI	SAT			
DAY OF MONTH (DOM)	1	2	3	4	5	6	7	8	9	10
	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26	27	28	29	30
	31									

SCHEDULE NUMBER										
DAY PLAN NUMBER										
MONTH	JAN	FED	MAR	APR	MAY	JUN				
	JUL	AUG	SEP	OCT	NOV	DEC				
DAY OF WEEK (DOW)	SUN	MON	TUE	WED	THU	FRI	SAT			
DAY OF MONTH (DOM)	1	2	3	4	5	6	7	8	9	
	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26	27	28	29	30
	31									

SCHEDULE NUMBER										
DAY PLAN NUMBER										
MONTH	JAN	FED	MAR	APR	MAY	JUN				
	JUL	AUG	SEP	OCT	NOV	DEC				
DAY OF WEEK (DOW)	SUN	MON	TUE	WED	THU	FRI	SAT			
DAY OF MONTH (DOM)	1	2	3	4	5	6	7	8	9	10
	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26	27	28	29	30
	31									

SCHEDULE NUMBER										
DAY PLAN NUMBER										
MONTH	JAN	FED	MAR	APR	MAY	JUN				
	JUL	AUG	SEP	OCT	NOV	DEC				
DAY OF WEEK (DOW)	SUN	MON	TUE	WED	THU	FRI	SAT			
DAY OF MONTH (DOM)	1	2	3	4	5	6	7	8	9	10
	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26	27	28	29	
	31									

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By:

T.S. No.: 4151 Date Implemented: By:

PAGE NOT USED

TIME BASE SUBMENU

5-3. DAY PLAN

DAY PLAN		
EVENT	ACTION PLAN	START TIME
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
47		
48		
49		
50		

DAY PLAN		
EVENT	ACTION PLAN	START TIME
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		

DAY PLAN		
EVENT	ACTION PLAN	START TIME
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By:

T.S. No.: 4151 Date Implemented: By:

PAGE NOT USED

TIME BASE SUBMENU

5-4. ACTION PLAN

ACTION PLAN			SYSTEM OVERRIDE	
PATTERN			DETECTOR LOG	
VEHICLE DETECTOR PLAN				
FLASH			VEH DETECTOR DIAG PLAN	
RED REST			PED DETECTOR DIAG PLAN	
CONTROLLER SEQUENCE			DIMMING ENABLE	
TIMING PLAN				

FUNCTION/PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PED RECALL																
WALK 2																
VEH EXT 2																
VEH RECALL																
MAX RECALL																
MAX 2																
MAX 3																
COND SERV INHIBIT																
OMIT																
SPECIAL FUNCTION									(1-8)							
AUX FUNCTION				(1-3)												
LP 1-10																
LP 11-20																
LP 21-30																
LP 31-40																
LP 41-50																
LP 51-60																
LP 61-70																
LP 71-80																
LP 81-90																
LP 91-100																

ACTION PLAN			SYSTEM OVERRIDE	
PATTERN			DETECTOR LOG	
VEHICLE DETECTOR PLAN				
FLASH			VEH DETECTOR DIAG PLAN	
RED REST			PED DETECTOR DIAG PLAN	
CONTROLLER SEQUENCE			DIMMING ENABLE	
TIMING PLAN				

FUNCTION/PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PED RECALL																
WALK 2																
VEH EXT 2																
VEH RECALL																
MAX RECALL																
MAX 2																
MAX 3																
COND SERV INHIBIT																
OMIT																
SPECIAL FUNCTION									(1-8)							
AUX FUNCTION				(1-3)												
LP 1-10																
LP 11-20																
LP 21-30																
LP 31-40																
LP 41-50																
LP 51-60																
LP 61-70																
LP 71-80																
LP 81-90																
LP 91-100																

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By: [illegible]

T. o.: 4151 Date Implemented: _____ By: _____

PAGE NOT USED

TIME BASE SUBMENU

5-5. EXCEPTION DAY PROGRAM

EXCEPTION DAY	FLOAT / FIXED	MON / MON	DOW / DOM	WOM / YEAR	DAY PLAN
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By:

T.S. No.: 4151 Date Implemented: By:

DETECTOR SUBMENU

6-1. VEHICLE DETECTOR TYPE / TS1 DETECTOR SELECT

DETECT NUMBER	DETECT TYPE	TS1 DETECT
1	0	
2	0	
3	5	
4	5	
5	5	
6	0	
7	0	
8	0	
9	5	
10	5	
11	5	
12	0	
13	0	
14	5	
15	5	
16	5	
17	0	
18	0	
19	0	
20	5	
21	5	
22	5	
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		

DETECT NUMBER	DETECT TYPE	TS1 DETECT
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By:

T.S. No.: 4151 Date Implemented: 1-6-09 By: WB

DETECTOR SUBMENU

6-2. VEHICLE DETECTOR SETUP

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	1		
ASSIGNED PHASE	1	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	NO
QUEUE LIMIT	0	NTCIP OCCUPANCY	NO
FAIL TIME	0	NTCIP VOLUME	NO
FAIL CALL DELAY	0	ECPI LOG	NO
YELLOW LOCK	NO	RED LOCK	NO

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED	X															

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	3		
ASSIGNED PHASE	2	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	1.0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	YES
QUEUE LIMIT	25	NTCIP OCCUPANCY	NO
FAIL TIME	0	NTCIP VOLUME	NO
FAIL CALL DELAY	0	ECPI LOG	NO
YELLOW LOCK	NO	RED LOCK	NO

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED		X														

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	2		
ASSIGNED PHASE	2	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	NO
QUEUE LIMIT	0	NTCIP OCCUPANCY	NO
FAIL TIME	0	NTCIP VOLUME	NO
F ALL DELAY	0	ECPI LOG	NO
YELLOW LOCK	YES	RED LOCK	YES

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED		X														

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	5		
ASSIGNED PHASE	3	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	NO
QUEUE LIMIT	0	NTCIP OCCUPANCY	NO
FAIL TIME	0	NTCIP VOLUME	NO
FAIL CALL DELAY	0	ECPI LOG	NO
YELLOW LOCK	NO	RED LOCK	NO

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED			X													

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	3		
ASSIGNED PHASE	2	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	1.0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	YES
QUEUE LIMIT	25	NTCIP OCCUPANCY	NO
FAIL TIME	0	NTCIP VOLUME	NO
FAIL CALL DELAY	0	ECPI LOG	NO
YELLOW LOCK	NO	RED LOCK	NO

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED		X														

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	6		
ASSIGNED PHASE	4	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	NO
QUEUE LIMIT	0	NTCIP OCCUPANCY	NO
FAIL TIME	0	NTCIP VOLUME	NO
FAIL CALL DELAY	0	ECPI LOG	NO
YELLOW LOCK	YES	RED LOCK	YES

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED				X												

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	3		
ASSIGNED PHASE	2	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	1.0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	YES
Q LIMIT	25	NTCIP OCCUPANCY	NO
FAIL TIME	0	NTCIP VOLUME	NO
FAIL CALL DELAY	0	ECPI LOG	NO
YELLOW LOCK	NO	RED LOCK	NO

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED		X														

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	7		
ASSIGNED PHASE	4	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	NO
QUEUE LIMIT	0	NTCIP OCCUPANCY	NO
FAIL TIME	0	NTCIP VOLUME	NO
FAIL CALL DELAY	0	ECPI LOG	NO
YELLOW LOCK	YES	RED LOCK	YES

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED				X												

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By:

T.S. No.: 4151 Date Implemented: 1-6-09 By:

DETECTOR SUBMENU

6-2. VEHICLE DETECTOR SETUP (CONTINUED)

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	8		
ASSIGNED PHASE	4	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	1.0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	YES
QUEUE LIMIT	25	NTCIP OCCUPANCY	NO
FAIL TIME	0	NTCIP VOLUME	NO
FAIL CALL DELAY	0	ECPI LOG	NO
YELLOW LOCK	NO	RED LOCK	NO

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED				X												

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	10		
ASSIGNED PHASE	6	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	NO
QUEUE LIMIT	0	NTCIP OCCUPANCY	NO
FAIL TIME	0	NTCIP VOLUME	NO
FAIL CALL DELAY	0	ECPI LOG	NO
YELLOW LOCK	YES	RED LOCK	YES

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED						X										

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	8		
ASSIGNED PHASE	4	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	1.0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	YES
QUEUE LIMIT	25	NTCIP OCCUPANCY	NO
FAIL TIME	0	NTCIP VOLUME	NO
FAIL CALL DELAY	0	ECPI LOG	NO
YELLOW LOCK	NO	RED LOCK	NO

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED				X												

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	11		
ASSIGNED PHASE	6	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	1.0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	YES
QUEUE LIMIT	25	NTCIP OCCUPANCY	NO
FAIL TIME	0	NTCIP VOLUME	NO
FAIL CALL DELAY	0	ECPI LOG	NC
YELLOW LOCK	NO	RED LOCK	NO

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED						X										

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	8		
ASSIGNED PHASE	4	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	1.0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	YES
QUEUE LIMIT	25	NTCIP OCCUPANCY	NO
FAIL TIME	0	NTCIP VOLUME	NO
FAIL CALL DELAY	0	ECPI LOG	NO
YELLOW LOCK	NO	RED LOCK	NO

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED				X												

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	11		
ASSIGNED PHASE	6	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	1.0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	YES
QUEUE LIMIT	25	NTCIP OCCUPANCY	NO
FAIL TIME	0	NTCIP VOLUME	NO
FAIL CALL DELAY	0	ECPI LOG	NO
YELLOW LOCK	NO	RED LOCK	NO

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED						X										

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	9		
ASSIGNED PHASE	5	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	NO
QUEUE LIMIT	0	NTCIP OCCUPANCY	NO
FAIL TIME	0	NTCIP VOLUME	NO
FAIL CALL DELAY	0	ECPI LOG	NO
YELLOW LOCK	NO	RED LOCK	NO

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED					X											

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	11		
ASSIGNED PHASE	6	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	1.0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	YES
QUEUE LIMIT	25	NTCIP OCCUPANCY	NC
FAIL TIME	0	NTCIP VOLUME	NO
FAIL CALL DELAY	0	ECPI LOG	NO
YELLOW LOCK	NO	RED LOCK	NO

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED						X										

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By:

T.S. No.: 4151 Date Implemented: 1-6-09 By:

DETECTOR SUBMENU

6-2. VEHICLE DETECTOR SETUP (CONTINUED)

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	13		
ASSIGNED PHASE	7	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	NO
QUEUE LIMIT	0	NTCIP OCCUPANCY	NO
FAIL TIME	0	NTCIP VOLUME	NO
FAIL CALL DELAY	0	ECPI LOG	NO
YELLOW LOCK	NO	RED LOCK	NO

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED							X									

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	14		
ASSIGNED PHASE	8	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	NO
QUEUE LIMIT	0	NTCIP OCCUPANCY	NO
FAIL TIME	0	NTCIP VOLUME	NO
FAIL CALL DELAY	0	ECPI LOG	NO
YELLOW LOCK	YES	RED LOCK	YES

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED								X								

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	15		
ASSIGNED PHASE	8	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	NO
QUEUE LIMIT	0	NTCIP OCCUPANCY	NO
FAIL TIME	0	NTCIP VOLUME	NO
FAIL CALL DELAY	0	ECPI LOG	NO
YELLOW LOCK	YES	RED LOCK	YES

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED								X								

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	16		
ASSIGNED PHASE	8	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	1.0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	YES
QUEUE LIMIT	25	NTCIP OCCUPANCY	NO
FAIL TIME	0	NTCIP VOLUME	NO
FAIL CALL DELAY	0	ECPI LOG	NO
YELLOW LOCK	NO	RED LOCK	NO

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED								X								

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	16		
ASSIGNED PHASE	8	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	1.0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	YES
QUEUE LIMIT	25	NTCIP OCCUPANCY	NO
FAIL TIME	0	NTCIP VOLUME	NO
FAIL CALL DELAY	0	ECPI LOG	NO
YELLOW LOCK	NO	RED LOCK	NO

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED								X								

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	23		
ASSIGNED PHASE		ADDED OPTION	
SWITCH PHASE		CALL OPTION	
EXTEND TIME		PASSAGE OPTION	
DELAY TIME		QUEUE OPTION	
QUEUE LIMIT		NTCIP OCCUPANCY	
FAIL TIME		NTCIP VOLUME	
FAIL CALL DELAY		ECPI LOG	
YELLOW LOCK		RED LOCK	

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED																

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	16		
ASSIGNED PHASE	8	ADDED OPTION	YES
SWITCH PHASE	0	CALL OPTION	YES
EXTEND TIME	1.0	PASSAGE OPTION	YES
DELAY TIME	0	QUEUE OPTION	YES
QUEUE LIMIT	25	NTCIP OCCUPANCY	NO
FAIL TIME	0	NTCIP VOLUME	NO
FAIL CALL DELAY	0	ECPI LOG	NO
YELLOW LOCK	NO	RED LOCK	NO

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED								X								

VEHICLE PLAN NUMBER	1		
DETECTOR NUMBER	24		
ASSIGNED PHASE		ADDED OPTION	
SWITCH PHASE		CALL OPTION	
EXTEND TIME		PASSAGE OPTION	
DELAY TIME		QUEUE OPTION	
QUEUE LIMIT		NTCIP OCCUPANCY	
FAIL TIME		NTCIP VOLUME	
FAIL CALL DELAY		ECPI LOG	
YELLOW LOCK		RED LOCK	

PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CALLED																

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By: [illegible]

T.S. No.: 4151 Date Implemented: 1-6-09 By: [illegible]

DETECTOR SUBMENU

6-3. RESERVED FOR FUTURE USE

6-4. PED AND SYSTEM DETECTOR OPTIONS

LOCAL	---PHASE PED DETECTOR---							
PED DET	1	2	3	4	5	6	7	8
NUMBER		2		4		6		8
PED DET	9	10	11	12	13	14	15	16
NUMBER								
LOCAL	---LOCAL SYSTEM DETECTOR---							
SYSTEM DET	1	2	3	4	5	6	7	8
NUMBER								
SYSTEM DET	9	10	11	12	13	14	15	16
NUMBER								

6-5. LOG - SPEED DETECTOR SETUP

NTCIP LOG PERIOD	
ECPI LOG PERIOD	
LENGTH UNIT	

SPEED DET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
LOCAL DET																
ONE / TWO DET																
VEHICLE LENGTH																
TRAP LENGTH																
ENABLE LOG																

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By: [illegible]

T.): 4151 Date Implemented: _____ By: _____

PAGE NOT USED

DETECTOR SUBMENU

6-6. VEHICLE DETECTOR DIAGNOSTICS

VEHICLE DIAGNOSTIC PLAN NUMBER									
DETECTOR	COUNTS	ACT	PRES	MULTIPLIER	DETECTOR	COUNTS	ACT	PRES	MULTIPLIER
1					33				
2					34				
3					35				
4					36				
5					37				
6					38				
7					39				
8					40				
9					41				
10					42				
11					43				
12					44				
`3					45				
14					46				
15					47				
16					48				
17					49				
18					50				
19					51				
20					52				
21					53				
22					54				
23					55				
24					56				
25					57				
26					58				
27					59				
28					60				
29					61				
30					62				
31					63				
`2					64				

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By:

T.S. No.: 4151 Date Implemented: By:

PAGE NOT USED

DETECTOR SUBMENU

6-7. PEDESTRIAN DETECTOR DIAGNOSTICS

PEDESTRIAN DIAGNOSTIC PLAN NUMBER				
DETECTOR	COUNTS	ACT	PRES	MULTIPLIER
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				

PEDESTRIAN DIAGNOSTIC PLAN NUMBER				
DETECTOR	COUNTS	ACT	PRES	MULTIPLIER
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				

PEDESTRIAN DIAGNOSTIC PLAN NUMBER				
DETECTOR	COUNTS	ACT	PRES	MULTIPLIER
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				

PEDESTRIAN DIAGNOSTIC PLAN NUMBER				
DETECTOR	COUNTS	ACT	PRES	MULTIPLIER
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
TRAFFIC SIGNAL TIMING

ASC/3

PROGRAM REFERENCE CARD

INTERSECTION: CENTRAL AVE. @ ROSECRANS AVE. Date Prepared: 5-5-08 PD By: [illegible]

T.S. #: 4151 Date Implemented: 1-6-09 By: WJ

DETECTOR ASSIGNMENT SUMMARY WORKSHEET

(INFORMATION ONLY WORKSHEET)

APPR	LANE(S)	DESCRIPTION	DESIGNATION	DETECTOR NUMBER	DETECTOR TYPE	ASSIGNED PHASE(S)	DELAY TIME	EXTEND TIME	QUEUE LIMIT TIME
E	LT	H - 6'X50' video	1-E-Ø1	1	0	1			
W	1,2,3	A - 3 - 6'X6'	1-W-Ø2	2	0	2			
W	1	Q - 6'X50' video	4-W-Ø2	3	5	2		1.0	25
W	2	Q - 6'X50' video	5-W-Ø2	~~3~~ 3	5	2		1.0	25
W	3	Q - 6'X50' video	6-W-Ø2	~~4~~ 3	5	2		1.0	25
S	LT	H - 3 - 6'X6'	1-S-Ø3	~~5~~ 5	0	3			
N	1	A - 6'X6'	1-N-Ø4	~~6~~ 6	0	4			
N	2	A - 6'X6'	2-N-Ø4	~~7~~ 7	0	4			
N	1	Q - 4 - 6'X6'	3-N-Ø4	~~8~~ 8	5	4		1.0	25
N	2	Q - 4 - 6'X6'	4-N-Ø4	~~9~~ 8	5	4		1.0	25
N	RT	Q - 4 - 6'X6'	5-N-Ø4	~~10~~ 8	5	4		1.0	25
W	LT	H - 6'X50' video	1-W-Ø5	~~11~~ 9	0	5			
E	1,2	A - 2 - 6'X6'	1-E-Ø6	~~12~~ 10	0	6			
E	1	Q - 6'X50' video	3-E-Ø6	~~13~~ 11	5	6		1.0	25
E	2	Q - 6'X50' video	4-E-Ø6	~~14~~ 11	5	6		1.0	25
E	3	Q - 6'X50' video	5-E-Ø6	~~15~~ 11	5	6		1.0	25
N	LT	H - 3 - 6'X6'	1-N-Ø7	~~16~~ 13	0	7			
S	1	A - 6'X6'	1-S-Ø8	~~17~~ 14	0	8			
S	2	A - 6'X6'	2-S-Ø8	~~18~~ 15	0	8			
S	1	Q - 4 - 6'X6'	3-S-Ø8	~~19~~ 16	5	8		1.0	25
S	2	Q - 4 - 6'X6'	4-S-Ø8	~~20~~ 16	5	8		1.0	25
S	3	Q - 4 - 6'X6'	5-S-Ø8	~~21~~ 16	5	8		1.0	25
				23					
				24					
				25					
				26					
				27					
				28					
				29					
				30					
				31					
				32					

COMMENTS:

APPENDIX H

TRAFFIC SIGNAL WARRANTS WORKSHEETS

Figure 4C-101 (CA). Traffic Signal Warrants Worksheet (Sheet 1 of 5)

COUNT DATE 11/16/2021

DIST ____ CO ____ RTE ____ PM ____

CALC JAS DATE 9/14/2022

CHK ____ DATE ____

Major St: Stanford Avenue — Critical Approach Speed 35 mph

Minor St: Lennon Street — Critical Approach Speed 25 mph

Speed limit or critical speed on major street traffic > 40 mph..... ☐
or
In built up area of isolated community of < 10,000 population..... ☐
} RURAL (R)

☒ URBAN (U)

WARRANT 1 - Eight Hour Vehicular Volume SATISFIED YES ☐ NO ☐
(Condition A or Condition B or combination of A and B must be satisfied)

Condition A - Minimum Vehicle Volume 100% SATISFIED YES ☐ NO ☐
80% SATISFIED YES ☐ NO ☐

	MINIMUM REQUIREMENTS (80% SHOWN IN BRACKETS)			
	U	R	U	R
APPROACH LANES	1		2 or More	
Both Approaches Major Street	500 (400)	350 (280)	600 (480)	420 (336)
Highest Approach Minor Street	150 (120)	105 (84)	200 (160)	140 (112)

Hour

Condition B - Interruption of Continuous Traffic 100% SATISFIED YES ☐ NO ☐
80% SATISFIED YES ☐ NO ☐

	MINIMUM REQUIREMENTS (80% SHOWN IN BRACKETS)			
	U	R	U	R
APPROACH LANES	1		2 or More	
Both Approaches Major Street	750 (600)	525 (420)	900 (720)	630 (504)
Highest Approach Minor Street	75 (60)	53 (42)	100 (80)	70 (56)

Hour

Combination of Conditions A & B SATISFIED YES ☐ NO ☐

REQUIREMENT	CONDITION	✓	FULFILLED
TWO CONDITIONS SATISFIED 80%	A. MINIMUM VEHICULAR VOLUME		Yes ☐ No ☐
	AND, B. INTERRUPTION OF CONTINUOUS TRAFFIC		
AND, AN ADEQUATE TRIAL OF OTHER ALTERNATIVES THAT COULD CAUSE LESS DELAY AND INCONVENIENCE TO TRAFFIC HAS FAILED TO SOLVE THE TRAFFIC PROBLEMS			Yes ☐ No ☐

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-101 (CA). Traffic Signal Warrants Worksheet (Sheet 2 of 5)

WARRANT 2 - Four Hour Vehicular Volume **SATISFIED* YES ☐ NO ☒**

Record hourly vehicular volumes for any four hours of an average day.

APPROACH LANES	One	2 or More	A 8AM	B 4PM	C 5PM	D 7AM	Hour
Both Approaches - Major Street	x		265	212	216	147	
Higher Approach - Minor Street	x		32	30	15	26	

*All plotted points fall above the applicable curve in Figure 4C-1. (URBAN AREAS)	Yes ☐ No ☒
OR, All plotted points fall above the applicable curve in Figure 4C-2. (RURAL AREAS)	Yes ☐ No ☐

WARRANT 3 - Peak Hour **SATISFIED YES ☐ NO ☒**
(Part A or Part B must be satisfied)

PART A **SATISFIED YES ☐ NO ☒**

(All parts 1, 2, and 3 below must be satisfied for the same one hour, for any four consecutive 15-minute periods)

1. The total delay experienced by traffic on one minor street approach (one direction only) controlled by a STOP sign equals or exceeds four vehicle-hours for a one-lane approach, or five vehicle-hours for a two-lane approach; AND	Yes ☐ No ☒
2. The volume on the same minor street approach (one direction only) equals or exceeds 100 vph for one moving lane of traffic or 150 vph for two moving lanes; AND	Yes ☐ No ☒
3. The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with four or more approaches or 650 vph for intersections with three approaches.	Yes ☐ No ☒

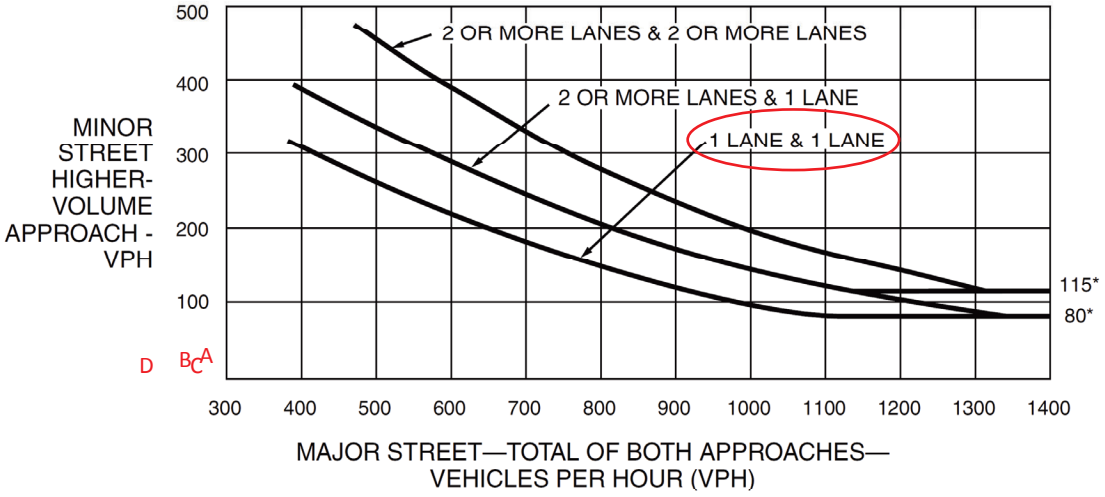
PART B **SATISFIED YES ☐ NO ☒**

APPROACH LANES	One	2 or More	8AM	Hour
Both Approaches - Major Street	x		265	
Higher Approach - Minor Street	X		32	

The plotted point falls above the applicable curve in Figure 4C-3. (URBAN AREAS)	Yes ☐ No ☒
OR, The plotted point falls above the applicable curve in Figure 4C-4. (RURAL AREAS)	Yes ☐ No ☐

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

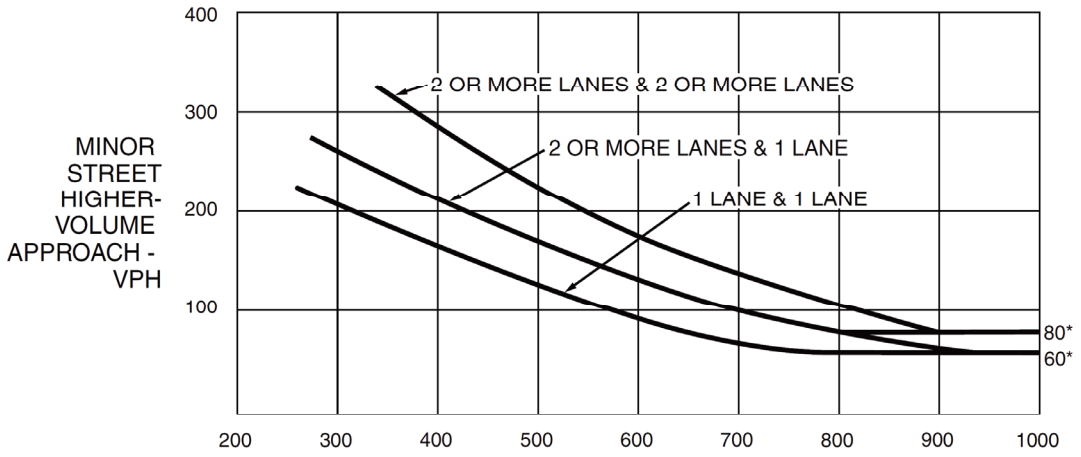
Figure 4C-1. Warrant 2, Four-Hour Vehicular Volume



*Note: 115 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 80 vph applies as the lower threshold volume for a minor-street approach with one lane.

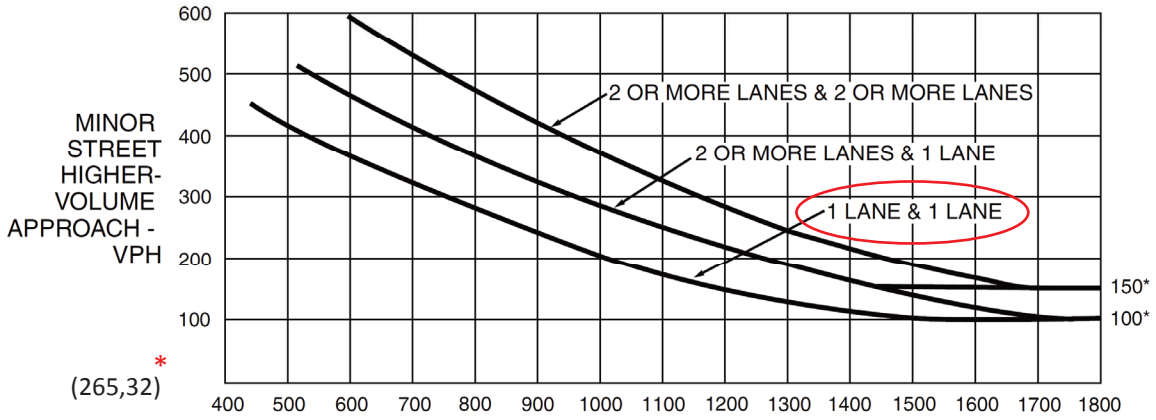
Figure 4C-2. Warrant 2, Four-Hour Vehicular Volume (70% Factor)

(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 40 MPH ON MAJOR STREET)



*Note: 80 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 60 vph applies as the lower threshold volume for a minor-street approach with one lane.

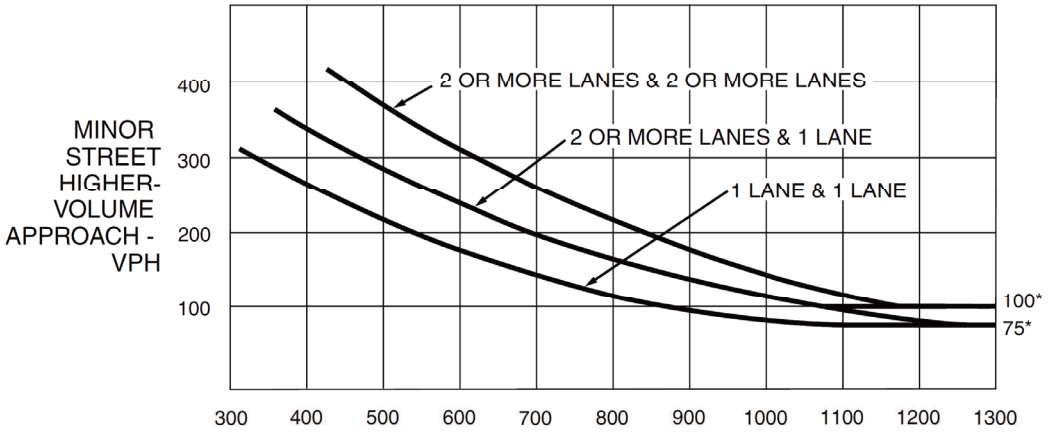
Figure 4C-3. Warrant 3, Peak Hour



*Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 40 MPH ON MAJOR STREET)



*Note: 100 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold volume for a minor-street approach with one lane.

Figure 4C-101 (CA). Traffic Signal Warrants Worksheet (Sheet 1 of 5)

COUNT DATE 11/16/2021

DIST _____ CO _____ RTE _____ PM _____

CALC JAS DATE 9/14/2022

CHK _____ DATE _____

Major St: Stanford Avenue — Critical Approach Speed 35 mph

Minor St: Lennon Street — Critical Approach Speed 25 mph

Speed limit or critical speed on major street traffic > 40 mph..... ☐
or
In built up area of isolated community of < 10,000 population..... ☐
} RURAL (R)

☒ URBAN (U)

WARRANT 1 - Eight Hour Vehicular Volume SATISFIED YES ☐ NO ☐
(Condition A or Condition B or combination of A and B must be satisfied)

Condition A - Minimum Vehicle Volume 100% SATISFIED YES ☐ NO ☐
80% SATISFIED YES ☐ NO ☐

	MINIMUM REQUIREMENTS (80% SHOWN IN BRACKETS)				
	U	R	U	R	Hour
APPROACH LANES	1		2 or More		
Both Approaches Major Street	500 (400)	350 (280)	600 (480)	420 (336)	
Highest Approach Minor Street	150 (120)	105 (84)	200 (160)	140 (112)	

Condition B - Interruption of Continuous Traffic 100% SATISFIED YES ☐ NO ☐
80% SATISFIED YES ☐ NO ☐

	MINIMUM REQUIREMENTS (80% SHOWN IN BRACKETS)				
	U	R	U	R	Hour
APPROACH LANES	1		2 or More		
Both Approaches Major Street	750 (600)	525 (420)	900 (720)	630 (504)	
Highest Approach Minor Street	75 (60)	53 (42)	100 (80)	70 (56)	

Combination of Conditions A & B SATISFIED YES ☐ NO ☐

REQUIREMENT	CONDITION	✓	FULFILLED
TWO CONDITIONS SATISFIED 80%	A. MINIMUM VEHICULAR VOLUME		Yes ☐ No ☐
	AND, B. INTERRUPTION OF CONTINUOUS TRAFFIC		
AND, AN ADEQUATE TRIAL OF OTHER ALTERNATIVES THAT COULD CAUSE LESS DELAY AND INCONVENIENCE TO TRAFFIC HAS FAILED TO SOLVE THE TRAFFIC PROBLEMS			Yes ☐ No ☐

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-101 (CA). Traffic Signal Warrants Worksheet (Sheet 2 of 5)

WARRANT 2 - Four Hour Vehicular Volume **SATISFIED* YES ☐ NO ☒**

Record hourly vehicular volumes for any four hours of an average day.

APPROACH LANES	One	2 or More	A 8AM	B 7AM	C 4PM	D 5PM	Hour
Both Approaches - Major Street	x		378	256	250	254	
Higher Approach - Minor Street	x		32	26	30	15	

*All plotted points fall above the applicable curve in Figure 4C-1. (URBAN AREAS)	Yes ☐ No ☒
OR, All plotted points fall above the applicable curve in Figure 4C-2. (RURAL AREAS)	Yes ☐ No ☐

WARRANT 3 - Peak Hour **SATISFIED YES ☐ NO ☒**
(Part A or Part B must be satisfied)

PART A **SATISFIED YES ☐ NO ☒**

(All parts 1, 2, and 3 below must be satisfied for the same one hour, for any four consecutive 15-minute periods)

1. The total delay experienced by traffic on one minor street approach (one direction only) controlled by a STOP sign equals or exceeds four vehicle-hours for a one-lane approach, or five vehicle-hours for a two-lane approach; AND	Yes ☐ No ☒
2. The volume on the same minor street approach (one direction only) equals or exceeds 100 vph for one moving lane of traffic or 150 vph for two moving lanes; AND	Yes ☐ No ☒
3. The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with four or more approaches or 650 vph for intersections with three approaches.	Yes ☐ No ☒

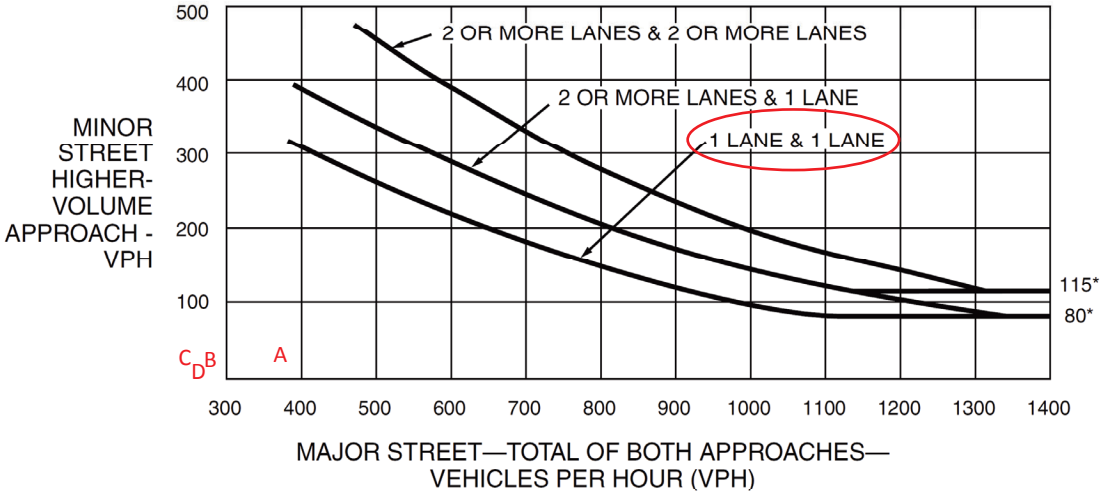
PART B **SATISFIED YES ☐ NO ☒**

APPROACH LANES	One	2 or More	8AM	Hour
Both Approaches - Major Street	x		378	
Higher Approach - Minor Street	X		32	

The plotted point falls above the applicable curve in Figure 4C-3. (URBAN AREAS)	Yes ☐ No ☒
OR, The plotted point falls above the applicable curve in Figure 4C-4. (RURAL AREAS)	Yes ☐ No ☐

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

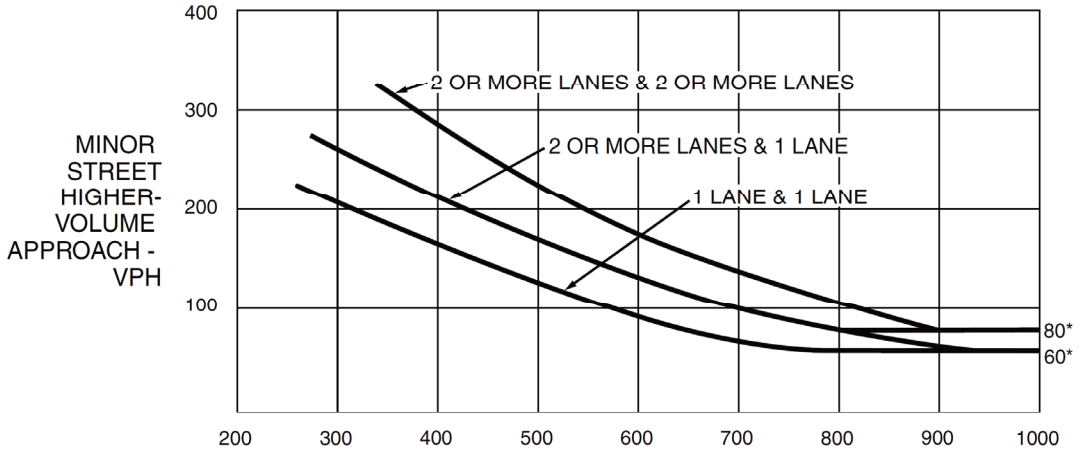
Figure 4C-1. Warrant 2, Four-Hour Vehicular Volume



*Note: 115 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 80 vph applies as the lower threshold volume for a minor-street approach with one lane.

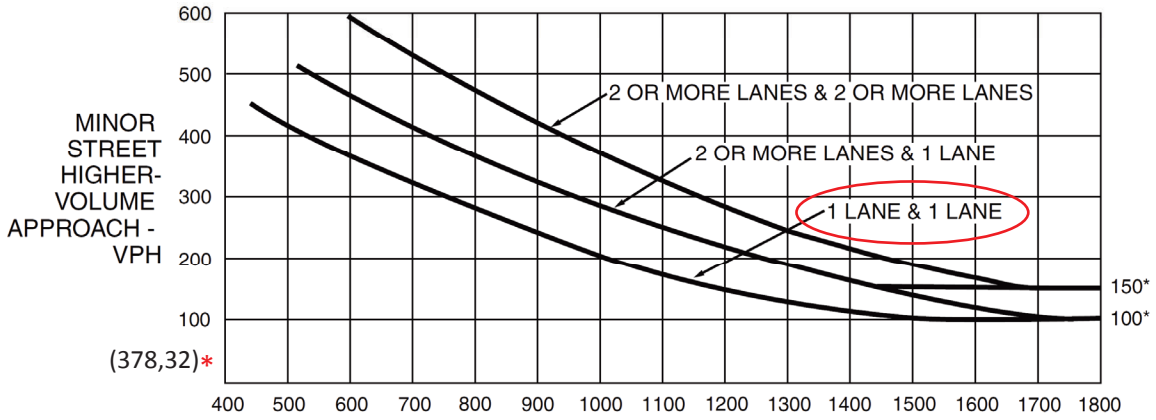
Figure 4C-2. Warrant 2, Four-Hour Vehicular Volume (70% Factor)

(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 40 MPH ON MAJOR STREET)



*Note: 80 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 60 vph applies as the lower threshold volume for a minor-street approach with one lane.

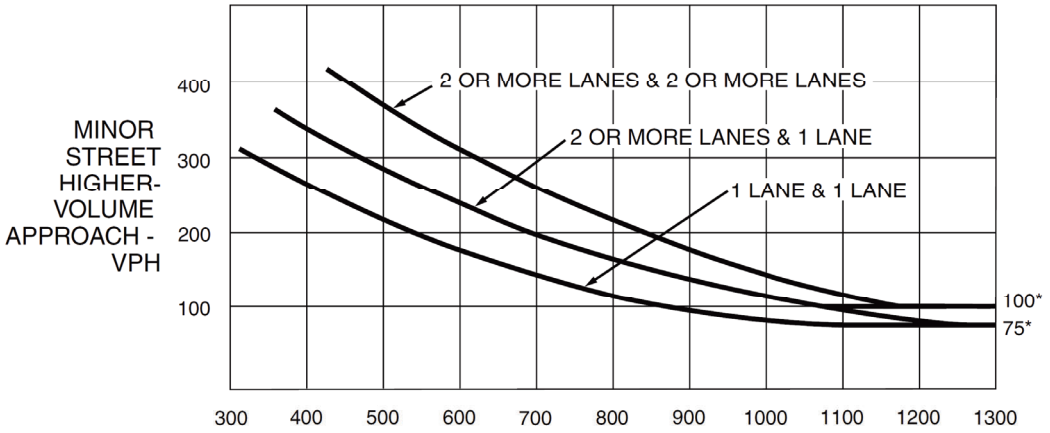
Figure 4C-3. Warrant 3, Peak Hour



*Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 40 MPH ON MAJOR STREET)



*Note: 100 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold volume for a minor-street approach with one lane.

Figure 4C-101 (CA). Traffic Signal Warrants Worksheet (Sheet 1 of 5)

COUNT DATE 11/16/2021

DIST ____ CO ____ RTE ____ PM ____

CALC JAS DATE 9/14/2022

CHK ____ DATE ____

Major St: Rosecrans Avenue — Critical Approach Speed 40 mph

Minor St: Cahita Avenue - Private Driveway — Critical Approach Speed 25 mph

Speed limit or critical speed on major street traffic > 40 mph..... ☐
or
In built up area of isolated community of < 10,000 population..... ☐
} RURAL (R)

☒ URBAN (U)

WARRANT 1 - Eight Hour Vehicular Volume **SATISFIED YES ☐ NO ☐**
(Condition A or Condition B or combination of A and B must be satisfied)

Condition A - Minimum Vehicle Volume **100% SATISFIED YES ☐ NO ☐**
80% SATISFIED YES ☐ NO ☐

	MINIMUM REQUIREMENTS (80% SHOWN IN BRACKETS)									
	U	R	U	R						Hour
APPROACH LANES	1		2 or More							
Both Approaches Major Street	500 (400)	350 (280)	600 (480)	420 (336)						
Highest Approach Minor Street	150 (120)	105 (84)	200 (160)	140 (112)						

Condition B - Interruption of Continuous Traffic **100% SATISFIED YES ☐ NO ☐**
80% SATISFIED YES ☐ NO ☐

	MINIMUM REQUIREMENTS (80% SHOWN IN BRACKETS)									
	U	R	U	R						Hour
APPROACH LANES	1		2 or More							
Both Approaches Major Street	750 (600)	525 (420)	900 (720)	630 (504)						
Highest Approach Minor Street	75 (60)	53 (42)	100 (80)	70 (56)						

Combination of Conditions A & B **SATISFIED YES ☐ NO ☐**

REQUIREMENT	CONDITION	✓	FULFILLED
TWO CONDITIONS SATISFIED 80%	A. MINIMUM VEHICULAR VOLUME		Yes ☐ No ☐
	AND, B. INTERRUPTION OF CONTINUOUS TRAFFIC		
AND, AN ADEQUATE TRIAL OF OTHER ALTERNATIVES THAT COULD CAUSE LESS DELAY AND INCONVENIENCE TO TRAFFIC HAS FAILED TO SOLVE THE TRAFFIC PROBLEMS			Yes ☐ No ☐

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-101 (CA). Traffic Signal Warrants Worksheet (Sheet 2 of 5)

WARRANT 2 - Four Hour Vehicular Volume **SATISFIED* YES ☐ NO ☒**

Record hourly vehicular volumes for any four hours of an average day.

APPROACH LANES	One	2 or More	A 5PM	B 4PM	C 8AM	D 7AM	Hour
Both Approaches - Major Street		x	2523	2371	1755	1747	
Higher Approach - Minor Street		x	53	34	70	70	

*All plotted points fall above the applicable curve in Figure 4C-1. (URBAN AREAS)	Yes ☐ No ☒
OR, All plotted points fall above the applicable curve in Figure 4C-2. (RURAL AREAS)	Yes ☐ No ☐

WARRANT 3 - Peak Hour **SATISFIED YES ☐ NO ☒**
(Part A or Part B must be satisfied)

PART A **SATISFIED YES ☐ NO ☒**

(All parts 1, 2, and 3 below must be satisfied for the same one hour, for any four consecutive 15-minute periods)

1. The total delay experienced by traffic on one minor street approach (one direction only) controlled by a STOP sign equals or exceeds four vehicle-hours for a one-lane approach, or five vehicle-hours for a two-lane approach; AND	Yes ☐ No ☒
2. The volume on the same minor street approach (one direction only) equals or exceeds 100 vph for one moving lane of traffic or 150 vph for two moving lanes; AND	Yes ☐ No ☒
3. The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with four or more approaches or 650 vph for intersections with three approaches.	Yes ☒ No ☐

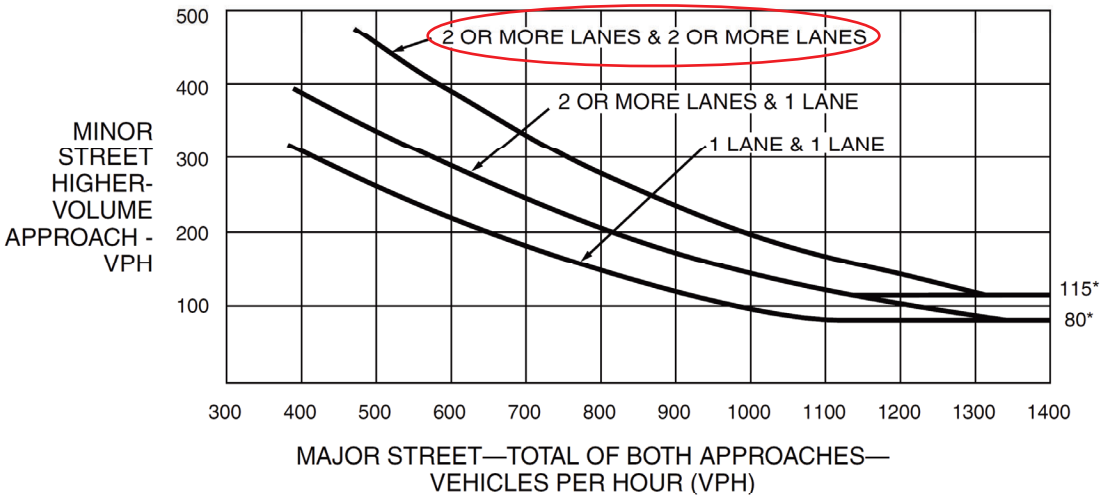
PART B **SATISFIED YES ☐ NO ☒**

APPROACH LANES	One	2 or More	5PM	Hour
Both Approaches - Major Street		x	2523	
Higher Approach - Minor Street		x	49	

The plotted point falls above the applicable curve in Figure 4C-3. (URBAN AREAS)	Yes ☐ No ☒
OR, The plotted point falls above the applicable curve in Figure 4C-4. (RURAL AREAS)	Yes ☐ No ☐

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-1. Warrant 2, Four-Hour Vehicular Volume



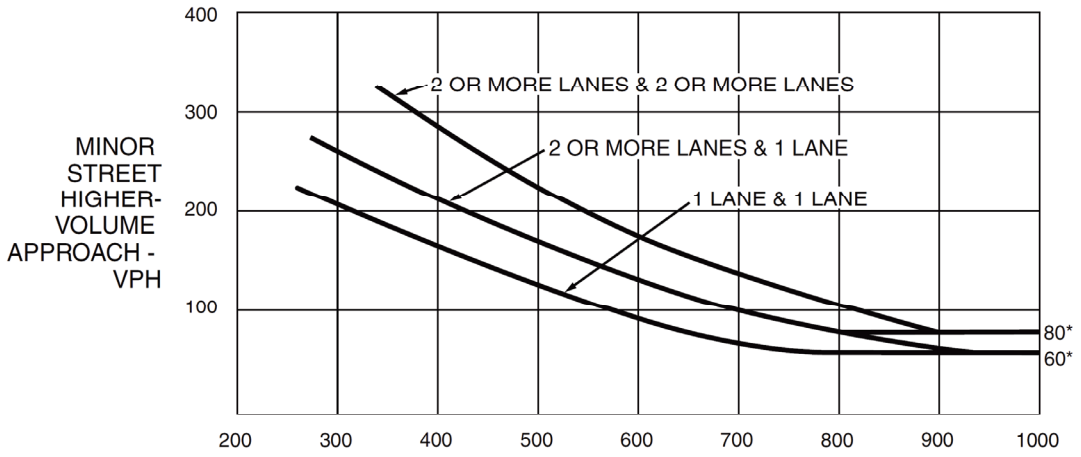
*Note: 115 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 80 vph applies as the lower threshold volume for a minor-street approach with one lane.

D C

B A

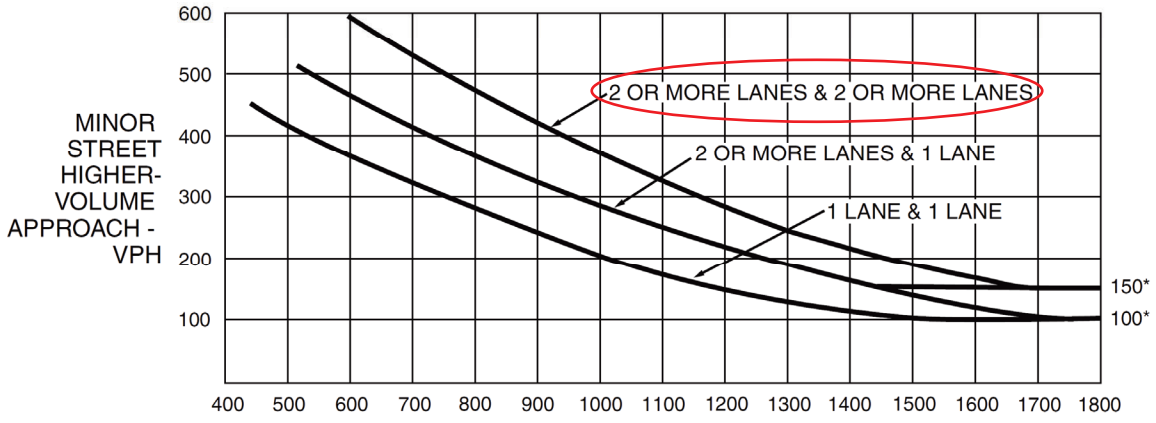
Figure 4C-2. Warrant 2, Four-Hour Vehicular Volume (70% Factor)

(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 40 MPH ON MAJOR STREET)



*Note: 80 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 60 vph applies as the lower threshold volume for a minor-street approach with one lane.

Figure 4C-3. Warrant 3, Peak Hour

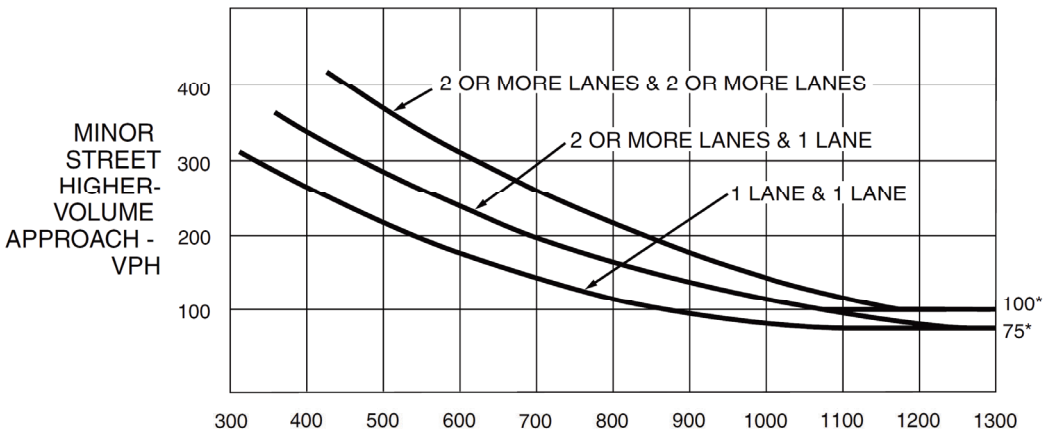


*Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

(2523,49) *

Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 40 MPH ON MAJOR STREET)



*Note: 100 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold volume for a minor-street approach with one lane.

Figure 4C-101 (CA). Traffic Signal Warrants Worksheet (Sheet 1 of 5)

DIST ____ CO ____ RTE ____ PM ____

COUNT DATE 11/16/2021
CALC JAS DATE 9/14/2022
CHK ____ DATE ____

Major St: ____
Minor St: Cahita Avenue - Private Driveway

Critical Approach Speed 40 mph
Critical Approach Speed 25 mph

Speed limit or critical speed on major street traffic > 40 mph..... ☐
or
In built up area of isolated community of < 10,000 population..... ☐
} RURAL (R)

☒ URBAN (U)

WARRANT 1 - Eight Hour Vehicular Volume SATISFIED YES ☐ NO ☐
(Condition A or Condition B or combination of A and B must be satisfied)

Condition A - Minimum Vehicle Volume 100% SATISFIED YES ☐ NO ☐
80% SATISFIED YES ☐ NO ☐

	MINIMUM REQUIREMENTS (80% SHOWN IN BRACKETS)									
	U	R	U	R						Hour
APPROACH LANES	1		2 or More							
Both Approaches Major Street	500 (400)	350 (280)	600 (480)	420 (336)						
Highest Approach Minor Street	150 (120)	105 (84)	200 (160)	140 (112)						

Condition B - Interruption of Continuous Traffic 100% SATISFIED YES ☐ NO ☐
80% SATISFIED YES ☐ NO ☐

	MINIMUM REQUIREMENTS (80% SHOWN IN BRACKETS)									
	U	R	U	R						Hour
APPROACH LANES	1		2 or More							
Both Approaches Major Street	750 (600)	525 (420)	900 (720)	630 (504)						
Highest Approach Minor Street	75 (60)	53 (42)	100 (80)	70 (56)						

Combination of Conditions A & B SATISFIED YES ☐ NO ☐

REQUIREMENT	CONDITION	✓	FULFILLED
TWO CONDITIONS SATISFIED 80%	A. MINIMUM VEHICULAR VOLUME		Yes ☐ No ☐
	AND, B. INTERRUPTION OF CONTINUOUS TRAFFIC		
AND, AN ADEQUATE TRIAL OF OTHER ALTERNATIVES THAT COULD CAUSE LESS DELAY AND INCONVENIENCE TO TRAFFIC HAS FAILED TO SOLVE THE TRAFFIC PROBLEMS			Yes ☐ No ☐

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-101 (CA). Traffic Signal Warrants Worksheet (Sheet 2 of 5)

WARRANT 2 - Four Hour Vehicular Volume **SATISFIED* YES ☐ NO ☒**

Rosecrans Avenue

Record hourly vehicular volumes for any four hours of an average day.

APPROACH LANES	One	2 or More	A 5PM	B 4PM	C 8AM	D 7AM	Hour
Both Approaches - Major Street		x	2625	2470	1979	1972	
Higher Approach - Minor Street		x	57	37	97	97	

*All plotted points fall above the applicable curve in Figure 4C-1. (URBAN AREAS)	Yes ☐ No ☒
OR, All plotted points fall above the applicable curve in Figure 4C-2. (RURAL AREAS)	Yes ☐ No ☐

WARRANT 3 - Peak Hour **SATISFIED YES ☐ NO ☒**
(Part A or Part B must be satisfied)

PART A **SATISFIED YES ☐ NO ☐**

(All parts 1, 2, and 3 below must be satisfied for the same one hour, for any four consecutive 15-minute periods)

1. The total delay experienced by traffic on one minor street approach (one direction only) controlled by a STOP sign equals or exceeds four vehicle-hours for a one-lane approach, or five vehicle-hours for a two-lane approach; AND	Yes ☒ No ☐
2. The volume on the same minor street approach (one direction only) equals or exceeds 100 vph for one moving lane of traffic or 150 vph for two moving lanes; AND	Yes ☐ No ☒
3. The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with four or more approaches or 650 vph for intersections with three approaches.	Yes ☒ No ☐

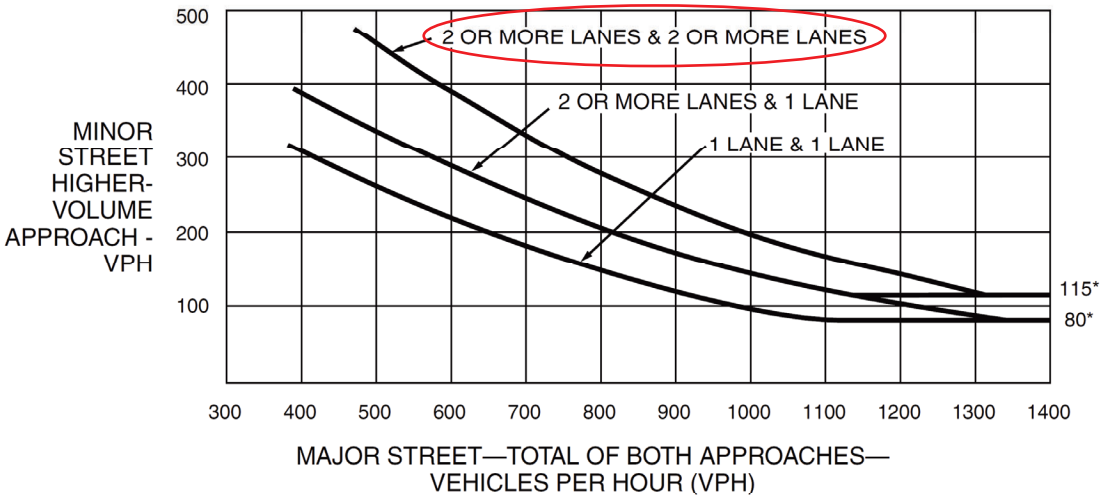
PART B **SATISFIED YES ☐ NO ☒**

APPROACH LANES	One	2 or More	5PM	Hour
Both Approaches - Major Street		x	2625	
Higher Approach - Minor Street		X	57	

The plotted point falls above the applicable curve in Figure 4C-3. (URBAN AREAS)	Yes ☐ No ☒
OR, The plotted point falls above the applicable curve in Figure 4C-4. (RURAL AREAS)	Yes ☐ No ☐

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-1. Warrant 2, Four-Hour Vehicular Volume



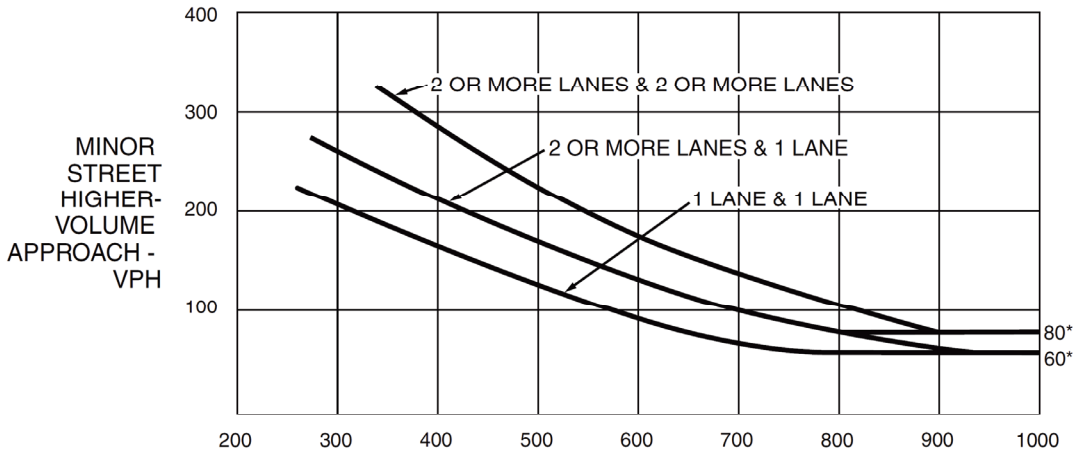
*Note: 115 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 80 vph applies as the lower threshold volume for a minor-street approach with one lane.

D C

B A

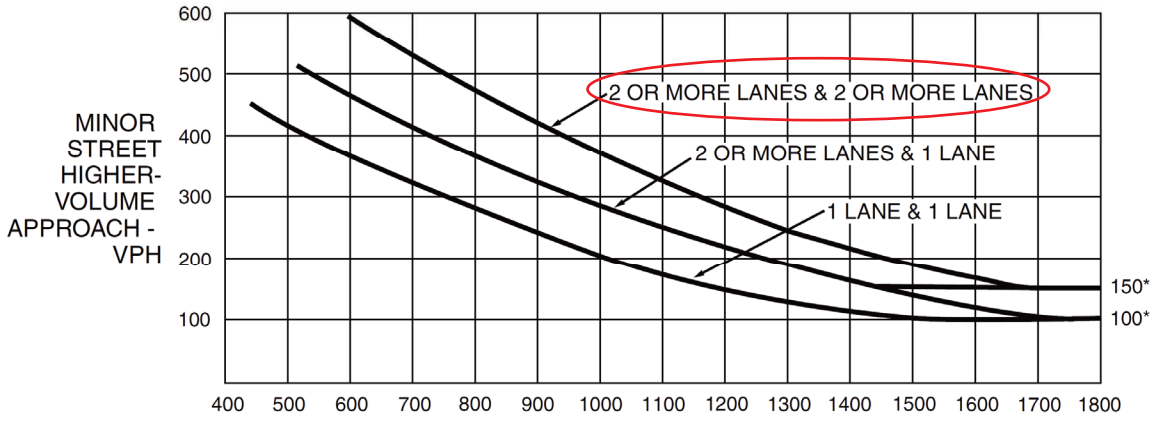
Figure 4C-2. Warrant 2, Four-Hour Vehicular Volume (70% Factor)

(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 40 MPH ON MAJOR STREET)



*Note: 80 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 60 vph applies as the lower threshold volume for a minor-street approach with one lane.

Figure 4C-3. Warrant 3, Peak Hour

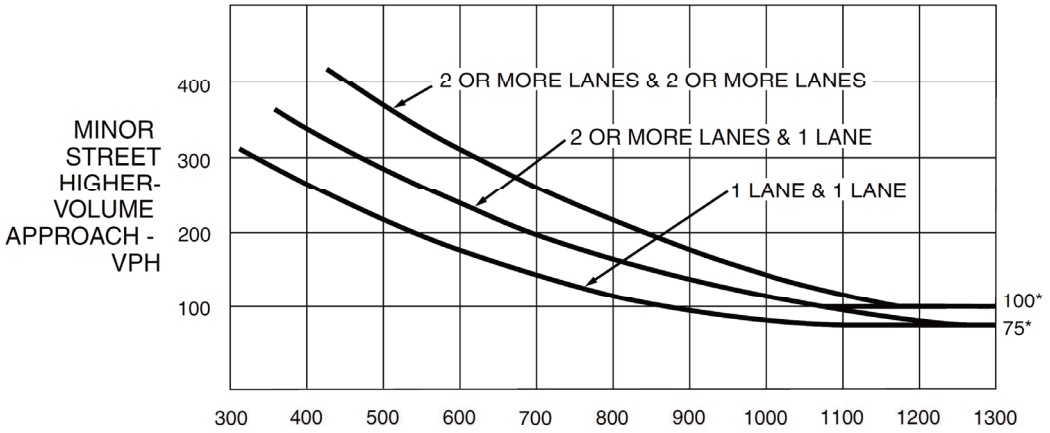


*Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

(2625,57) *

Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 40 MPH ON MAJOR STREET)



*Note: 100 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold volume for a minor-street approach with one lane.

APPENDIX I

M/M/S QUEUING MODEL OUTPUT

Queuing M/M/s (Multi-Channel)

Arrival rate, lambda	120	customers/hour
Mean service time, miu	60	customers/hour
Number of servers, s	3	(max = 50)

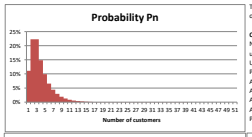
Economic Analysis of Queue

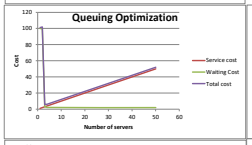
Waiting cost per time period per each unit, Cw	1	$/Hour
Service cost per time period for each channel, Cs	1	$/Hour

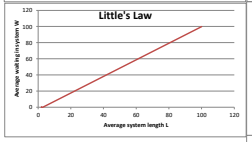
Queuing Performances

utilization single server, rho	2	
Utilization factor, U	67%	OK
Prob. Empty system, P0	11%	
Average queue length Lq	0.8889	customers
Average system length L	2.8889	customers
Average waiting in queue Wq	0.0074	hour =
Average waiting in system W	0.0241	hour =
Prob. of waiting	44.44%	
Optimum number of servers	3	

Number of customers	Probability	Sum
0	11.11%	11.11%
1	22.22%	33.33%
2	22.22%	55.56%
3	14.81%	70.37%
4	9.88%	80.25%
5	6.58%	86.83%
6	4.39%	91.22%
7	2.93%	94.15%
8	1.95%	96.10%
9	1.30%	97.40%
10	0.87%	98.27%
11	0.58%	98.84%
12	0.39%	99.23%
13	0.26%	99.49%
14	0.17%	99.66%
15	0.11%	99.77%
16	0.08%	99.85%
17	0.05%	99.90%
18	0.03%	99.93%
19	0.02%	99.95%
20	0.02%	99.97%
21	0.01%	99.98%
22	0.01%	99.99%
23	0.00%	99.99%
24	0.00%	99.99%
25	0.00%	100.00%
26	0.00%	100.00%
27	0.00%	100.00%
28	0.00%	100.00%
29	0.00%	100.00%
30	0.00%	100.00%
31	0.00%	100.00%
32	0.00%	100.00%
33	0.00%	100.00%
34	0.00%	100.00%
35	0.00%	100.00%
36	0.00%	100.00%
37	0.00%	100.00%
38	0.00%	100.00%
39	0.00%	100.00%
40	0.00%	100.00%
41	0.00%	100.00%
42	0.00%	100.00%
43	0.00%	100.00%
44	0.00%	100.00%
45	0.00%	100.00%
46	0.00%	100.00%
47	0.00%	100.00%
48	0.00%	100.00%
49	0.00%	100.00%
50	0.00%	100.00%
>50	0.00%	100.00%
Sum	100.00%	







$$P_0 = \left(\sum_{n=0}^{s-1} \frac{\lambda^n}{n!\mu^n} + \frac{\lambda^s}{s!\mu^s} \left(\frac{s\mu}{s\mu - \lambda} \right) \right)^{-1}$$

Computation of the Probability of empty server, P0

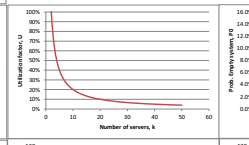
n	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
adden for each n	1	2	2	1.3333	0.6667	0.2667	0.0889	0.0254	0.0063	0.0014	0.0003	5E-05	9E-06	1E-06	2E-07	3E-08	3E-09	4E-10	4E-11	4E-12	4E-13	4E-14	4E-15	3E-16	3E-17	2E-18	2E-19	1E-20	9E-22	6E-23	4E-24	3E-25	2E-26	1E-27	6E-29	3E-30	2E-31	1E-32	5E-34	3E-35	1E-36	7E-38	3E-39	1E-40	7E-42	3E-43	1E-44	5E-46	2E-47	9E-49	3.7019E-50
denominator adden	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

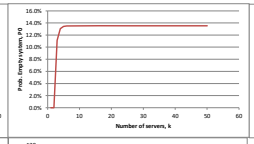
Computation of Optimization Table

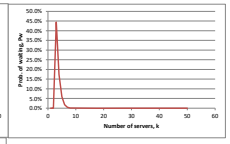
Number of servers, k	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
Average system length, L	100	100	2.8889	2.1739	2.0398	2.009	2.0019	2.0004	2.0001	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Service cost	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
Waiting Cost	100	100	2.8889	2.1739	2.0398	2.009	2.0019	2.0004	2.0001	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total cost	101	102	5.8889	6.1739	7.0398	8.009	9.0019	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
optimum server	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

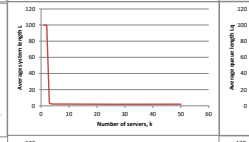
Queuing Performances Table

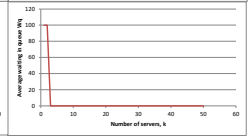
Number of servers, k	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
utilization single server, rho	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Utilization factor, U	200%	100%	67%	50%	40%	33%	29%	25%	22%	20%	18%	17%	15%	14%	13%	13%	12%	11%	11%	10%	10%	9%	9%	8%	8%	8%	7%	7%	7%	7%	6%	6%	6%	6%	6%	6%	5%	5%	5%	5%	5%	5%	5%	5%	4%	4%	4%	4%	4%	4%
Prob. Empty system, P0	0.0%	0.0%	11.1%	13.0%	13.4%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%	13.5%
Average queue length Lq	100	100	0.8889	0.1739	0.0398	0.009	0.0019	0.0004	7E-05	1E-05	2E-06	3E-07	4E-08	5E-09	6E-10	7E-11	8E-12	8E-13	8E-14	7E-15	6E-16	6E-17	5E-18	4E-19	3E-20	2E-21	1E-22	1E-23	7E-25	4E-26	3E-27	2E-28	9E-30	5E-31	3E-32	2E-33	8E-35	4E-36	2E-37	1E-38	5E-40	2E-41	1E-42	4E-44	2E-45	8E-47	3E-48	1E-49	6E-51	2E-52
Average system length L	100	100	2.8889	2.1739	2.0398	2.009	2.0019	2.0004	2.0001	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Average waiting in queue Wq	100	100	0.0074	0.0014	0.0003	8E-05	2E-05	3E-06	6E-07	1E-07	2E-08	2E-09	3E-10	4E-11	5E-12	6E-13	6E-14	6E-15	6E-16	6E-17	5E-18	5E-19	4E-20	3E-21	2E-22	2E-23	1E-24	8E-26	5E-27	3E-28	2E-29	1E-30	8E-32	4E-33	3E-34	1E-35	7E-37	3E-38	2E-39	8E-41	4E-42	2E-43	8E-45	4E-46	2E-47	7E-49	3E-50	1E-51	5E-53	2E-54
Average waiting in system W	100	100	0.0241	0.0181	0.017	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167
Prob. of waiting, Pw	0.0%	######	44.4%	37.4%	6.0%	1.8%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%











December 14, 2021

Subject: Will Serve Letter for 920 E Rosecrans Ave, Los Angeles

Dear Customer,

The above-named property location is within the certificated service area of Liberty Utilities (Park Water) Corp. and we can provide water service to this property. 12-inch water main servicing this area is located 32 feet south of the centerline along E Rosecrans Ave. An 8-inch water main also servicing this area is located 13 feet west of the east property line along S Cahita Ave.

To receive domestic water service, the owner or developer must sign up for service at our office. A new service (connection from water main up to and including the water meter and meter box) where no existing service is provided to the property will be installed at no cost. Any additional service installations will be paid by the customer. All water meters will be installed in the right of way or existing easement.

If you have any questions or require further information, please feel free to contact our office.

Sincerely,

Liberty Utilities (Park Water) Corp.

Evert Vencer
Engineer I

LOS ANGELES COUNTY
SANITATION DISTRICTS
Converting Waste Into Resources

Robert C. Ferrante
Chief Engineer and General Manager

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
(562) 699-7411 • www.lacsd.org

October 4, 2022

Ref. DOC 6704691

Mr. Randy Chapman, P. E., President
CCE Design Associates, Inc.
771 East Daily Drive, Suite 120
Camarillo, CA 93010

Dear Mr. Chapman:

Will Serve Letter for Animo Compton Charter School

The Los Angeles County Sanitation Districts (Districts) received your will serve letter request for the subject project on September 23, 2022. The proposed project is located within the jurisdictional boundary of District No. 8. We offer the following comments regarding sewerage service:

1. The wastewater flow originating from the proposed project will discharge to a local sewer line, which is not maintained by the Districts, for conveyance to the Districts' Victoria Street Trunk Sewer, located in Stanford Avenue at 154th Street. The Districts' 12-inch diameter trunk sewer has a capacity of 2.4 million gallons per day (mgd) and conveyed a peak flow of 0.3 mgd when last measured in 2015.

2. The wastewater generated by the proposed project will be treated at the Joint Water Pollution Control Plant located in the City of Carson, which has a capacity of 400 mgd and currently processes an average flow of 243.1 mgd.

3. The expected increase in average wastewater flow from the project, described in the request as conversion of 5,646 square feet of an existing church sanctuary to a multi-purpose room and office and the addition of 33,769 square feet of classrooms is 7,601 gallons per day, after the change in use has been implemented. For a copy of the Districts' average wastewater generation factors, go to www.lacsd.org, under Services, then Wastewater Program and Permits and select Will Serve Program, and click on the Table 1, Loadings for Each Class of Land Use link.

4. The Districts are empowered by the California Health and Safety Code to charge a fee to connect facilities (directly or indirectly) to the Districts' Sewerage System or to increase the strength or quantity of wastewater discharged from connected facilities. This connection fee is used by the Districts for its capital facilities. Payment of a connection fee may be required before this project is permitted to discharge to the Districts' Sewerage System. For more information and a copy of the Connection Fee Information Sheet, go to www.lacsd.org, under Services, then Wastewater (Sewage) and select Rates & Fees. In determining the impact to the Sewerage System and applicable connection fees, the Districts will determine the user category (e.g. Condominium, Single Family Home, etc.) that best represents the actual or anticipated use of the parcel(s) or facilities on the parcel(s) in the development. For more specific information regarding the connection fee application procedure and fees, the developer should contact the Districts' Wastewater Fee Public Counter at (562) 908-4288, extension 2727.

5. In order for the Districts to conform to the requirements of the Federal Clean Air Act (CAA), the capacities of the Districts' wastewater treatment facilities are based on the regional growth forecast adopted by the

Southern California Association of Governments (SCAG). Specific policies included in the development of the SCAG regional growth forecast are incorporated into clean air plans, which are prepared by the South Coast and Antelope Valley Air Quality Management Districts in order to improve air quality in the South Coast and Mojave Desert Air Basins as mandated by the CAA. All expansions of Districts' facilities must be sized and service phased in a manner that will be consistent with the SCAG regional growth forecast for the counties of Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial. The available capacity of the Districts' treatment facilities will, therefore, be limited to levels associated with the approved growth identified by SCAG. As such, this letter does not constitute a guarantee of wastewater service, but is to advise the developer that the Districts intend to provide this service up to the levels that are legally permitted and to inform the developer of the currently existing capacity and any proposed expansion of the Districts' facilities.

If you have any questions, please contact the undersigned at (562) 908-4288, extension 2708 or at dcurry@lacsd.org.

Very truly yours,

Donna J. Curry

Donna J. Curry
Customer Service Specialist
Facilities Planning Department

DC:dc