5261 West Imperial Highway
Los Angeles, California 90045
Telephone: 310-854-6300
Toll-free: 888-705-6300
Fax: 310-854-0199

Phase I Environmental Site Assessment and Limited Soil Investigation Report

EFI Global Project No.: 045.02270

Tentative Tract Map (TTM) 37764

Southeast Corner of Victoria Avenue and La Sierra Avenue
Riverside, California 92503

Date of Issuance: December 19, 2019

Prepared For:

Murow Development Consultants

1151 Duryea Avenue
Irvine, California 92614

TABLE OF CONTENTS

EXECUTIVE SUMMARY **5**

1.0 INTRODUCTION **9**

1.1 Significant Assumptions 10

1.2 Limitations and Exceptions 10

1.3 Reliance 11

1.4 User Responsibilities 11

2.0 SITE DESCRIPTION **12**

2.1 Current and Historical Addresses 12

2.2 Legal Description 12

2.3 Physical Setting 12

3.0 SITE RECONNAISSANCE/INTERVIEWS **13**

3.1 Site Reconnaissance 13

3.1.1 Exterior Observations 13

3.1.2 Interior Observations 13

3.1.3 Reconnaissance Limitations 13

3.2 Adjoining and Immediately Surrounding Properties 14

3.3 Surrounding Area Observations 14

3.3.1 Surrounding Property Uses 14

3.3.2 Surrounding Geography 14

3.4 Interviews 14

3.4.1 Property Owner 14

3.4.2 Key Site Manager 14

3.4.3 Property Occupants 14

3.4.4 Past Owners, Operators and Occupants 14

3.4.5 Prospective Purchaser 15

3.4.6 Neighboring Property Owners/Tenants 15

3.5 User Provided Information 15

3.5.1 Lien Search 15

3.5.2 Specialized Knowledge 15

3.5.3 Commonly Known or Reasonably Ascertainable Information 16

3.5.4 Property Valuation 16

3.5.5 Purpose of Performing Phase I ESA 16

3.6 User Provided Documents 16
4.0 HISTORICAL LAND USE 17
4.1 Aerial Photography Review 17
4.2 Building Department Records Review 19
4.3 City Directory Review 19
4.4 Sanborn Map Review 19
4.5 Historical Summary 19
4.5.1 Subject Property 19
4.6 Historical Data Gaps 20
5.0 REGULATORY DATABASE REPORT 21
5.1 Subject Property 21
5.2 Adjoining and Immediately Surrounding Properties 22
5.3 Surrounding Area 22
5.4 Orphan Sites 22
6.0 AGENCY FILE REVIEWS 23
6.1 State Agencies 23
6.2 City/County Agencies 23
6.3 Agency File Review Limitations 23
7.0 LIMITED SOIL INVESTIGATION 24
7.1 Field Activities 24
7.1.1 Soil Sampling Locations 24
7.1.2 Borehole Abandonment 24
7.2 Laboratory Analytical Program 24
7.2.1 Composite Soil Sample Preparation 25
7.2.2 Chemical Analysis 25
7.2.3 Soil Analytical Results 25
7.3 Regulatory Screening Levels 26
7.4 Findings 27
8.0 NON-SCOPE ENVIRONMENTAL RISKS 28
8.1 Asbestos Containing Building Materials 28
8.2 Lead-Based Paint 28
8.3 Radon 29
8.4 Wetlands 29
8.5 Mold 30

8.6 Methane Gas 30
9.0 FINDINGS 31
9.1 CONCLUSIONS 31
9.2 RECOMMENDATIONS 31
10.0 SIGNATURES 32
11.0 REFERENCES 33

TABLE OF APPENDICES

APPENDIX I: ILLUSTRATIONS

APPENDIX II: PHOTOS

APPENDIX III: RADIUS MAP REPORT

APPENDIX IV: LIMITED SOIL INVESTIGATION DOCUMENTATION

APPENDIX V: SUPPORTING DOCUMENTATION

EXECUTIVE SUMMARY

EFI Global, Inc. has performed a Phase I Environmental Site Assessment (Phase I) and Limited Soil Investigation for Murow Development Consultants (Client) for a agricultural property located at the southeast corner of Victoria Avenue and La Sierra Avenue, in Riverside County, and the City of Riverside, California, Assessor's Parcel Number (APN): 136-220-016. The research conducted for this study and the report prepared are in conformance with the United States Environmental Protection Agency (USEPA) All Appropriate Inquiry (AAI) standard and the American Society for Testing and Materials (ASTM) E 1527-13 scope of work.

SITE DESCRIPTION

According to our research and information provided by the Client, the subject property is located at the southeast corner of Victoria Avenue and La Sierra Avenue, Riverside, California, and is described by the APN 136-220-016. According to the Riverside County Assessor's Office, no physical address is currently associated with the subject property. The subject property is approximately 8.81 acres in size and is currently utilized as an orchard. According to the Client, the subject property is identified as by Tentative Tract Map (TTM) 37764, and the proposed future use will include a residential development. The surrounding area consists of residential structures and agricultural land. Groundwater is estimated to be approximately 35 feet below ground surface in the area of the site and is assumed to flow towards the west.

- The subject property is mostly covered with orange trees and grasses; therefore, limiting the observation of all surface areas of the property. No other significant limitations were encountered during our reconnaissance of the subject property.

- No significant hazardous material storage or recognized environmental conditions were observed at the site. Those interviewed, as persons familiar with the site were not aware of any negative environmental conditions associated with the property.

HISTORICAL LAND USE

According to EFI Global, Inc.'s interpretation of the historical research data, the subject property has been utilized for agricultural purposes since at least 1931. By at least 2009, a concrete-paved walk way was constructed and a trailer was stationed on the eastern portion. The subject property has remained in this configuration through the present. Additionally, since the subject property has never been developed with any structures, no physical address has been identified by EFI Global, Inc. during the course of this investigation. A physical address is often utilized in the historical research process in order to identify any address-specific information, such as regulatory and enforcement actions. However, based on the reliability of other data sources, the lack of a physical address is not expected to significantly alter the findings of this investigation.

- The subject property has been utilized for agricultural purposes since at least 1931 through the present. There is a potential that agricultural chemicals, such as pesticides, herbicides, and fertilizers, were and are continued to be used on site. Agricultural chemicals tend to accumulate in the near surface soils. The types of pesticides and herbicides used prior to the present time are not known. As the subject property has never been developed, the potential for residual agricultural chemicals such as pesticides, herbicides, and fertilizers cannot be

ruled out. Based on the forgoing and the proposed future residential development of the subject property, the historic and current agricultural use is considered to be a potential environmental concern for the subject property. Therefore, a limited soil investigation was performed as part of this assessment. The results of the investigation are provided in the Limited Soil Investigation Section below.

- The earliest historical resource obtained during this investigation was an aerial photograph from 1931, which indicated development of the subject property for agricultural use. The lack of historical data sources for the subject property dating back to first developed uses represents historical data source failure. However, it is assumed that prior to 1931, the subject property would have been developed for agricultural use, if not undeveloped. Based on this notion, this limitation is not expected to significantly alter the findings of this investigation.

ENVIRONMENTAL DATA SEARCH

- **TTM 36713 (Intersection of La Sierra Avenue and Victoria Avenue)** - The subject property is listed on the National Pollutant Discharge Elimination System (NPDES), California Integrated Water Quality System (CIWQS), and California Environmental Reporting System (CERS) databases. According to the NPDES and CIWQS listings, the subject property was permitted for the collection of storm water on site in 2017. No other information was provided. According to the CERS listing, the subject property was listed as having a compliance evaluation inspection completed in 2018; however, no construction occurred on site at that time. No further information was provided. Local regulatory research was conducted with the appropriate regulatory agencies with regard to the aforementioned listings. The results of those inquiries are summarized below.

- There are no properties within 100-feet of the subject property where a release is considered likely or a known release has occurred.

- In our opinion, none of the other sites listed on the regulatory database report pose a significant threat to the subject property as there is no indication of a release at the respective sites, a release has occurred but groundwater has not been impacted, a release has occurred but the case is closed, or the sites are located cross or down gradient of the subject property and in excess of 1/10 mile from the subject property.

The Santa Ana Regional Water Quality Control Board (SARWQCB), Department of Toxic Substances Control (DTSC), South Coast Air Quality Management District (SCAQMD), Riverside City Clerk's Office (RCCO), and Riverside County Department of Environmental Health (RCDEH) were contacted regarding permits, air emissions, site investigation files, hazardous materials, underground storage tank, and industrial waste discharge records for the subject property. Additionally, the State Water Resources Control Board (SWRCB) GeoTracker and California Integrated Water Quality System (CIWQS) Storm Water Multiple Applications and Report Tracking System (SMARTS), DTSC's Hazardous Waste Tracking System (HWTS) and EnviroStor, SCAQMD's Facility Information Detail (FIND), and Riverside County Information Technology (RCIT) online databases were reviewed for information pertaining to the subject property.

- According to responses to our requests from the SARWQCB, DTSC, SCAQMD, RCCO, and RCDEH, there are no files for the subject property APN 136-220-016. Furthermore, a review of the GeoTracker, EnviroStor, HWTS, FIND, and RCIT online databases found no files for the subject property.

- According to the review of the CIWQS SMARTS database, the current property owner, La Sierra Victoria Development LLC, was issued a Notice of Intent (NOI) by the CIWQS for the general permit to discharge storm water since October 2018, for the future residential construction of the subject property. The subject property was listed under TTM 36713. The permit remained active until October 2019. The CIWQS records included Annual Reports from 2016 to 2019. No violations were identified for the subject property. Based on the nature of the listing, lack of documented discharges, and good housekeeping practices observed during the site reconnaissance, this listing is not expected to represent a significant environmental concern for the subject property at this time.

- The Division of Oil, Gas, and Geothermal Resources (DOGGR) Online Mapping System was reviewed for information pertaining to oil and gas exploration on or nearby the subject property. No oil wells were identified within 500 feet of the subject property.

- No significant data gaps were encountered during our agency file reviews.

- The User was not aware of any environmental cleanup liens or activity and use limitations encumbering the subject property. The User provided EFI Global, Inc. with a Preliminary Report prepared by Pacific Coast Title Company, dated October 15, 2019, for the subject property which was reviewed by EFI Global, Inc. No environmental cleanup liens or activity and use limitations encumbering the subject property were identified in our review. Furthermore, based on our review the DTSC EnviroStor Database, no environmental liens enforced by the DTSC were identified.

LIMITED SOIL INVESTIGATION

EFI Global conducted a Limited Soil Investigation to further evaluate site soils for the presence (or absence) of potential chemicals of concern associated with the onsite agricultural use. . The scope of work consisted of collecting soil samples at 18 locations throughout the subject property to evaluate near-surface soils for potential chemicals of concern that include organochlorine pesticides (OCPs) and arsenic. All environmental sampling for this assessment was performed on December 5, 2019.

Analytical results from the shallow soil samples collected during this investigation detected low concentrations of OCPs (alpha-Chlordane, 4,4´-DDD, 4,4´-DDE, 4,4´-DDT, and Dieldrin) and arsenic in soil beneath the subject property. The detected concentrations were compared to the Department of Toxic Substances Control (DTSC) Modified Soil Screening Levels (DTSC-SLs) for a residential land use scenario. All detected concentrations of OCPs were below their respective residential screening levels, while the detected arsenic concentrations appear to represent background or a trace concentration inherent to soil in the site vicinity. Therefore, it is EFI Global's opinion that the detected concentrations of OCPs and arsenic represent a *de minimis condition* and no additional environmental assessment is warranted at this time.

Additional Issues

- As there are no structures on the subject property, the potential for asbestos-containing building materials (ACMs) and lead-based paint are considered to be low.
- According to research the potential for radon at this property is low.
- As there are no structures on the subject property, a mold inspection was not conducted as part of this assessment.
- Based on our research, the property is not known to be located in proximity (within 1,000 feet) to any active or abandoned oil wells or landfills. Therefore, the potential for methane risk at the subject property is considered low.

CONCLUSIONS

EFI Global, Inc. has performed a Phase I Environmental Site Assessment and Limited Soil Investigation in conformance with the scope and limitations of ASTM Practice 1527-13, for a vacant property located at the southeast corner of Victoria Avenue and La Sierra Avenue, Riverside, California, the subject property. Any exceptions to or deletions from this practice are described in the individual sections of this report. This assessment has revealed no evidence of recognized environmental conditions or *de minimis* conditions in connection with the subject property, except for the following:

Recognized Environmental Conditions (REC)

In our opinion, no RECs were identified during the course of this assessment.

Historical Recognized Environmental Conditions (HREC)

In our opinion, no HRECs were identified during the course of this assessment.

Controlled Recognized Environmental Conditions (CREC)

In our opinion, no CRECs were identified during the course of this assessment.

De Minimis Conditions

The low levels of OCPs and arsenic detected in near-surface soils as part of our Limited Soil Investigation are considered to be a *de minimis condition* for the subject property. However, EFI Global notes that based on the subject property's historical agricultural use, it is possible that buried/concealed/hidden agricultural by-products, both above and below ground may have existed or exists on the subject property. Any buried trash/debris or other waste encountered during future subject property development should be evaluated by an experienced environmental consultant prior to removal. If stained or suspicious soil is encountered during future grading operations, the material should be evaluated and if deemed necessary, characterized for property disposal.

RECOMMENDATIONS

Based on the foregoing, no additional investigation is recommended at this time.

1.0 INTRODUCTION

EFI Global, Inc. has performed a Phase I Environmental Site Assessment (Phase I) and Limited Soil Investigation for the property located at the southeast corner of Victoria Avenue and La Sierra Avenue, in Riverside County, and the City of Riverside, California (Subject Property). This report has been prepared for the sole use of Murow Development Consultants (Client).

The research conducted for this study and the report prepared are in general conformance with the EPA "All Appropriate Inquiries" standard and the ASTM 1527-13 "Standard Practices for Environmental Site Assessments: Phase I Environmental Site Assessment Process". The primary purpose for performing a Phase I ESA is to "...permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations (commonly known as landowner liability protections) on Comprehensive Environmental Response Compensation and Liability Act (CERCLA) liability." (ASTM, 2013) An environmental site assessment meeting or exceeding this practice and completed less than 180 days prior to the date of acquisition is presumed to be valid under this standard. In order to maintain landowner liability protections, the User also has a "continuing obligation to not interfere with activity and use limitations associated with the property," must take "reasonable steps to prevent releases" and must "comply with legal release reporting obligations." (ASTM, 2013) Further, it is the goal of this study to identify business risks related to the property associated with environmental conditions. This investigation is not an environmental compliance audit and is not designed to determine if the operations of an existing facility are in compliance with applicable environmental laws and regulations.

The goal of this process is to identify any (1) recognized environmental conditions (RECs), (2) historic recognized environmental conditions (HRECs), (3) controlled recognized environmental conditions (CRECs), and/or (4) *de minimis* conditions associated with the subject property.

- A **recognized environmental condition** is defined as "...the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment." This definition does not include de minimis conditions defined as "a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies" (ASTM, 2013).

- A **historical recognized environmental condition** is defined as "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)." (ASTM, 2013). The HREC designation requires the comparison of residual contamination concentrations, if any, to current regulatory standards.

- A **controlled recognized environmental condition** is defined as "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or

equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)" (ASTM, 2013).

- A ***de minimis condition*** is defined as "a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* conditions are not recognized environmental conditions nor controlled recognized environmental conditions" (ASTM, 2013).

In order to identify environmental conditions at the site, the Phase I ESA includes a site inspection, interviews with parties familiar with the property, historical research into the past uses of the property, and an environmental records search with regard to the subject property, adjoining and immediately surrounding properties, and the surrounding area. In addition, EFI Global, Inc. provides an opinion regarding the potential for asbestos containing materials, lead-based paints, mold, radon, oil and gas exploration, and methane as they relate to the subject property. Reviewing those documents that are publicly available, reasonably ascertainable, and practically reviewable controls the completeness of this assessment. The inability to review documents which do not exist or are not publicly available, reasonably ascertainable, or practically reviewable may result in a data gap.

1.1 Significant Assumptions

While this report provides an overview of potential environmental concerns, both past and present, the environmental assessment is limited by the availability of information at the time of the assessment. It is possible that unreported disposal of waste or illegal activities impairing the environmental status of the property may have occurred which could not be identified. The conclusions and recommendations regarding environmental conditions that are presented in this report are based on a scope of work authorized by the Client. Note, however, that virtually no scope of work, no matter how exhaustive, can identify all contaminants or all conditions above and below ground.

1.2 Limitations and Exceptions

This report has been prepared in accordance with generally accepted environmental methodologies referred to in ASTM 1527-2013, and contains all of the limitations inherent in these methodologies. No other warranties, expressed or implied, are made as to the professional services provided under the terms of our contract and included in this report. The conclusions of this report are based in part, on the information provided by others. The possibility remains that unexpected environmental conditions may be encountered at the site in locations not specifically investigated. The services performed and outlined in this report were based, in part, upon visual observations of the site and attendant structures. Our opinion cannot be extended to portions of the site that were unavailable for direct observation, reasonably beyond the control of EFI Global, Inc. The objective of this report was to assess environmental conditions at the site, within the context of our contract and existing environmental regulations within the applicable jurisdiction. Evaluating compliance of past or future owners with applicable local, provincial, and federal government laws and regulations was not included in our contract for services. Our observations relating to the condition of environmental media at the site are described in this report. It should be noted that compounds or materials other than those described could be present in the site environment.

1.3 Reliance

This report has been prepared for the sole use of Murow Development Consultants. The contents should not be relied upon by any other parties without the express written consent of Murow Development Consultants and EFI Global, Inc.

1.4 User Responsibilities

The United States Environmental Protection Agency (USEPA) All Appropriate Inquiry (AAI) and ASTM E 1527-13 Phase I Standards require that the User conduct independent research and consider certain information before purchasing a property:

- Obtain a recent (less than 180 days old) title report prepared for the subject property. The report should be reviewed to obtain information regarding environmental clean-up liens or activity and use limitations (AULs) with regard to the subject property. If environmental cleanup liens or AULs encumbering the subject property or in connection with the subject property are identified, the User should provide that information to the Environmental Professional (EFI Global, Inc.). If the User has actual knowledge of environmental cleanup liens or AULs encumbering the subject property or in connection with the subject property, the User should provide that information to the Environmental Professional (EFI Global, Inc.).

- The User should provide the Environmental Professional (EFI Global, Inc.) with any specialized knowledge the User has with regard to recognized environmental conditions in connection with the property.

- If the User is aware of any commonly known information in the community about the subject property with respect to recognized environmental conditions, the User should provide the information to the Environmental Professional (EFI Global, Inc.).

- If this Phase I ESA was prepared as due diligence for a property transaction, it is the responsibility of the User to consider the relationship of the purchase price to the fair market value of the property. If the purchase price is significantly lower than the fair market value, the User should identify the alternate reason for the low purchase price if the lower purchase price is not related to the property being affected by hazardous substances or petroleum products.

2.0 SITE DESCRIPTION

EFI Global, Inc. has performed a Phase I and Limited Soil Investigation for a agricultural property located at the southeast corner of Victoria Avenue and La Sierra Avenue, in Riverside County, and the City of Riverside, California. The subject property is approximately 8.81 acres in size and is currently utilized as an orchard. According to the Client, the subject property is identified as by Tentative Tract Map (TTM) 37764, and the proposed future use will include a residential development.

The subject property is located within the jurisdiction of the Southern California Gas Company, Southern California Edison, and the City of Riverside for natural gas, electrical, potable water, and sewer services, respectively. However, as of the date of completion of this report, no structures were located on the subject property.

2.1 Current and Historical Addresses

According to our research and information provided by the Client and the County of Riverside, no physical address has been assigned to the subject property.

2.2 Legal Description

According to the Riverside County Assessor's Office, the subject property is located in the City of Riverside, and is described by the Assessor's Parcel Number: 136-220-016.

2.3 Physical Setting

The elevation of the subject property is approximately 825 feet above sea level (United States Geological Survey Riverside West, California 7.5 minute topographic quadrangle). Based on our review of the GeoCheck Section of the Environmental Data Resources, Inc. (EDR) Radius report, the subject property is not situated within a 100-year Federal Environmental Management Agency (FEMA) Flood Zone. No wetlands were identified at the property or adjoining/immediately surrounding properties. Based on our review of groundwater data presented in the State Water Resources Control Board (SWRCB) GeoTracker website, groundwater was detected at a leaking underground storage tank site (2292 La Sierra Avenue) approximately 1,650 feet southwest of the subject property at approximately 35 feet below ground surface. However, perched and semi-perched aquifers may be present beneath the site. Based on regional groundwater data, the regional groundwater flow direction is estimated to be towards the west; however, local groundwater flow direction may vary.

3.0 SITE RECONNAISSANCE/INTERVIEWS

3.1 Site Reconnaissance

On December 4, 2019, Mr. Raul Gaina of EFI Global, Inc. conducted a site reconnaissance of the subject property. The site inspection was conducted to attempt to identify current site use(s), current hazardous materials storage, and evidence of past site uses and hazardous material storage and to identify evidence of other recognized environmental conditions. The following table summarizes our Site Reconnaissance observations:

Yes	No	Observed Feature(s)
	✔	Hazardous Substances and Petroleum Products Containers
	✔	Underground and/or Aboveground Storage Tanks
	✔	Drains/Sumps/Clarifiers/Sewer Interceptors/Septic Systems
	✔	Stained or Corroded Surfaces/Stained Soil or Stressed Vegetation
	✔	Pits/Ponds/Lagoons/Wetlands
	✔	Electrical Equipment with the Potential to contain Fluids
	✔	Production or Monitoring Wells
	✔	Evidence of Solid Waste Disposal/Dumping/Fill Areas

3.1.1 Exterior Observations

Given the site is used as an orchard, the exterior portions of the site consist of dense vegetation. The land is mostly flat throughout the subject property. The southeastern portion of the subject property included remnants of a park and playground area. The eastern portion of the site included a storage trailer and a wooden fence. Orange trees were planted throughout the other portions of the subject property. Additionally, one windmill is located in the central portion of the orchard, which appeared to not be in operation during the time of our site reconnaissance. One pad-mounted electrical transformer was observed on the southern portion and three pole-mounted electrical transformers on a singular pole were observed on the central portion of the subject property. No stains or spills were observed on the surface area beneath the transformers. Based on the good condition of the equipment, the transformers are not expected to represent a significant environmental concern for the subject property.

No recognized environmental conditions were observed in the exterior portions of the subject property.

3.1.2 Interior Observations

As there are no structures on the subject property, no interior observations were made.

3.1.3 Reconnaissance Limitations

The subject property is mostly covered with orange trees and grasses; therefore, limiting the observation of all surface areas of the property. No other significant limitations were encountered during our reconnaissance of the subject property.

3.2 Adjoining and Immediately Surrounding Properties

The adjoining and immediately surrounding properties (within 100-feet of the subject property boundary) were visually and physically observed from public right-of ways and the subject property in an attempt to identify recognized environmental conditions. Our observations are summarized in the following table:

Location	Address(es)	Uses/Observations
Northeast	2615-2689 (odd) Millsweet Place	Residential
Southeast	11025-11095 (odd) Kayjay Street	Residential
Southwest	2531, 2550, and 2551 Wildcat Lane	Residential
West	2765 and 2779 Wildcat Lane	Residential
Northwest	10968-10998 (even) Stonehenge Place	Residential

- No recognized environmental conditions were readily observable at the adjoining/ immediately surrounding properties.

3.3 Surrounding Area Observations

3.3.1 Surrounding Property Uses

The surrounding area is developed with residential structures and agricultural land.

3.3.2 Surrounding Geography

The surrounding area is mostly flat with a slight topographic slope to the west. No nearby hills or bedrock outcroppings were observed in the area of the site. No lakes, ponds, rivers or streams were observed in the surrounding area.

3.4 Interviews

3.4.1 Property Owner

During the course of the site reconnaissance of the site conducted on December 5, 2019, the Property Owner was unavailable for an interview.

3.4.2 Key Site Manager

During the course of the site reconnaissance of the site conducted on December 5, 2019, the Key Site Manager was unavailable for an interview.

3.4.3 Property Occupants

No occupants were available for interview during the completion of this report.

3.4.4 Past Owners, Operators and Occupants

Past owners, operators and occupants were not able to be identified for an interview for this report.

3.4.5 Prospective Purchaser

Mr. Bret Ilich of Murow Development Consultants, the representative of the prospective purchaser, was interviewed in preparation for the site reconnaissance conducted on December 5, 2019. Mr. Ilich was unaware of any environmental conditions associated with the property. According to Mr. Ilich, the planned future use of the subject property will be for residential purposes.

3.4.6 Neighboring Property Owners/Tenants

Per ASTM, an attempt to interview neighboring property owners/tenants should be conducted when the subject property is vacant and unsecured land.

No owners/tenants of adjoining properties were available for interview during the site reconnaissance as the properties are residential.

3.5 User Provided Information

The United States Environmental Protection Agency (USEPA) All Appropriate Inquiry (AAI) and ASTM 1527-13 Phase I Standards require that the Report User conduct independent research and consider certain information before purchasing a property. EFI Global, Inc. recommends that the User documents completion of the following items:

3.5.1 Lien Search

The User is required to obtain a recent (less than 180 days old) title report prepared for the subject property. The report should be reviewed to obtain information regarding environmental clean-up liens or activity and use limitations with regard to the subject property. If environmental cleanup liens or activity and use limitations encumbering the subject property or in connection with the subject property are identified, the User should provide that information to the Environmental Professional (EFI Global, Inc.). If the User has actual knowledge of environmental cleanup liens or activity and use limitations encumbering the subject property or in connection with the subject property, the User should provide that information to the Environmental Professional (EFI Global, Inc.).

- The User was not aware of any environmental cleanup liens or activity and use limitations encumbering the subject property. The User provided EFI Global, Inc. with a Preliminary Report prepared by Pacific Coast Title Company, dated October 15, 2019, for the subject property which was reviewed by EFI Global, Inc. No environmental cleanup liens or activity and use limitations encumbering the subject property were identified in our review. Furthermore, based on our review the Department of Toxic Substances Control (DTSC) EnviroStor Database, no environmental liens enforced by the DTSC were identified.

3.5.2 Specialized Knowledge

The User should provide the Environmental Professional (EFI Global, Inc.) with any specialized knowledge the User has with regard to recognized environmental conditions in connection with the property.

- The User has no specialized knowledge with respect to recognized environmental conditions in connection with the property.

3.5.3 Commonly Known or Reasonably Ascertainable Information

If the User is aware of any commonly known information in the community about the subject property with respect to recognized environmental conditions, the User should provide the information to the Environmental Professional (EFI Global, Inc.).

- The User is not aware of any commonly known information in the community about the subject property with respect to recognized environmental conditions.

3.5.4 Property Valuation

If this Phase I ESA was prepared as due diligence for a property transaction, it is the responsibility of the User to consider the relationship of the purchase price to the fair market value of the property. If the purchase price is significantly lower than the fair market value, the User should identify the alternate reason for the low purchase price if the lower purchase price is not related to the property being affected by hazardous substances or petroleum products.

- At the issuance of this report, a completed environmental questionnaire has not been returned by the prospective purchaser to determine if the purchase price reflects the fair market value.

3.5.5 Purpose of Performing Phase I ESA

According to the User, the User is a prospective purchaser of the subject property and the Phase I is being performed to qualify for landowner liability protections under CERCLA as well as identify business risks related to the property associated with environmental conditions.

3.6 User Provided Documents

Preliminary Report - Vacant Land APN: 136-220-016, Riverside, California 92503 - performed by Pacific Coast Title Company (Order No. 10130083) - dated October 15, 2019 - The User provided EFI Global, Inc. with this Preliminary Report for the subject property. Please refer to 3.5.1 for more information.

4.0 HISTORICAL LAND USE

A review of historical data derived from standard historical resources is provided in this section. The objective of consulting historical sources is to develop a history of the previous uses of the property and surrounding area, in order to help identify the likelihood of past uses having led to recognized environmental conditions in connection with the property. During our historical review, acute attention is paid to the subject property. Data relating to the adjoining and immediately surrounding properties (within 100-feet of the subject property boundary) and the surrounding area is reviewed to the extent that it is revealed in the course of researching the property itself.

4.1 Aerial Photography Review

Aerial Photography of many portions of the United States dates back to the 1920's. Items searched for in each photograph included, but were not limited to: evidence of tanks, gas stations, industrial site usage, water drainage pathways, areas which show evidence of drums or excessive debris, discolored or stained soils, areas of distressed vegetation, et cetera.

Aerial Photograph Coverage was available from EDR for the years: 1931, 1938, 1948, 1953, 1961, 1967, 1975, 1985, 1990, 1994, 2006, 2009, 2012, and 2016. A summary of our observations is presented in the following table.

Year	Subject Property	Notable Adjoining Property Observations	Notable Observations of the Surrounding Area
1931, 1938, 1948, 1953, 1961, 1967, and 1975	The subject property appears to be developed for agricultural purposes.	Northeast: Agricultural land Southeast: Agricultural land (across unpaved road) Southwest: Agricultural land (across La Sierra Avenue) West: Agricultural land (across La Sierra Avenue and Victoria Avenue) Northwest: Agricultural land (across Victoria Avenue)	The surrounding area appears to be developed with agricultural land.

Year	Subject Property	Notable Adjoining Property Observations	Notable Observations of the Surrounding Area
1985, 1990, and 1994	The subject property appears to be developed for agricultural purposes.	Northeast: Residential (across Millsweet Place) Southeast: Residential (across unpaved road) Southwest: Residential (across La Sierra Avenue) West: Residential (across La Sierra Avenue and Victoria Avenue) Northwest: Residential(across Victoria Avenue)	The surrounding area appears to be developed with residential structures and agricultural land.
2006, 2009, 2012, and 2016	The subject property appears to be developed for agricultural purposes. A portion of unpaved vacant land is visible on the southeastern portion. By 2009, a concrete-paved walk way was constructed and a trailer was stationed on the eastern portion.	Northeast: Residential (across Millsweet Place) Southeast: Residential (across unpaved road) Southwest: Residential (across La Sierra Avenue) West: Residential (across La Sierra Avenue and Victoria Avenue) Northwest: Residential(across Victoria Avenue)	The surrounding area appears to be developed with residential structures and agricultural land.

- Aerial photographs indicate that the subject property was utilized for agricultural land from at least 1931 to 2016. For further discussion on this former use, please refer to Section 4.5.1.

4.2 Building Department Records Review

The subject property APN: 136-220-016 was researched at the City of Riverside Building and Safety Division (RBSD). EFI Global also reviewed the Riverside County Information Technology (RCIT) online database for information pertaining to the subject property. Items considered in the course of the building permit review are previous site usage, previous ownership, and the construction or demolition of any structures that may have had a negative environmental impact on the property.

- According to the RBSD there are no building permits available for the subject property. A review of the RCIT online database indicated that there are no pertinent records available for the subject property. The remaining Historical Land Use data in our opinion is sufficient to accurately ascertain the historical site use.

4.3 City Directory Review

City directories have been published since the 1800's and provide detailed occupant information for the property and its surrounding area at five-year intervals. The purpose of the City Directory research is to attempt to determine the businesses that historically occupied the subject property. Historical City Directories provided by EDR and reviewed by EFI Global, Inc. are listed below.

- As the subject property has not been assigned a physical address, City Directory information was not available for review. The remaining Historical Land Use data in our opinion is sufficient to accurately ascertain the historical site use.

- Listings for adjoining and immediately surrounding properties reviewed during the course of researching the subject property did not reveal any uses of concern.

4.4 Sanborn Map Review

Originally compiled by the Sanborn Map Company of Pelham, New York for fire insurance companies to assess fire risks related to building materials and hazardous materials storage, today Sanborn Maps are an invaluable tool for Environmental Professionals in determining historical site use and the potential for environmental conditions. Sanborn Map Coverage is available from as early as 1867 in some cities. Although Sanborn maps were created for approximately twelve thousand cities and towns in the United States, Canada, and Mexico, Sanborn Map Coverage is not available in newer and more rural communities.

- Sanborn Map Coverage was not available for the subject property. The remaining Historical Land Use data in our opinion is sufficient to accurately ascertain the historical site use.

4.5 Historical Summary

4.5.1 Subject Property

According to EFI Global, Inc.'s interpretation of the historical research data, the subject property has been utilized for agricultural purposes since at least 1931. By at least 2009, a concrete-paved walk way was constructed and a trailer was stationed on the eastern portion. The subject property has remained in this configuration through the present. Additionally, since the subject property has never been developed with any structures, no physical address has been identified by EFI Global, Inc. during the course of this investigation. A physical address is often utilized

in the historical research process in order to identify any address-specific information, such as regulatory and enforcement actions. However, based on the reliability of other data sources, the lack of a physical address is not expected to significantly alter the findings of this investigation.

- The subject property has been utilized for agricultural purposes since at least 1931 through the present. There is a potential that agricultural chemicals, such as pesticides, herbicides, and fertilizers, were and are continued to be used on site. Agricultural chemicals tend to accumulate in the near surface soils. The types of pesticides and herbicides used prior to the present time are not known. As the subject property has never been developed, the potential for residual agricultural chemicals such as pesticides, herbicides, and fertilizers cannot be ruled out. Based on the forgoing and the proposed future residential development of the subject property, the historic and current agricultural use is considered to be a potential environmental concern for the subject property. Therefore, a limited soil investigation was performed as part of this assessment. The results of the investigation are provided in Section 7.0.

4.6 Historical Data Gaps

The earliest historical resource obtained during this investigation was an aerial photograph from 1931 which indicated development of the subject property for agricultural use. The lack of historical data sources for the subject property dating back to first developed uses represents historical data source failure. However, it is assumed that prior to 1931, the subject property would have been developed for agricultural use, if not undeveloped. Based on this notion, this limitation is not expected to significantly alter the findings of this investigation.

5.0 REGULATORY DATABASE REPORT

A radial database search was conducted in accordance with the specifications defined in ASTM E 1527-13 which sets the radial search distances for each regulatory database. The radial database search was conducted by EDR on December 2, 2019. A copy of the database report is presented in Appendix II of this report. The following table summarizes required databases reviewed, the approximate search distances, and indicates if the subject site, adjoining/immediately surrounding properties or surrounding sites are listed on the respective database.

Following the table are summaries of the information found in the relevant database listings and our opinion regarding the potential for the subject property to be impacted. Our opinion is based on the information found in the database listings, through other historical and regulatory resources, "Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions" (ASTM E2600-15), and assumed groundwater flow direction. As discussed in Section 2.3, groundwater is estimated to be approximately 35 feet below ground surface in the area of the site and is assumed to flow towards the west.

DATABASE	Search Distance (Miles)	Subject Site (Yes/No)	Adjacent Site (Yes/No)	Total Listings (#)
Federal National Priorities List (NPL)	1.0	No	No	0
Federal De-listed NPL	1.0	No	No	0
Federal CERCLIS	0.5	No	No	0
Federal CERCLIS NFRAP	0.5	No	No	0
Federal RCRA CORRACTS	1.0	No	No	0
Federal RCRA non-CORRACTS TSD	0.5	No	No	0
Federal RCRA Generators	0.25	No	No	0
Federal Institutional/Engineering Controls	0.5	No	No	0
Federal ERNS	Property	No	No	0
State/Tribal Equivalent NPL	1.0	No	No	0
State/Tribal Equivalent CERCLIS	1.0	No	No	0
State/Tribal Landfill	0.5	No	No	0
State/Tribal Underground Storage Tank (UST)	0.25	No	No	1
State/Tribal Leaking Underground Storage Tank (LUST/ SLIC)	0.5	No	No	3
State/Tribal Institutional/Engineering Controls	0.5	No	No	0
State/Tribal Voluntary Clean-up Sites	0.5	No	No	0
State/Tribal Brownfield Sites	0.5	No	No	0

5.1 Subject Property

TTM 36713 (Intersection of La Sierra Avenue and Victoria Avenue) - The subject property is listed on the National Pollutant Discharge Elimination System (NPDES), California Integrated Water Quality System (CIWQS), and California Environmental Reporting System (CERS) databases. According to the NPDES and CIWQS listings, the subject property was permitted for the collection of storm water on site in 2017. No other information was provided. According to the CERS listing, the subject property was listed as having a compliance evaluation inspection completed in 2018; however, no construction

occurred on site at that time. No further information was provided. Local regulatory research was conducted with the appropriate regulatory agencies with regard to the aforementioned listings. The results of those inquiries are summarized in Section 6.0.

5.2 Adjoining and Immediately Surrounding Properties

No adjoining/immediately surrounding properties (within 100-feet) were listed on any of the regulatory databases researched.

5.3 Surrounding Area

In our opinion, none of the other sites listed on the regulatory database report pose a significant threat to the subject property as there is no indication of a release at the respective sites, a release has occurred but groundwater has not been impacted, a release has occurred but the case is closed, or the sites are located cross or down gradient of the subject property and in excess of 1/10 mile from the subject property.

5.4 Orphan Sites

Orphan sites are unmappable sites which appear in a list form in the Radius Map Report rather than on the standard Radius Map. Four orphan sites were identified in the Radius Map Report prepared for this site. The sites were manually mapped to determine the location of the site relative to the subject property and groundwater gradient. The following conclusions were made:

In our opinion, none of the orphan sites listed pose a significant threat to the subject property as there is no indication of a release at the respective sites, a release has occurred but groundwater has not been impacted, a release has occurred but the case is closed, or the sites are located cross or down gradient of the subject property and in excess of 1/10 mile from the subject property.

6.0 AGENCY FILE REVIEWS

6.1 State Agencies

The Santa Ana Regional Water Quality Control Board (SARWQCB), Department of Toxic Substances Control (DTSC), and South Coast Air Quality Management District (SCAQMD) were contacted regarding permits, air emissions, and site investigation files for the subject property. Additionally, the State Water Resources Control Board (SWRCB) GeoTracker and California Integrated Water Quality System (CIWQS) Storm Water Multiple Applications and Report Tracking System (SMARTS), DTSC's Hazardous Waste Tracking System (HWTS) and EnviroStor, and SCAQMD's Facility Information Detail (FIND) online databases were reviewed for information pertaining to the subject property.

- According to responses to our requests from the SARWQCB, DTSC, and SCAQMD, there are no files for the subject property APN 136-220-016. Furthermore, a review of the GeoTracker, EnviroStor, HWTS, and FIND online databases found no files for the subject property.

- According to the review of the CIWQS SMARTS database, the current property owner, La Sierra Victoria Development LLC, was issued a Notice of Intent (NOI) by the CIWQS for the general permit to discharge storm water since October 2018, for the future residential construction of the subject property. The subject property was listed under TTM 36713. The permit remained active until October 2019. The CIWQS records included Annual Reports from 2016 to 2019. No violations were identified for the subject property. Based on the nature of the listing, lack of documented discharges, and good housekeeping practices observed during the site reconnaissance, this listing is not expected to represent a significant environmental concern for the subject property at this time.

The Division of Oil, Gas, and Geothermal Resources (DOGGR) Online Mapping System was reviewed for information pertaining to oil and gas exploration on or nearby the subject property.

- No oil wells were identified within 500 feet of the subject property.

6.2 City/County Agencies

The Riverside City Clerk's Office (RCCO) and Riverside County Department of Environmental Health (RCDEH) were contacted regarding hazardous materials, underground storage tank, and industrial waste discharge records for the subject property. Furthermore, the Riverside County Information Technology (RCIT) online database was reviewed for information relating to potential environmental concerns associated with the subject property.

- According to responses to our requests from the RCCO and RCDEH, there are no files for the subject property APN 136-220-016. Furthermore, a review of the RCIT online database revealed no records for the subject property.

6.3 Agency File Review Limitations

No significant data gaps were encountered during our agency file reviews.

7.0 LIMITED SOIL INVESTIGATION

EFI Global conducted a limited soil investigation at the subject property to assess near-surface soils for the presence (or absence) of residual agricultural chemicals associated with the agricultural use onsite. The field activities are summarized below.

7.1 Field Activities

Field activities pertaining to this investigation were completed on December 5, 2019. Details regarding the work performed are presented below.

7.1.1 Soil Sampling Locations

A total of 18 shallow soil borings (identified as B1 through B18) were advanced to a maximum depth of 2 feet below ground surface (bgs). Soil borings were advanced to provide reasonable lateral coverage of the entire subject property footprint as depicted in Figure 3. Two discrete soil samples were collected from each location at depth intervals of 0 to 0.5 feet and 1.5 to 2 feet bgs.

7.1.1.1 Soil Sample Collection and Handling Procedures

An approximately 3.25-inch-diameter hand auger was used to advance the borings after a shovel was used to clear the surface of vegetation. Discrete soil samples were collected at designated sampling depths in each boring by retrieving a representative volume of soil from the auger bucket and transferring the soil into a leak-resistant, disposable plastic bag; the contents of the bag were then homogenized by hand. Each homogenized bag sample was then transferred into one 8-ounce pre-cleaned, laboratory-provided, glass jar equipped with Teflon® lids.

Each discrete sample was logged in accordance with the Unified Soil Classification System (USCS) and observed for color, moisture content, texture, discoloration, odor and physical evidence of contaminant impact or fill material.

All soil samples were labeled, recorded in a chain-of-custody form, and chilled pending transportation and submittal to Positive Lab Service (Positive) of Los Angeles, California, a State-certified analytical laboratory. Chain-of-custody documentation and protocol were maintained during sample collection through submittal to the analytical laboratory.

7.1.1.2 Encountered Soil Types

Soil types encountered during this investigation were generally classified as silty sand (USCS soil type symbol “SM”); brown and reddish brown; fine- to medium-grained sand; loose; moist. Groundwater was not encountered during sampling activities.

7.1.2 Borehole Abandonment

Following completion of soil sampling, the borings were backfilled with soil cuttings. No investigative derived waste was generated during this investigation.

7.2 Laboratory Analytical Program

7.2.1 Composite Soil Sample Preparation

Following the submittal of all the discrete soil samples to the laboratory, a total of 10 composite samples were prepared by the laboratory using a portion of three discrete samples of like depths. The following bulleted items summarize the composite sample preparation:

- The 0.5-foot samples from borings B1, B2, and B3 were used to prepare composite soil sample B1-S-0.5, B2-S-0.5 and B3-S-0.5;
- The 0.5-foot samples from borings B4, B5, B6, and B7 were used to prepare composite soil sample B4-S-0.5, B5-S-0.5 B6-S-0.5, and B7-S-0.5;
- The 0.5-foot samples from borings B8, B9, B10, and B11 were used to prepare composite soil sample B8-S-0.5, B9-S-0.5, B10-S-0.5, and B11-S-0.5;
- The 0.5-foot samples from borings B12, B13, and B14 were used to prepare composite soil sample B12-S-0.5, B13-S-0.5, and B14-S-0.5;
- The 0.5-foot samples from borings B15, B16, B17, and B18 were used to prepare composite soil sample B15-S-0.5, B16-S-0.5, B17-S-0.5, and B18-S-0.5;

7.2.2 Chemical Analysis

The following is a summary of the chemical analysis performed on the soil samples collected as part of this investigation. The laboratory reports are included in the Limited Soil Investigation Documentation appendix.

- A total of five discrete soil samples collected at 0.5-feet bgs were analyzed for arsenic by United States Environmental Protection Agency (EPA) Method 6010B. The following samples were analyzed: B1-S-0.5, B5-S-0.5, B10-S-0.5, B14-S-0.5, and B16-S-0.5. The remaining 0.5-foot and all 2-foot samples were archived by the laboratory pending future analysis.
- All five composite soil samples were analyzed for Organochlorine Pesticides (OCPs) by EPA Method 8081A.

7.2.3 Soil Analytical Results

Table 1 and 2, attached to this report, presents a summary of the soil analytical results. The following bulleted items summarize OCPs detections:

- alpha-Chlordane was detected in all the composite soil samples analyzed and at concentrations ranging from 18.8 micrograms per kilogram (µg/kg) (composite sample B15-S-0.5, B16-S-0.5, B17-S-0.5, B18-S-0.5) to 331 µg/kg (composite sample B1-S-0.5, B2-S-0.5, B3-S-0.5).
- 4,4´-DDD was detected in all the composite soil samples analyzed and at concentrations ranging from 6.2 µg/kg (composite sample B4-S-0.5, B5-S-0.5, B6-S-0.5, B7-S-0.5) to 11.4 µg/kg (composite sample B12-S-0.5, B13-S-0.5, B14-S-0.5).

- 4,4´-DDE was detected in all the composite soil samples and at concentrations ranging from 222 µg/kg (composite sample B15-S-0.5, B16-S-0.5, B17-S-0.5, B18-S-0.5) to 578 µg/kg (composite sample B1-S-0.5, B2-S-0.5, B3-S-0.5).

- 4,4´-DDT was detected in all the composite soil samples analyzed and at concentrations ranging from 88.1 µg/kg (composite sample B15-S-0.5, B16-S-0.5, B17-S-0.5, B18-S-0.5) to 396 µg/kg (composite sample B1-S-0.5, B2-S-0.5, B3-S-0.5).

- Dieldrin was detected in all of the composite soil samples analyzed and at concentrations ranging from 18.0 µg/kg (composite sample B8-S-0.5, B9-S-0.5, B10-S-0.5, B11-S-0.5 and B18-S-0.5) to 34.0 µg/kg (composite sample B12-S-0.5, B13-S-0.5, B14-S-0.5).

The following bulleted item summarizes the arsenic detected:

- Arsenic was detected in all five discrete soil samples analyzed and at concentrations ranging between 2.17 milligrams per kilogram (mg/kg, discrete sample B16-S-0.5) and 3.41 mg/kg (discrete sample B14-S-0.5).

7.3 Regulatory Screening Levels

In general, human receptors may be exposed to contaminants in soil through dermal contact, inhalation of particulate matter, and ingestion. To evaluate if the detected contaminants represent a significant risk to human receptors, the concentrations in soil were compared to regulatory screening levels that have been established for this purpose.

Regional Screening Levels (RSLs) have been developed by the EPA using default exposure and toxicity criteria to provide conservative screening levels, whereby concentrations of contaminants below such levels are not considered to represent a significant risk (including cancer and non-cancer risks) to human receptors. EPA publishes RSLs periodically. The most current release is dated November 2019. For the Site, the "Target Risk = 1E-06, Target Hazard Quotient = 1.0" RSL data set is appropriate to use.

DTSC recommends the use of alternative screening levels based on toxicity criteria reviewed by DTSC's Human and Ecological Risk Office (HERO). DTSC-modified Screening Levels (DTSC-SLs) are updated periodically and published in *Human Health Risk Assessment (HHRA) Note, HERO HHRA Note Number: 3, DTSC-modified Screening Levels (DTSC-SLs), Release Date: April 2019 Update* (Note 3). For compounds that have screening criteria listed in Note 3, the alternative screening levels are used instead of RSLs.

EPA RSLs and DTSC-SLs for residential soil have been established for chemicals of potential concern detected in the soil samples collected as part of this investigation, which includes arsenic (0.11 mg/kg), Chlordane (1,700 µg/kg), 4-4'-DDD (2,300 µg/kg), 4-4'-DDE (2,000 µg/kg), 4,4'-DDT (1,900 µg/kg), and Dieldrin (34 µg/kg). As shown in Table 1 and 2, none of the detected chemicals of potential concern exceeded their respective EPA RSLs or DTSC-SLs, except for arsenic which is further discussed below. Therefore, the detections are considered to be *de minimis* in nature and do not warrant further action.

Although the arsenic concentrations ranging between 2.17 and 3.41 mg/kg exceeded the DTSC-SL of 0.11 mg/kg, it is well documented that natural background concentrations of arsenic in California soils commonly exceed the screening criteria. In the document titled Determination of a Southern

California Regional Background arsenic Concentration in Soil (Chernoff, et al., 2008), which was prepared by DTSC staff, the authors concluded, "A Probability Plot and statistical analysis of a large data set from school sites in Los Angeles County gave an upper-bound arsenic concentration of 12 mg/kg. A Probability Plot for school sites from 5 counties in Southern California also gave an upper-bound background arsenic concentration of 12 mg/kg." They also stated, "This finding suggests that in Southern California, 12 mg/kg [may be] a useful screening number for evaluating arsenic as a chemical of potential concern." The maximum arsenic level detected in sample B14-S-0.5 is less than 12 mg/kg; therefore, is considered to be background and not of concern.

7.4 Findings

EFI Global has performed a Limited Soil Investigation at the subject property located at the southeast corner of La Sierra Avenue and Victoria Avenue, in Riverside County, and the City of Riverside, California. The purpose of this investigation was to evaluate near-surface soils for the presence (or absence) of potential chemicals of concern associated with the onsite agricultural use. EFI Global collected soil samples at 18 locations throughout the subject property and submitted them for laboratory analytical testing of OCPs and arsenic. All detected concentrations of OCPs were below their respective residential screening levels, while the detected arsenic concentrations appear to represent background or a trace concentration inherent to soil in the site vicinity. Therefore, it is EFI Global's opinion that the detected concentrations of OCPs and arsenic represent a *de minimis condition* and no additional environmental assessment is warranted at this time.

8.0 NON-SCOPE ENVIRONMENTAL RISKS

ASTM Standard E1527-13 identifies additional conditions which, should they exist at the subject property, may create a human health risk to the occupants of the site. These risks may also create additional costs to the property owner in the form of identification, operations & maintenance, and cleanup or remediation.

8.1 Asbestos Containing Building Materials

Asbestos is a group of naturally occurring minerals used in many products, including building materials vehicle brakes, insulation and other products that require resistance to heat and corrosion. Asbestos includes: chrysotile, amosite, crocidolite, tremolite asbestos, anthophyllite asbestos, actinolite asbestos, and any of these materials that have been chemically treated and/or altered.

The inhalation of asbestos fibers by workers can cause cancer and other serious diseases of the lungs and other organs that may not appear until years after the exposure has occurred. For instance, asbestosis can cause a buildup of scar-like tissue in the lungs and result in loss of lung function. Asbestos fibers associated with these health risks are too small to be seen with the naked eye, and smokers are at higher risk of developing some asbestos-related diseases.

Asbestos-containing materials (ACM) do not always pose a hazard to occupants and workers in buildings that contain these materials. Intact, undisturbed ACMs generally do not pose a health risk. ACMs may become hazardous and pose an inhalation risk when they are damaged, disturbed in some manner, or deteriorate over time and asbestos fibers are released into building air.

ACM can be found in a multitude of building products which include decorative and acoustical plaster texture, fire-proofing (Monokote), joint compound, attic and wall insulation, resilient floor covering, mastic, recessed lighting fixtures, wiring, elevator brakes, fire doors, pipe insulation, pipe gaskets, duct insulation, duct tape, siding and roofing materials (tar/shingles), textured paint, stucco, concrete, asphalt underlayment (Petromat) and plaster.

Local jurisdictions have specific laws and regulations regarding asbestos and actions including building renovations and building demolition.

- As there are no structures on the subject property, the potential for asbestos-containing building materials (ACMs) is considered to be low.

8.2 Lead-Based Paint

Although the use of lead-based paint in residential structures has been prohibited since 1978, it may still be used in commercial and industrial buildings. It is approximated that 80 percent of buildings built prior to 1978 contain lead paint. Even at low levels, lead poisoning can cause IQ deficiencies, reading and learning disabilities, impaired hearing, reduced attention spans, hyperactivity and other behavior problems with children under 6 years old being most at risk.

Lead is a highly toxic metal that was used for many years in products found in and around our homes and commercial buildings. Lead can be found in dust from friction surfaces of windows and doors that are painted with lead-based paint and from building components coated with lead-based paint that has begun peeling, flaking and chalking. There is also the potential for soil to have elevated lead levels due to leaching from lead based paint on nearby structures and deposition of airborne lead when leaded fuel was in use prior to the 1976 ban and phase out.

Since the 1980's, lead has been phased out in gasoline, reduced in drinking water, reduced in industrial air pollution, and banned or has been limited in use in consumer products.

Between the local, State and Federal agencies, including the Environmental Protection Agency (EPA), Department of Housing and Urban Development (HUD), Occupational Safety & Health Administration (OSHA) and the California Department of Public Health (CDPH), each state has various action limits that have been enacted with the intent to prevent human exposure and contamination of the surrounding environment.

- As there are no structures on the subject property, the potential for lead-based paint is considered to be low.

8.3 Radon

Radon is a radioactive gas that has been found in structures all over the United States. Radon is produced from the natural breakdown of uranium in soil, rock, and water. Radon typically moves up through the ground and into structures through cracks and other holes in the foundation. Movement of radon through the earth is strongly influenced by moisture content and permeability of soil, porosity, and degree of fracturing in rocks, as well as surface meteorological conditions. High levels of radon have been discovered in every state.

Radon cannot be seen, smelled, or tasted. Breathing air-containing radon may increase the risk of getting lung cancer. The Surgeon General of the United States has warned that radon is the second leading cause of lung cancer in the United States today after smoking.

Testing for the presence of radon is fairly inexpensive, simple and is the only way to be certain of the on-site concentrations. Various types of sampling methods exist to determine the concentration. On-site radon sampling was not performed during the completion of this assessment.

- Based on research by the United States Environmental Protection Agency (USEPA), the average radon concentrations for Riverside County are between 2.0 and 4.0 picocuries per liter (pCi/L), which is below the 4.0 pCi/L action level set by the USEPA; however, site-specific radon levels vary greatly within the USEPA radon zones and on-site radon measurements would need to be collected in order to determine the radon levels at the subject property.

8.4 Wetlands

According to the Clean Water Act, a wetland is “those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions.” Wetland areas have been identified as ecologically diverse and sensitive areas and are generally subject to more stringent development, re-development, and building regulations.

- The U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory was reviewed to determine if the subject property is situated within an identified wetland. According to the USFWS, the subject property is not located within a wetland area.

8.5 Mold

Mold and mildew are simple, microscopic organisms in the Fungi kingdom that can grow virtually anywhere if they have adequate moisture, nutrients, air and appropriate temperatures. Depending on the particular mold or fungus, growing colonies can be almost any color. Most household molds and fungi (mildews) are white, black, grey, or brown colored. Spores of dozens of kinds of mold and fungus (mildew) are present at all times in indoor and outdoor air. These spores can settle, germinate and grow wherever good growth conditions are found. They can grow on soil, plants, dead plant materials, foods, fabrics, paper, wood and many other materials found within buildings. Many molds are not harmful and actually have a beneficial role in the environment and in living systems. In soil, molds play a crucial part in decomposition of organic matter and in making nutrients available to plants.

When mold and fungi (mildews) growth occurs in buildings, it can be very destructive to the materials on which they grow and cause high levels of airborne mold spores and volatile organic compounds associated with the characteristic musty / moldy odor. They cause staining, decomposition (rotting of materials) and objectionable, musty odors. Where colonies are extensive they can also produce enough spores, and by-products to be harmful to health. Many of the by-products of mold and fungus (mildew) are irritating to skin, eyes and respiratory tracts. Some molds produce true allergic sensitization and allergic reactions in susceptible people. Some molds produce toxic by-products that could be harmful to skin, and poisonous if ingested or inhaled in quantity. Persons with compromised immune systems may even experience systemic fungal infections of the respiratory tract.

- As there are no structures on the subject property, a mold inspection was not conducted as part of this assessment.

8.6 Methane Gas

In response to growing concern regarding methane intrusion into buildings and to the potential for methane build-up underneath buildings, certain municipalities have established methane requirements for structures based on the proximity to oil wells and landfills. If a subject property is located in the proximity of active or abandoned oil wells or landfills, methane mitigation devices installed prior to construction activities at a subject property may be necessary.

- Based on our research, the property is not known to be located in proximity (within 1,000 feet) to any active or abandoned oil wells or landfills. Therefore, the potential for methane risk at the subject property is considered low.

9.0 FINDINGS

EFI Global, Inc. has performed a Phase I Environmental Site Assessment (Phase I) and Limited Soil Investigation for Murow Development Consultants (Client) for a agricultural property located at the southeast corner of Victoria Avenue and La Sierra Avenue, in Riverside County, and the City of Riverside, California, Assessor's Parcel Number: 136-220-016. The research conducted for this study and the report prepared are in conformance with the United States Environmental Protection Agency (USEPA) All Appropriate Inquiry (AAI) standard and the American Society for Testing and Materials (ASTM) E 1527-13 scope of work.

9.1 CONCLUSIONS

EFI Global, Inc. has performed a Phase I Environmental Site Assessment and Limited Soil Investigation in conformance with the scope and limitations of ASTM Practice 1527-13, for a vacant property located at the southeast corner of Victoria Avenue and La Sierra Avenue, Riverside, California, the subject property. Any exceptions to or deletions from this practice are described in the individual sections of this report. This assessment has revealed no evidence of recognized environmental conditions or *de minimis* conditions in connection with the subject property, except for the following:

Recognized Environmental Condition (REC)

In our opinion, no RECs were identified during the course of this assessment.

Historical Recognized Environmental Condition (HREC)

In our opinion, no HRECs were identified during the course of this assessment.

Controlled Recognized Environmental Condition (CREC)

In our opinion, no CRECs were identified during the course of this assessment.

De Minimis Condition

The low levels of OCPs and arsenic detected in near-surface soils as part of our Limited Soil Investigation are considered to be a *de minimis condition* for the subject property. However, EFI Global notes that based on the subject property's historical agricultural use, it is possible that buried/concealed/hidden agricultural by-products, both above and below ground may have existed or exists on the subject property. Any buried trash/debris or other waste encountered during future subject property development should be evaluated by an experienced environmental consultant prior to removal. If stained or suspicious soil is encountered during future grading operations, the material should be evaluated and if deemed necessary, characterized for property disposal.

9.2 RECOMMENDATIONS

Based on the foregoing, no additional investigation is recommended at this time.

10.0 SIGNATURES

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By: Date: December 19, 2019



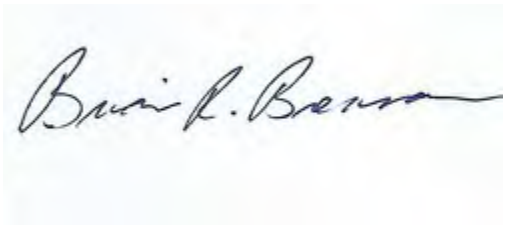
Kevin Ballesteros
Project Manager



Raul Gaina
Project Manager

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

Reviewed By: Date: December 19, 2019



Brian Brennan
Senior Project Manager

11.0 REFERENCES

ASTM, 2013. Subcommittee E50.2 Commercial Real Estate Transactions, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process", Designation E1527-13, West Conshohocken, PA 35pp.

ASTM, 2015. Subcommittee E50.2 on Real Estate Assessment and Management, "Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions", Designation E2600-15, West Conshohocken, PA 34pp.

Environmental Data Resources, Inc., 2019. The EDR – Radius Map with GeoCheck®, Inquiry No. 5889186.2s, Shelton CT, 104 pp.

Environmental Data Resources, Inc., 2019. The EDR – City Directory Abstract, Inquiry No. 5889186.5, Shelton CT, 21 pp.

Environmental Data Resources, Inc., 2019. Certified Sanborn® Map Report, Inquiry No. 5889186.3, Shelton CT, 2 pp.

Environmental Data Resources, Inc., 2019. The EDR Aerial Photo Decade Package, Inquiry No. 5889186.8, Shelton CT, 16 pp.

Environmental Data Resources, Inc. 2019. The EDR – Historical Topographic Map Report (Riverside West, California 7.5 minute), Inquiry No. 5889186.4, Shelton CT, 12 pp.

California Department of Conservation, Division of Mines and Geology - http://gmw.consrv.ca.gov

California Department of Conservation, California Geologic Survey - http://www.consrv.ca.gov/CGS

California Department of Water Resources, Individual Basin Descriptions -http://www.groundwater.water.ca.gov/bulletin118

DTSC Hazardous Waste Tracking System (HWTS) Reports - http://hwts.dtsc.ca.gov/report_list.cfm

Department of Toxic Substances Control, DTSC, 2008, *Interim Guidance to Sampling Agricultural Properties (Third Revision)*, dated August 7.

Department of Toxic Substances Control (DTSC), Human Health Risk (HERO), 2019, *Human Health Risk Assessment (HHRA), Note 3; DTSC-Modified Screening Levels (DTSC-SLs)*, dated April.

Environmental Protection Agency (EPA), Region IX, 2019, *Regional Screening Levels (RSLs) – Generic Tables (November 2019)*

EnviroStor- http://www.envirostor.dtsc.ca.gov/public/

GeoTracker - http://geotracker.waterboards.ca.gov/

Google Earth - http://earth.google.com/

RealQuest- http://www.realquest.com/jsp/rq.jsp?action=switch&page=main

Riverside County Information Technology (RCIT) - https://gis.countyofriverside.us/Html5Viewer/?viewer=MMC_Public

Riverside County Office of the Assessor - https://www.asrclkrec.com/

Wetlands Mapper - https://www.fws.gov/wetlands/Data/Mapper.htm

South Coast Air Quality Management District Facility Information Detail System (FIND) - http://www3.aqmd.gov/webappl/fim/prog/search.aspx

California Integrated Water Quality System (CIWQS) Storm Water Multiple Applications and Report Tracking System (SMARTS) - https://smarts.waterboards.ca.gov/smarts/SwPublicUserMenu.xhtml

DOGGR - https://maps.conservation.ca.gov/doggr/wellfinder/#close

Pacific Coast Title Company (Order No. 10130083) - Preliminary Report - Vacant Land APN: 136-220-016, Riverside, California 92503 - dated October 15, 2019

APPENDIX I

ILLUSTRATIONS

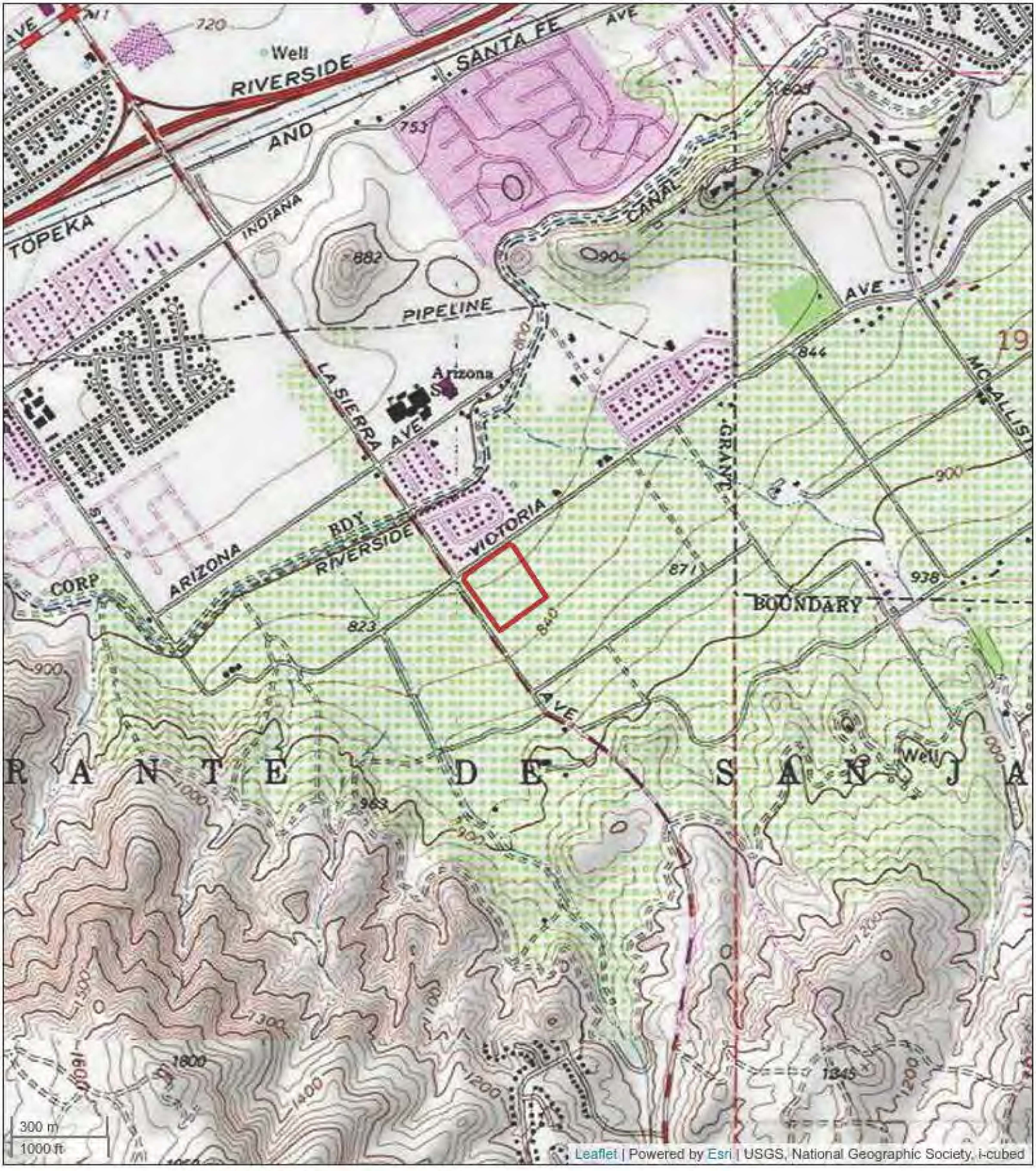


Figure 1: TOPOGRAPHIC MAP

southeast corner of Victoria Avenue and La Sierra Avenue, Riverside, California 92503

Murow Development Consultants

EFI Project Number: 045.02270



Figure 2: SITE LOCATION MAP

southeast corner of Victoria Avenue and La Sierra Avenue, Riverside, California 92503

Murow Development Consultants

EFI Project Number: 045.02270

efi global



LEGEND

PROPERTY LINE

B18 SOIL BORING

T POLE MOUNTED TRANSFORMER

T PAD MOUNTED TRANSFORMER

N

APPROX. SCALE: 1"=150'

0 75' 150'

IMAGE SOURCE: GOOGLE EARTH, 8/2018

SITE PLAN

APN: 136-220-016,
RIVERSIDE, CA 92503

efi global

PN:045.02270	FIGURE
DT: 12/17/2019	3
DB:HM CB:KB	

K:\AE 2019\Projects 2019\045 Projects 2019\045.02270_Southeast Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503_PHI\045.02270_CAD\045.02270_SitePlan

APPENDIX II

PHOTOS



Photo 1: View of subject property looking northwest.



Photo 2: View of subject property looking west.



Photo 3: View of subject property looking north.



Photo 4: View of subject property looking north.



Photo 5: View of windmill.



Photo 6: Representative view of orchard.



Photo 7: Representative view of orchard.



Photo 8: Representative view of orchard.



Photo 9: View of pole-mounted transformers.



Photo 10: View of pad-mounted transformer.



Photo 11: View of subject property looking south.



Photo 12: View of northern boundary of subject property looking southwest.



Photo 13: View of western boundary of subject property looking northeast.



Photo 14: View of northeast adjacent property.



Photo 15: View of northeast adjacent property.

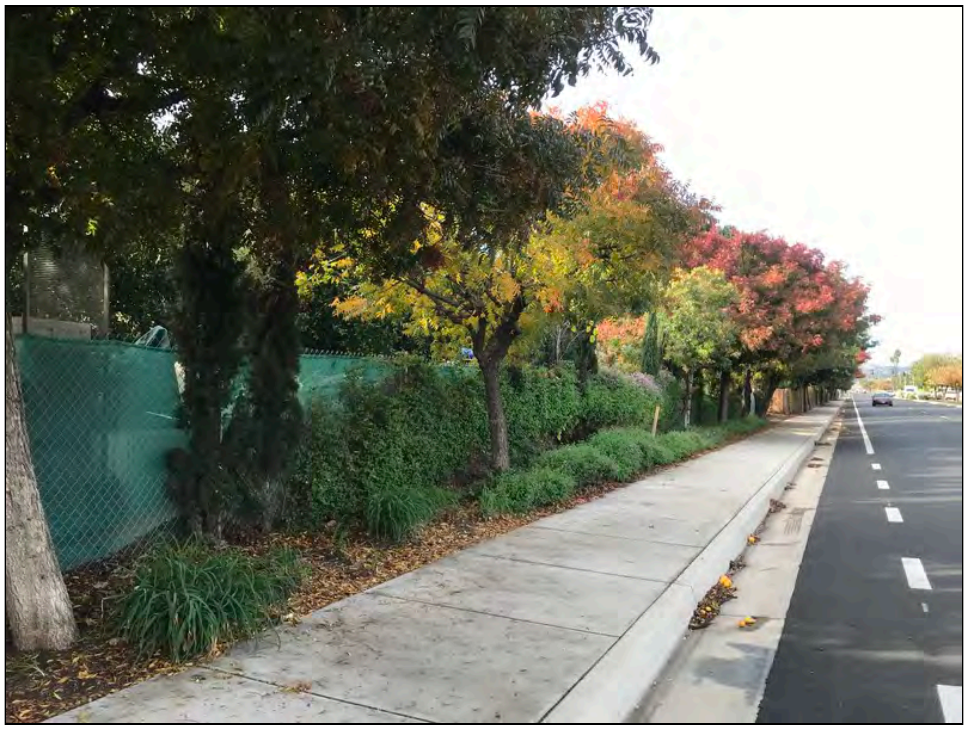


Photo 16: View of southeast adjacent property.



Photo 17: View of northwest adjacent property.

APPENDIX III

RADIUS MAP REPORT

045.02270_southeast Corner of Victoria Ave. and LA
Southeast Corner of Victoria Ave. and LA Sierra Ave
Riverside, CA 92503

Inquiry Number: 5889186.2s
December 02, 2019

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	25
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-12
Physical Setting Source Map Findings	A-14
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2019 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

SOUTHEAST CORNER OF VICTORIA AVE. AND LA SIERRA AVE
RIVERSIDE, CA 92503

COORDINATES

Latitude (North):	33.8875110 - 33° 53' 15.03''
Longitude (West):	117.4617820 - 117° 27' 42.41''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	457298.2
UTM Y (Meters):	3749585.5
Elevation:	826 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5641332 RIVERSIDE WEST, CA
Version Date:	2012
South Map:	5636475 LAKE MATHEWS, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140603
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
SOUTHEAST CORNER OF VICTORIA AVE. AND LA SIERRA AVE
RIVERSIDE, CA 92503

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	TTM 36713	INTERSECTION OF LA S	NPDES, CERS		TP
A2	TTM 36713	INTERSECTION OF LA S	CIWQS		TP
B3	ERWIN FAMILY LLC	2292 LA SIERRA AVENU	LUST	Higher	1177, 0.223, SSE
B4	ERWIN FAMILY RANCH	2292 LA SIERRA AVE.	UST	Higher	1177, 0.223, SSE
B5	ERWIN FAMILY LLC	2292 LA SIERRA AVENU	LUST	Higher	1177, 0.223, SSE
B6	ERWIN FAMILY LLC	2292 LA SIERRA AVE\	LUST, CERS	Higher	1177, 0.223, SSE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
TTM 36713 INTERSECTION OF LA S RIVERSIDE, CA 92503	NPDES Facility Status: Active CERS	N/A
TTM 36713 INTERSECTION OF LA S RIVERSIDE, CA 92503	CIWQS	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-LQG ..... RCRA - Large Quantity Generators
RCRA-SQG ..... RCRA - Small Quantity Generators
RCRA-VSQG ..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ..... Land Use Control Information System
US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ..... State Response Sites

State- and tribal - equivalent CERCLIS

ENVIROSTOR ..... EnviroStor Database

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

SWF/LF ..... Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land
CPS-SLIC ..... Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST ..... Underground Storage Tank Listing
AST ..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST ..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

VCP ..... Voluntary Cleanup Program Properties
INDIAN VCP ..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS ..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT ..... Waste Management Unit Database
SWRCY ..... Recycler Database
HAULERS ..... Registered Waste Tire Haulers Listing
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands
ODI ..... Open Dump Inventory
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ..... Delisted National Clandestine Laboratory Register
HIST Cal-Sites ..... Historical Calsites Database
SCH ..... School Property Evaluation Program
CDL ..... Clandestine Drug Labs
Toxic Pits ..... Toxic Pits Cleanup Act Sites
CERS HAZ WASTE ..... CERS HAZ WASTE
US CDL ..... National Clandestine Laboratory Register
PFAS ..... PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

SWEEPS UST ..... SWEEPS UST Listing
HIST UST ..... Hazardous Substance Storage Container Database
CERS TANKS ..... California Environmental Reporting System (CERS) Tanks
CA FID UST ..... Facility Inventory Database

Local Land Records

LIENS ..... Environmental Liens Listing
LIENS 2 ..... CERCLA Lien Information
DEED ..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System
CHMIRS ..... California Hazardous Material Incident Report System
LDS ..... Land Disposal Sites Listing
MCS ..... Military Cleanup Sites Listing
SPILLS 90 ..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR ..... RCRA - Non Generators / No Longer Regulated
FUDS ..... Formerly Used Defense Sites
DOD ..... Department of Defense Sites
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ..... Financial Assurance Information
EPA WATCH LIST ..... EPA WATCH LIST
2020 COR ACTION ..... 2020 Corrective Action Program List
TSCA ..... Toxic Substances Control Act
TRIS ..... Toxic Chemical Release Inventory System
SSTS ..... Section 7 Tracking Systems

EXECUTIVE SUMMARY

ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
HAZNET	Facility and Manifest Data
ICE	ICE
HIST CORTESE	Hazardous Waste & Substance Site List
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)

PROD WATER PONDS PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ Well Stimulation Project (GEOTRACKER)
MINES MRDS Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants
EDR Hist Auto EDR Exclusive Historical Auto Stations
EDR Hist Cleaner EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF Recovered Government Archive Solid Waste Facilities List
RGA LUST Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ERWIN FAMILY LLC	2292 LA SIERRA AVENU	SSE 1/8 - 1/4 (0.223 mi.)	B3	15
Database: LUST REG 8, Date of Government Version: 02/14/2005 Facility Status: Leak being confirmed Global ID: T0606599277				
ERWIN FAMILY LLC	2292 LA SIERRA AVENU	SSE 1/8 - 1/4 (0.223 mi.)	B5	17
Database: RIVERSIDE CO. LUST, Date of Government Version: 07/10/2019				

Facility Id: 200016790
Facility Status: 9

ERWIN FAMILY LLC ***2292 LA SIERRA AVE*** ***SSE 1/8 - 1/4 (0.223 mi.)*** ***B6*** ***17***
Database: LUST, Date of Government Version: 09/09/2019
Status: Completed - Case Closed
Global Id: T0606599277

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ERWIN FAMILY RANCH	2292 LA SIERRA AVE.	SSE 1/8 - 1/4 (0.223 mi.)	B4	17

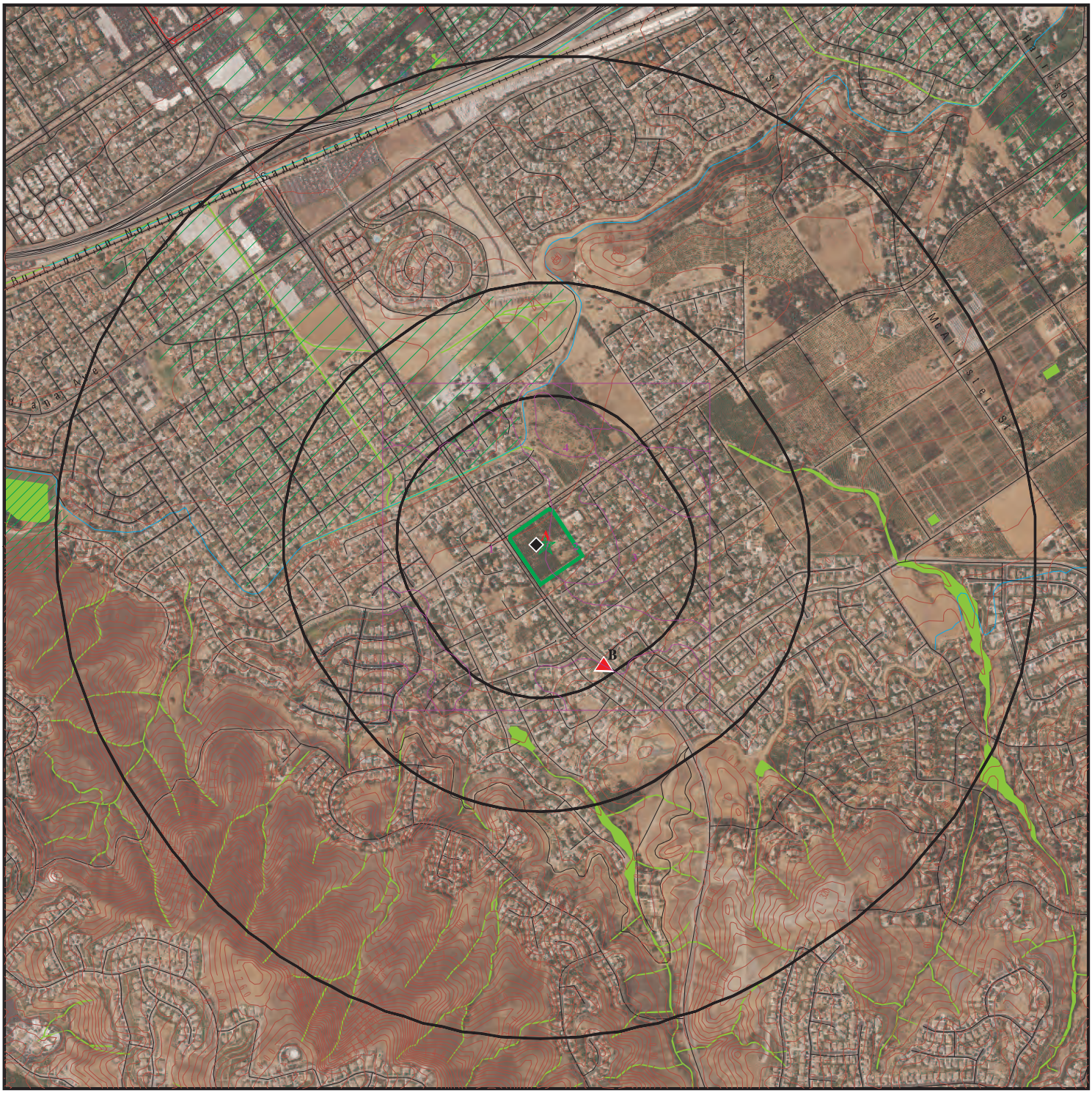
Database: UST CLOSURE, Date of Government Version: 09/06/2019

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

Site Name	Database(s)
	CDL
	CDL
	CDL
	CDL

OVERVIEW MAP - 5889186.2S



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

100-year flood zone

500-year flood zone

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:	045.02270_southeast Corner of Victoria Ave. and LA	CLIENT:	EFI Global Inc.
ADDRESS:	Southeast Corner of Victoria Ave. and LA Sierra Ave Riverside CA 92503	CONTACT:	Lauren Corbet
		INQUIRY #:	5889186.2s
LAT/LONG:	33.887511 / 117.461782	DATE:	December 02, 2019 4:30 pm

Copyright © 2019 EDR, Inc. © 2015 TomTom Rel. 2015.

DETAIL MAP - 5889186.2S



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

100-year flood zone

500-year flood zone

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:	045.02270_southeast Corner of Victoria Ave. and LA	CLIENT:	EFI Global Inc.
ADDRESS:	Southeast Corner of Victoria Ave. and LA Sierra Ave Riverside CA 92503	CONTACT:	Lauren Corbet
		INQUIRY #:	5889186.2s
LAT/LONG:	33.887511 / 117.461782	DATE:	December 02, 2019 4:32 pm

Copyright © 2019 EDR, Inc. © 2015 TomTom Rel. 2015.

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	3	0	NR	NR	3

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	1	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP	1	NR	NR	NR	NR	NR	1
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP	1	NR	NR	NR	NR	NR	1
CERS	TP	1	NR	NR	NR	NR	NR	1
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		3	0	4	0	0	0	7

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **TTM 36713** **NPDES** **S121024054**
Target **INTERSECTION OF LA SIERRA AVE AND VICTORIA AVE** **CERS** **N/A**
Property **RIVERSIDE, CA 92503**

Site 1 of 2 in cluster A

Actual:
824 ft.

NPDES:

Name:	TTM 36713
Address:	INTERSECTION OF LA SIERRA AVE AND VICTORIA AVE
City,State,Zip:	RIVERSIDE, CA 92503
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 33C379764
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	05/09/2017
Operator Name:	La Sierra VIctoria Development LLC
Operator Address:	19215 wild mustang court
Operator City:	apple valley
Operator State:	California
Operator Zip:	92307

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	485872
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 33C379764
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/09/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	La Sierra VIctoria Development LLC
Discharge Address:	19215 wild mustang court
Discharge City:	apple valley
Discharge State:	California
Discharge Zip:	92307
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported

TTM 36713 (Continued) **S121024054**

Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported

TTM 36713 (Continued) **S121024054**

Region:	8
Regulatory Measure ID:	485872
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	8 33C379764
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2017
Processed Date:	05/09/2017
Status:	Active
Status Date:	05/09/2017
Place Size:	8.81
Place Size Unit:	Acres
Contact:	Hitesh Patel
Contact Title:	Managing Member
Contact Phone:	760-963-3475
Contact Phone Ext:	Not reported
Contact Email:	development@westcoasthotelsgroup.com
Operator Name:	La Sierra VIctoria Development LLC
Operator Address:	19215 wild mustang court
Operator City:	apple valley
Operator State:	California
Operator Zip:	92307
Operator Contact:	Hitesh Patel
Operator Contact Title:	Managing Member
Operator Contact Phone:	760-963-3475
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	development@westcoasthotelsgroup.com
Operator Type:	Private Business
Developer:	La Sierra VIctoria Development LLC
Developer Address:	19215 wild mustang court
Developer City:	apple valley
Developer State:	California
Developer Zip:	92307
Developer Contact:	Hitesh Patel
Developer Contact Title:	Managing Member
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported

TTM 36713 (Continued) **S121024054**

Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	Y
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	Y
Receiving Water Name:	Santa Ana River
Certifier:	Hitesh Patel
Certifier Title:	Managing Member
Certification Date:	09-MAY-17
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	TTM 36713
Address:	INTERSECTION OF LA SIERRA AVE AND VICTORIA AVE
City,State,Zip:	RIVERSIDE, CA 92503
Facility Status:	Active
NPDES Number:	CAS000002
Region:	8
Agency Number:	0
Regulatory Measure ID:	485872
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	8 33C379764
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/09/2017
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	19215 wild mustang court
Discharge Name:	La Sierra VIctoria Development LLC
Discharge City:	apple valley
Discharge State:	California
Discharge Zip:	92307
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	485872
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 33C379764
Program Type:	Construction

TTM 36713 (Continued) **S121024054**

Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/09/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	La Sierra VIctoria Development LLC
Discharge Address:	19215 wild mustang court
Discharge City:	apple valley
Discharge State:	California
Discharge Zip:	92307
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported

TTM 36713 (Continued) **S121024054**

Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	485872
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	8 33C379764
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2017
Processed Date:	05/09/2017
Status:	Active
Status Date:	05/09/2017
Place Size:	8.81
Place Size Unit:	Acres
Contact:	Hitesh Patel
Contact Title:	Managing Member
Contact Phone:	760-963-3475
Contact Phone Ext:	Not reported
Contact Email:	development@westcoasthotelsgroup.com
Operator Name:	La Sierra VIctoria Development LLC
Operator Address:	19215 wild mustang court
Operator City:	apple valley
Operator State:	California
Operator Zip:	92307
Operator Contact:	Hitesh Patel
Operator Contact Title:	Managing Member
Operator Contact Phone:	760-963-3475
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	development@westcoasthotelsgroup.com
Operator Type:	Private Business
Developer:	La Sierra VIctoria Development LLC
Developer Address:	19215 wild mustang court
Developer City:	apple valley
Developer State:	California
Developer Zip:	92307
Developer Contact:	Hitesh Patel
Developer Contact Title:	Managing Member

TTM 36713 (Continued) **S121024054**

Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	Y
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	Y
Receiving Water Name:	Santa Ana River
Certifier:	Hitesh Patel
Certifier Title:	Managing Member
Certification Date:	09-MAY-17
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CERS:

Name:	TTM 36713
Address:	INTERSECTION OF LA SIERRA AVE AND VICTORIA AVE
City,State,Zip:	RIVERSIDE, CA 92503
Site ID:	545205
CERS ID:	854961
CERS Description:	Construction Storm Water

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-03-2018
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	Weather was partly cloudy. Land undisturbed; construction not started yet.
Eval Division:	Water Boards
Eval Program:	CONSTW
Eval Source:	SMARTS

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	La Sierra VIctoria Development LLC
Entity Title:	Operator
Affiliation Address:	19215 wild mustang court
Affiliation City:	apple valley
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92307

TTM 36713 (Continued) **S121024054**

Affiliation Phone: Not reported

A2 **TTM 36713** **CIWQS** **S120712380**
Target **INTERSECTION OF LA SIERRA AVE AND VICTORIA AVE** **N/A**
Property **RIVERSIDE, CA 92503**

Site 2 of 2 in cluster A

Actual:
824 ft.

CIWQS:

Name:	TTM 36713
Address:	INTERSECTION OF LA SIERRA AVE AND VICTORIA AVE
City,State,Zip:	RIVERSIDE, CA 92503
Agency:	La Sierra VIctoria Development LLC
Agency Address:	19215 wild mustang court, Apple Valley, CA 92307
Place/Project Type:	Construction - Residential
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 33C379764
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	05/09/2017
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.887564
Longitude:	-117.46214

B3 **ERWIN FAMILY LLC** **LUST** **S105050705**
SSE **2292 LA SIERRA AVENUE** **N/A**
1/8-1/4 **RIVERSIDE, CA 92501**
0.223 mi.
1177 ft. **Site 1 of 4 in cluster B**

Relative:
Higher

Actual:
883 ft.

LUST REG 8:

Name:	ERWIN FAMILY LLC
Address:	2292 LA SIERRA AVENUE
City:	RIVERSIDE
Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Leak being confirmed
Case Number:	083303801T
Local Case Num:	200016790
Case Type:	Undefined
Substance:	Gasoline
Qty Leaked:	Not reported

ERWIN FAMILY LLC (Continued) **S105050705**

Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	Tank
Global ID:	T0606599277
How Stopped Date:	Not reported
Enter Date:	Not reported
Date Confirmation of Leak Began:	11/22/2000
Date Preliminary Assessment Began:	Not reported
Discover Date:	11/22/2000
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.883674
Longitude:	-117.459572
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	RS
Staff Initials:	SCB
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UNNAMED BASIN
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Haz Mat incident report filed

B4 **ERWIN FAMILY RANCH** **UST** **U004271398**
SSE **2292 LA SIERRA AVE.** **N/A**
1/8-1/4 **RIVERSIDE, CA 92503**
0.223 mi.
1177 ft. **Site 2 of 4 in cluster B**

Relative: **Higher**
Actual: **883 ft.**

UST CLOSURE:

Name:	ERWIN FAMILY RANCH
Address:	2292 LA SIERRA AVE.
City,State,Zip:	RIVERSIDE, CA 92503
Claim Number:	Claim No. 16230
Type:	Closure Denials and Approved Orders
Deadline Date:	2013-07-31 00:00:00
Documents:	Notice, Draft Exec Order | Final Closure Review Summary
Comments:	Not reported
Comments URL:	Not reported
Response:	Not reported
Response URL:	Not reported
Comments2:	Not reported
Comments2 URL:	Not reported
Response2:	Not reported
Response2 URL:	Not reported
Closure:	WQO 2013-0062-UST (08/06/2013)
Closure URL:	https://geotracker.waterboards.ca.gov/regulators/deliverable_documents /5157290399/16230 Final Order WQ 2013-0062.pdf
Uniform:	Uniform Closure Letter (08/11/2014)
Uniform URL:	https://geotracker.waterboards.ca.gov/regulators/deliverable_documents /4575838983/16230.pdf

---

B5 **ERWIN FAMILY LLC** **LUST** **S104857692**
SSE **2292 LA SIERRA AVENUE** **N/A**
1/8-1/4 **RIVERSIDE, CA**
0.223 mi.
1177 ft. **Site 3 of 4 in cluster B**

Relative: **Higher**
Actual: **883 ft.**

RIVERSIDE CO. LUST:

Name:	ERWIN FAMILY LLC
Address:	2292 LA SIERRA AVENUE
City,State,Zip:	RIVERSIDE, CA
Region:	RIVERSIDE
Facility ID:	200016790
Employee:	Shurlow-LOP
Site Closed:	Yes
Case Type:	Drinking Water Aquifer affected
Facility Status:	closed/action completed
Casetype Decode:	An Aquifer used for Drinking Water supply has been contaminated.
Fstatus Decode:	Closed/Action completed

B6 **ERWIN FAMILY LLC** **LUST** **S113482315**
SSE **2292 LA SIERRA AVE\\ (11100 BLOCK CORNERSTONE RD)** **CERS** **N/A**
1/8-1/4 **RIVERSIDE, CA 92503**
0.223 mi.
1177 ft. **Site 4 of 4 in cluster B**

Relative: **Higher**
Actual: **883 ft.**

LUST:

Name:	ERWIN FAMILY LLC
Address:	2292 LA SIERRA AVE\\ (11100 BLOCK CORNERSTONE RD)
City,State,Zip:	RIVERSIDE, CA 92503

ERWIN FAMILY LLC (Continued) **S113482315**

Lead Agency:	RIVERSIDE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606599277
Global Id:	T0606599277
Latitude:	33.8821420217277
Longitude:	-117.460054797623
Status:	Completed - Case Closed
Status Date:	08/11/2014
Case Worker:	Not reported
RB Case Number:	083303801T
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	200016790
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	***Data prior to 2005 does not appear in GeoTracker. Consult agency file for all site data*** Three underground gasoline storage tanks, one 550 gallon tank (T-1) and two 5000 gallon tanks (T-2,T-3) were removed during August 7, 2000. Hydrocarbon impact was found under the tanks. Soil in the 6 to 10 foot depth interval was excavated at the Tank I location. Soil in the 14 to 24 foot depth interval was excavated at the Tank 2 and Tank 3 locations. A total of approximately 246 cubic yards of gasoline contaminated soil was transported for offsite disposal at the Safety Clean Buttonwillow facility. Between November 2000 and May 2004 a total of 1 5 groundwater monitoring wells (MW-1 to MW-15), 2 soil borings (SB1, SB2) and 3 vapor wells (VW1 to VW3) were installed at the site. Elevated gasoline hydrocarbon concentrations in soil were detected at wells MW1, MW2, MW6, MW8, MW16, VW2, and VW3 to a maximum of 1660 ppm TPHg, 8.5 ppm B, 90.7 ppm T, 28.4 ppm E, and 165 ppm X. In October 2004, monitoring well MW3 was destroyed to permit construction of a concrete driveway for the residence on this lot. Between December 2000 and May 2002, free floating product (gasoline) in well MW2 was periodically hand bailed and stored onsite. Up to 29 of free product had been present. Free product has not been recorded in this well since February 2002. In December 2002, a soil vapor survey and risk evaluation was preformed. A total of ten soil vapor samples were collected and did not record the volatile constituents benzene, toluene, ethylbenzene and xylenes. A remedial vapor extraction system (VES) with an air injection component connected to site Monitoring/vapor wells was operated between January, 2004 and November 2005. Laboratory analysis of vapor samples from the vapor extraction system and individual wells had recorded a general decrease and stabilization of hydrocarbon concentrations from 7215 ppmv TPHg and 335 ppmv B to 428 ppmv TPHg and 3.5 ppmv B. Over 9000 pounds of gasoline hydrocarbon were recovered. In February 2006, MW9 and MW10 were destroyed. In June 2006, 3 additional gw monitoring wells (MW16 and MW17) were installed. MW18 was attempted but hit refusal before encountering gw, so it was named SB3. Up to 2130 ppm TPHg, 1.57 ppm B, 113 ppm T, 39.1 ppm E, and 234.2 ppm X were detected in the soil. Confirmation borings CSBMW2 (VW4) and CSBMW8 were completed 6/15/06. Up to 321 ppm TPHg, 0.002 ppm B, 1.66 ppm T, 1.34 ppm E and 11.9 ppm X were detected in the soil. Remedial pumping of the groundwater from wells MW2, MW16 and WV4 was performed once a month from June 2006 and December 2007. A total of 1035 gallons of groundwater was recovered. Biosparging began October 2007 and ended on September 1, 2011. Biosparging was conducted through sparge points

ERWIN FAMILY LLC (Continued) **S113482315**

placed into 15 existing wells (MW1, MW2, MW4, MW5, MW7, MW8, MW12, MW14 through MW17, VW1 through VW4). Biosparging occurred in cycle durations of 30 minutes three times a day. A 30 day SVE event was performed from April to May, 2008. TPHg went from 541 ppmv to 83 ppmv. Benzene went from 12.1 to 2.7 ppmv. Quarterly groundwater monitoring has been conducted from November 2000 to June 2012. Water levels have fluctuated from 18.79 to 47.37 feet bgs and are currently 33.41 to 42.91 feet bgs. Groundwater flow has been consistently to the northwest. Up to 29 inches of free product was present in MW2 and free product recovery was conducted from December 2000 until February 2002, when free product was no longer detected. In June, 2012, MW2 had 11000 ppb TPHg, 1570 ppb benzene, 294 ppb toluene, 516 ppb ethylbenzene, 2284 ppb xylenes, 6.08 ppb DIPE, 285 ppb TBA, 112 ppb naphthalene, 566 ppb 1,2,4-TMB, 135 ppb 1,3,5-TMB These levels increased in the first quarter 2011 from concentrations detected during fourth quarter 2010 when MW2 had 2700 ppb TPHg, 130 ppb benzene, 35 ppb toluene, 4 ppb ethylbenzene, 204 ppb xylenes, 62 ppb TBA, 4 ppb DIPE, and 25 ppb naphthalene. The groundwater depth had risen 2.51 feet during the same period. The levels decreased during the fourth quarter 2011 and first quarter 2012 and increased again during the second quarter 2012. Groundwater beneath the site is a shallow unconfined water body within very dense and decomposed granite overlying granitic bedrock. This groundwater is not suitable for use as drinking water as it is high in nitrates. Two current vacant lots (lots 23 and 24) are located where the former tanks and resultant soil and groundwater plumes were located. These lots will be developed once closure has been granted. The State Water Board determined the site was ready for closure and proceeded with measures to close the site. SWRCB issued closure letter August 11, 2014

LUST:
Global Id: T0606599277
Contact Type: Regional Board Caseworker
Contact Name: ROSE SCOTT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: rose.scott@waterboards.ca.gov
Phone Number: 9513206375

LUST:
Global Id: T0606599277
Action Type: ENFORCEMENT
Date: 02/03/2011
Action: Technical Correspondence / Assistance / Other - #RCDEH 020311

Global Id: T0606599277
Action Type: Other
Date: 10/05/2000
Action: Leak Discovery

Global Id: T0606599277
Action Type: RESPONSE
Date: 04/15/2011
Action: Monitoring Report - Annually

Global Id: T0606599277

ERWIN FAMILY LLC (Continued) **S113482315**

Action Type: ENFORCEMENT
Date: 12/28/2006
Action: Staff Letter - #RCDEH 122806

Global Id: T0606599277
Action Type: Other
Date: 07/18/2000
Action: Leak Stopped

Global Id: T0606599277
Action Type: RESPONSE
Date: 03/12/2013
Action: Request for Closure - Regulator Responded

Global Id: T0606599277
Action Type: RESPONSE
Date: 08/02/2014
Action: Request for Closure - Regulator Responded

Global Id: T0606599277
Action Type: REMEDIATION
Date: 10/01/2007
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0606599277
Action Type: REMEDIATION
Date: 01/03/2004
Action: Soil Vapor Extraction (SVE)

Global Id: T0606599277
Action Type: REMEDIATION
Date: 08/30/2000
Action: Excavation

Global Id: T0606599277
Action Type: REMEDIATION
Date: 06/01/2006
Action: Pump & Treat (P&T) Groundwater

Global Id: T0606599277
Action Type: REMEDIATION
Date: 12/01/2000
Action: Free Product Removal

Global Id: T0606599277
Action Type: ENFORCEMENT
Date: 12/10/2007
Action: File review

Global Id: T0606599277
Action Type: ENFORCEMENT
Date: 06/06/2008
Action: Technical Correspondence / Assistance / Other - #RCDEH060608

Global Id: T0606599277
Action Type: ENFORCEMENT
Date: 06/06/2008

ERWIN FAMILY LLC (Continued) **S113482315**

Action: Staff Letter - #RCDEH060608

Global Id: T0606599277
Action Type: ENFORCEMENT
Date: 11/22/2011
Action: Technical Correspondence / Assistance / Other - #RCDEH 112211

Global Id: T0606599277
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606599277
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606599277
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0606599277
Action Type: ENFORCEMENT
Date: 08/06/2013
Action: State Water Board Closure Order

Global Id: T0606599277
Action Type: Other
Date: 10/05/2000
Action: Leak Reported

Global Id: T0606599277
Action Type: RESPONSE
Date: 04/15/2012
Action: Monitoring Report - Annually

Global Id: T0606599277
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Quarterly

Global Id: T0606599277
Action Type: RESPONSE
Date: 10/15/2011
Action: Monitoring Report - Quarterly

Global Id: T0606599277
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Quarterly

Global Id: T0606599277
Action Type: ENFORCEMENT
Date: 04/04/2013
Action: File review - #Riv Co LOP site file

ERWIN FAMILY LLC (Continued) **S113482315**

Global Id: T0606599277
Action Type: ENFORCEMENT
Date: 05/30/2013
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0606599277
Action Type: ENFORCEMENT
Date: 05/30/2013
Action: Clean Up Fund - Letter to RP

Global Id: T0606599277
Action Type: ENFORCEMENT
Date: 08/10/2014
Action: File review - #RCDEH site summary

Global Id: T0606599277
Action Type: ENFORCEMENT
Date: 01/31/2005
Action: File review

Global Id: T0606599277
Action Type: RESPONSE
Date: 02/28/2007
Action: Other Report / Document

Global Id: T0606599277
Action Type: RESPONSE
Date: 06/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0606599277
Action Type: ENFORCEMENT
Date: 08/13/2009
Action: Staff Letter - #Riv Co 081209

Global Id: T0606599277
Action Type: ENFORCEMENT
Date: 07/15/2014
Action: Site Visit / Inspection / Sampling

Global Id: T0606599277
Action Type: RESPONSE
Date: 10/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0606599277
Action Type: RESPONSE
Date: 04/15/2010
Action: Monitoring Report - Annually

Global Id: T0606599277
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0606599277
Action Type: RESPONSE

ERWIN FAMILY LLC (Continued) **S113482315**

Date: 10/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0606599277
Action Type: RESPONSE
Date: 07/15/2008
Action: Other Report / Document

Global Id: T0606599277
Action Type: RESPONSE
Date: 07/30/2014
Action: Well Destruction Report

Global Id: T0606599277
Action Type: ENFORCEMENT
Date: 09/16/2009
Action: Technical Correspondence / Assistance / Other - #Riv Co 091609

Global Id: T0606599277
Action Type: ENFORCEMENT
Date: 08/11/2014
Action: Closure/No Further Action Letter

Global Id: T0606599277
Action Type: ENFORCEMENT
Date: 06/23/2011
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0606599277
Action Type: RESPONSE
Date: 05/03/2010
Action: Monitoring Report - Quarterly

Global Id: T0606599277
Action Type: RESPONSE
Date: 02/16/2014
Action: Well Destruction Report

Global Id: T0606599277
Action Type: ENFORCEMENT
Date: 03/18/2010
Action: Staff Letter - #RCDEH 031810

Global Id: T0606599277
Action Type: ENFORCEMENT
Date: 03/18/2010
Action: Technical Correspondence / Assistance / Other - #RCDEH 031810

Global Id: T0606599277
Action Type: ENFORCEMENT
Date: 07/30/2014
Action: File Review - Closure

Global Id: T0606599277
Action Type: ENFORCEMENT
Date: 04/23/2014
Action: Site Visit / Inspection / Sampling

ERWIN FAMILY LLC (Continued) **S113482315**

LUST:

Global Id:	T0606599277
Status:	Open - Case Begin Date
Status Date:	07/18/2000
Global Id:	T0606599277
Status:	Open - Site Assessment
Status Date:	07/18/2000
Global Id:	T0606599277
Status:	Open - Site Assessment
Status Date:	11/22/2000
Global Id:	T0606599277
Status:	Open - Remediation
Status Date:	01/01/2004
Global Id:	T0606599277
Status:	Open - Remediation
Status Date:	10/01/2007
Global Id:	T0606599277
Status:	Open - Eligible for Closure
Status Date:	03/27/2013
Global Id:	T0606599277
Status:	Completed - Case Closed
Status Date:	08/11/2014
Global Id:	T0606599277
Status:	Completed - Case Closed
Status Date:	08/11/2014

CERS:

Name:	ERWIN FAMILY LLC
Address:	2292 LA SIERRA AVE\\ (11100 BLOCK CORNERSTONE RD)
City,State,Zip:	RIVERSIDE, CA 92503
Site ID:	231131
CERS ID:	T0606599277
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	ROSE SCOTT - SANTA ANA RWQCB (REGION 8)
Entity Title:	Not reported
Affiliation Address:	3737 MAIN STREET, SUITE 500
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	9513206375

Count: 4 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
RIVERSIDE	S107539913		ON LA SIERRA, 1 MILE N OF CAJA	92503	CDL
RIVERSIDE	S107540231		PARKING LOT @ 3700 LA SIERRA	92505	CDL
RIVERSIDE	S107539475		N SIDE OF CAJALCO RD 1/2M W LA		CDL
RIVERSIDE COUNTY	S107541240		WINEVILLE, SW CORNER OF GAGELE		CDL

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: EPA
Telephone: N/A
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: EPA
Telephone: N/A
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: EPA
Telephone: N/A
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/04/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/13/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 14

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 07/29/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 07/29/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/12/2019
Date Data Arrived at EDR: 08/13/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 57

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/12/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30
Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29
Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 07/02/2019
Date Data Arrived at EDR: 10/16/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 8
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/12/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 79
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 20
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 58
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/27/2019
Date Data Arrived at EDR: 08/28/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 75
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 09/12/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 20

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/12/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 79

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 79

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 07/29/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/23/2019
Date Data Arrived at EDR: 09/24/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 59

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 03/26/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 34

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 11/01/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 07/29/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 09/24/2019
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 10/22/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/11/2019
Number of Days to Update: 70

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/22/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/29/2019
Date Data Arrived at EDR: 08/30/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 60

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
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: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 62

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 89

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 58

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/19/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/07/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/08/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 370

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 09/30/2018
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 106

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/23/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/25/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/21/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 14

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2019
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 34

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 10/07/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/20/2019
Date Data Arrived at EDR: 06/20/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 49

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 11/06/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 11/25/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/06/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 11/12/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 85

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2019
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 78

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/06/2019
Next Scheduled EDR Contact: 01/19/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/21/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 82

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/15/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/27/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 76

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/27/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 06/06/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 140
Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 09/12/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49
Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97
Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2019
Date Data Arrived at EDR: 09/10/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 37
Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/10/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 06/05/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 90
Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/10/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 07/06/2019
Date Data Arrived at EDR: 07/09/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 85
Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 10/08/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 83
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/19/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/23/2019
Date Data Arrived at EDR: 09/24/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 43
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 68
Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 55

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 08/28/2019
Date Data Arrived at EDR: 08/30/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 60

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 09/27/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 37

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 59

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/18/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/22/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 66

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 10/30/2019
Next Scheduled EDR Contact: 02/02/2020
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/30/2019
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/16/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 54

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 11/19/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/19/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/07/2019
Date Data Arrived at EDR: 10/08/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 30

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/08/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 62

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 08/12/2019
Date Data Arrived at EDR: 08/13/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 64

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/12/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 62

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/16/2019
Date Data Arrived at EDR: 09/18/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 49

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 11/18/2019
Number of Days to Update: 90
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 09/13/2018
Number of Days to Update: 64
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 58

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 62

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/22/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3
Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A
Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 10/03/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 34

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 09/10/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 51

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 08/05/2019
Date Data Arrived at EDR: 08/07/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 63

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/23/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/23/2019
Date Made Active in Reports: 10/22/2019
Number of Days to Update: 60

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 07/30/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 68

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 09/12/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 49

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 07/11/2019
Date Data Arrived at EDR: 07/11/2019
Date Made Active in Reports: 09/20/2019
Number of Days to Update: 71

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 10/09/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/08/2019
Date Data Arrived at EDR: 07/10/2019
Date Made Active in Reports: 09/20/2019
Number of Days to Update: 72

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 10/30/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 65

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/06/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 63

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 11/25/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 08/16/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/15/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/22/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 65

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 09/12/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 09/26/2019
Date Data Arrived at EDR: 10/04/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 34

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/15/2019
Date Data Arrived at EDR: 07/17/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 71

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/16/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/09/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/27/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 42

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 10/18/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/27/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/27/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 07/15/2019
Date Data Arrived at EDR: 07/17/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 19

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/09/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/27/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 64

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/22/2019
Date Data Arrived at EDR: 08/26/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 64

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 09/25/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/29/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 53

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 08/21/2019
Date Data Arrived at EDR: 09/03/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 58

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/25/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/30/2019
Number of Days to Update: 62

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 09/30/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/23/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 64

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 07/10/2019
Date Data Arrived at EDR: 08/07/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 63

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/10/2019
Date Data Arrived at EDR: 08/09/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 61

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/10/2019
Date Data Arrived at EDR: 08/06/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 64

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/05/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/05/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 61

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/10/2019
Date Data Arrived at EDR: 07/11/2019
Date Made Active in Reports: 09/20/2019
Number of Days to Update: 71

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 07/10/2019
Date Data Arrived at EDR: 07/11/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 74
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 08/06/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 37
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/01/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/07/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 11/08/2019
Number of Days to Update: 38
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/01/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 07/16/2019
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 09/24/2019
Number of Days to Update: 70
Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/29/2019
Date Data Arrived at EDR: 08/30/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 60
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 62

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/16/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/30/2019
Number of Days to Update: 69

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 11/25/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
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: 08/01/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 67

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/11/2019
Next Scheduled EDR Contact: 12/29/2019
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/25/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 07/30/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 67

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/25/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 08/28/2019
Date Data Arrived at EDR: 08/30/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 60

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 06/18/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 29

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 36

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 07/18/2019
Date Data Arrived at EDR: 07/18/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 70

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/29/2019
Date Data Arrived at EDR: 09/03/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 64

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 65

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 08/12/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 64

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/29/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 09/30/2019
Number of Days to Update: 63

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/21/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/25/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 05/29/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 09/30/2019
Number of Days to Update: 63

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/21/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 07/26/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 09/25/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 30

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 09/25/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 07/26/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 69

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/14/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 83

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/11/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/09/2019
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/06/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

045.02270_SOUTHEAST CORNER OF VICTORIA AVE. AND LA
SOUTHEAST CORNER OF VICTORIA AVE. AND LA SIERRA AVE
RIVERSIDE, CA 92503

TARGET PROPERTY COORDINATES

Latitude (North):	33.887511 - 33° 53' 15.04''
Longitude (West):	117.461782 - 117° 27' 42.42''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	457298.2
UTM Y (Meters):	3749585.5
Elevation:	826 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5641332 RIVERSIDE WEST, CA
Version Date:	2012
South Map:	5636475 LAKE MATHEWS, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

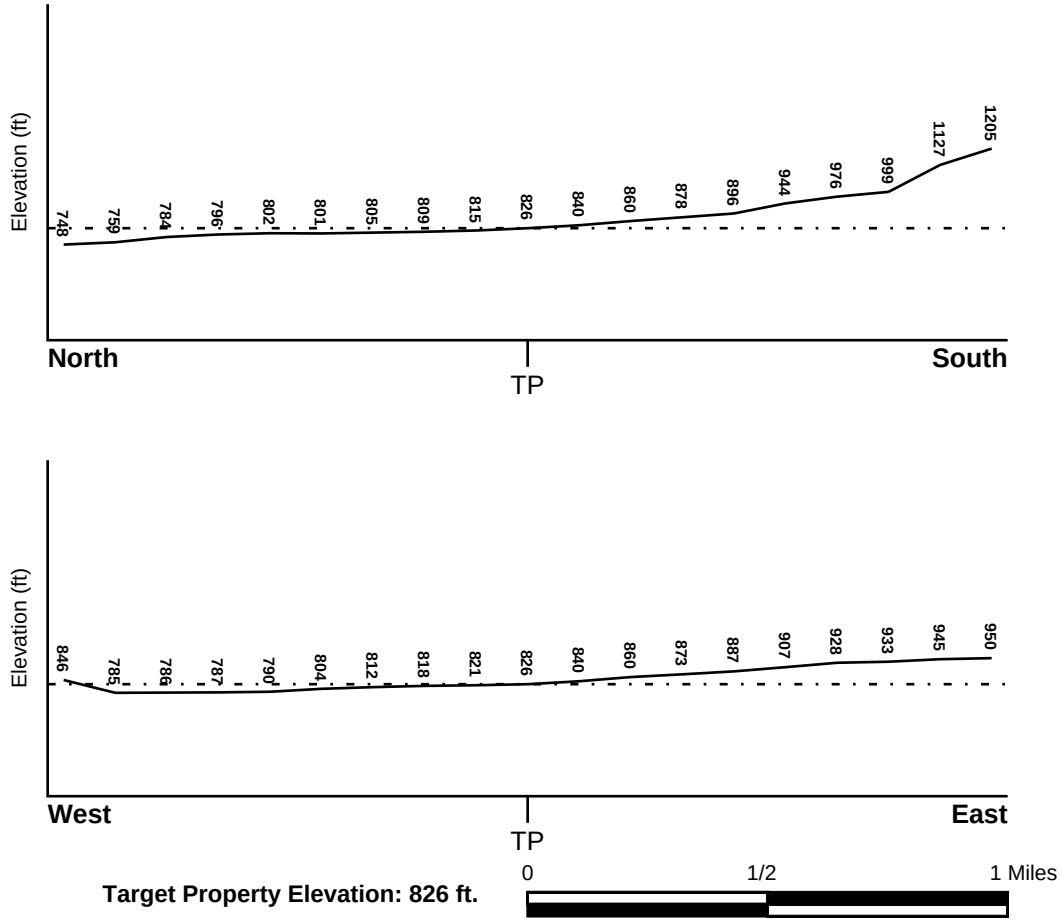
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06065C0715G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06065C1380G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NOT AVAILABLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

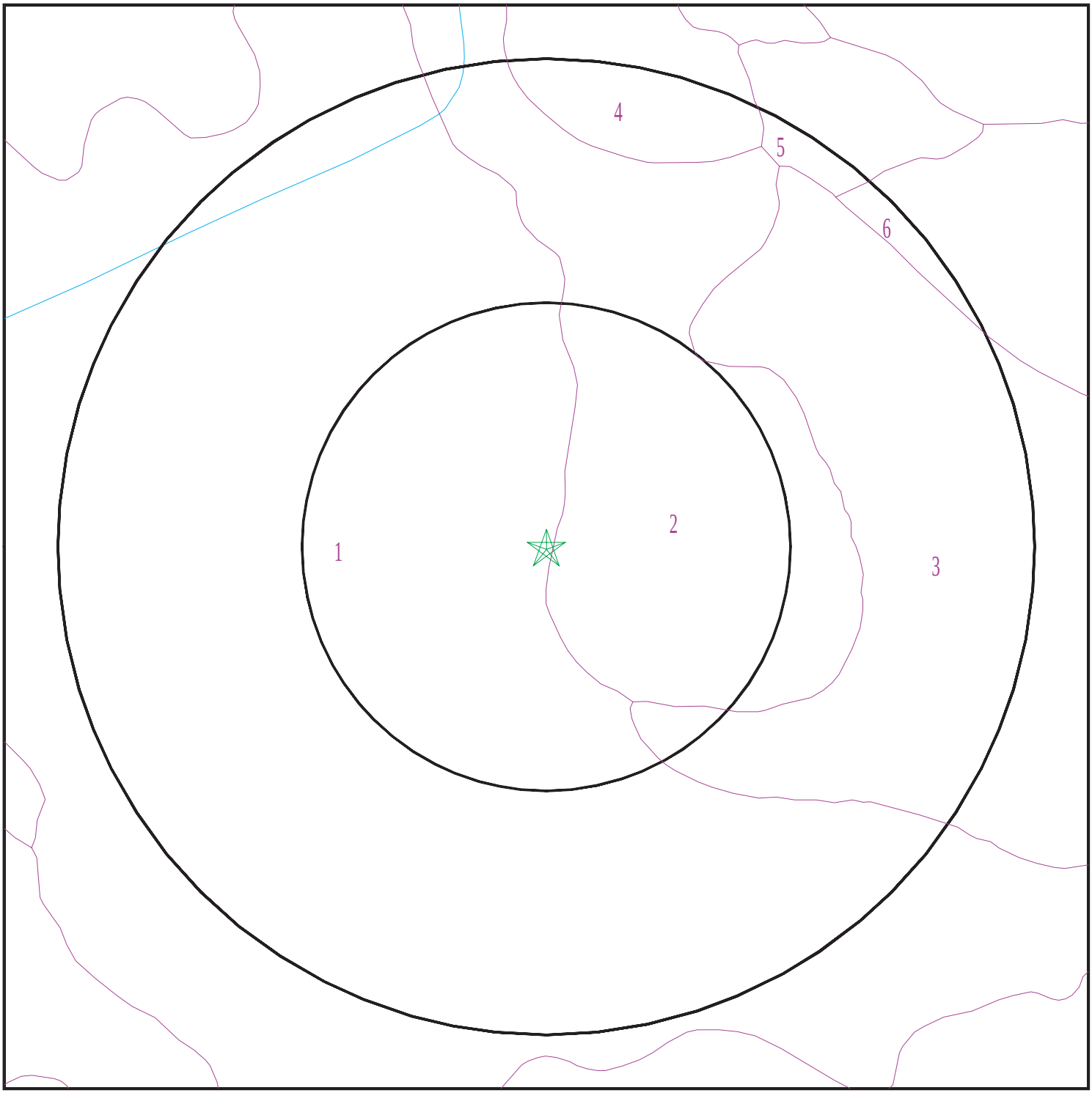
Era:	Mesozoic
System:	Cretaceous
Series:	Cretaceous granitic rocks
Code:	Kg *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 5889186.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	045.02270_southeast Corner of Victoria Ave. and LA	CLIENT:	EFI Global Inc.
ADDRESS:	Southeast Corner of Victoria Ave. and LA Sierra Ave Riverside CA 92503	CONTACT:	Lauren Corbet
LAT/LONG:	33.887511 / 117.461782	INQUIRY #:	5889186.2s
		DATE:	December 02, 2019 4:32 pm

Copyright © 2019 EDR, Inc. © 2015 TomTom Rel. 2015.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: HANFORD

Soil Surface Texture: coarse sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	coarse sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 5.6
2	7 inches	40 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 5.6
3	40 inches	59 inches	stratified loamy sand to coarse sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 5.6

Soil Map ID: 2

Soil Component Name: GREENFIELD

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	25 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 6.6
2	25 inches	42 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 6.6
3	42 inches	59 inches	loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 6.6
4	59 inches	72 inches	stratified loamy sand to sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 6.6

Soil Map ID: 3

Soil Component Name: ARLINGTON

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.6
2	11 inches	50 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.6
3	50 inches	59 inches	cemented	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.6
4	59 inches	70 inches	coarse sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.6

Soil Map ID: 4

Soil Component Name: RAMONA

Soil Surface Texture: sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.4
2	9 inches	29 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.4
3	29 inches	59 inches	stratified loam to clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.4

Soil Map ID: 5

Soil Component Name: BUCHENAU

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:
2	9 inches	51 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:
3	51 inches	61 inches	cemented	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:

Soil Map ID: 6

Soil Component Name: BUREN

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:
2	11 inches	27 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:
3	27 inches	37 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:
4	37 inches	57 inches	cemented	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

No PWS System Found

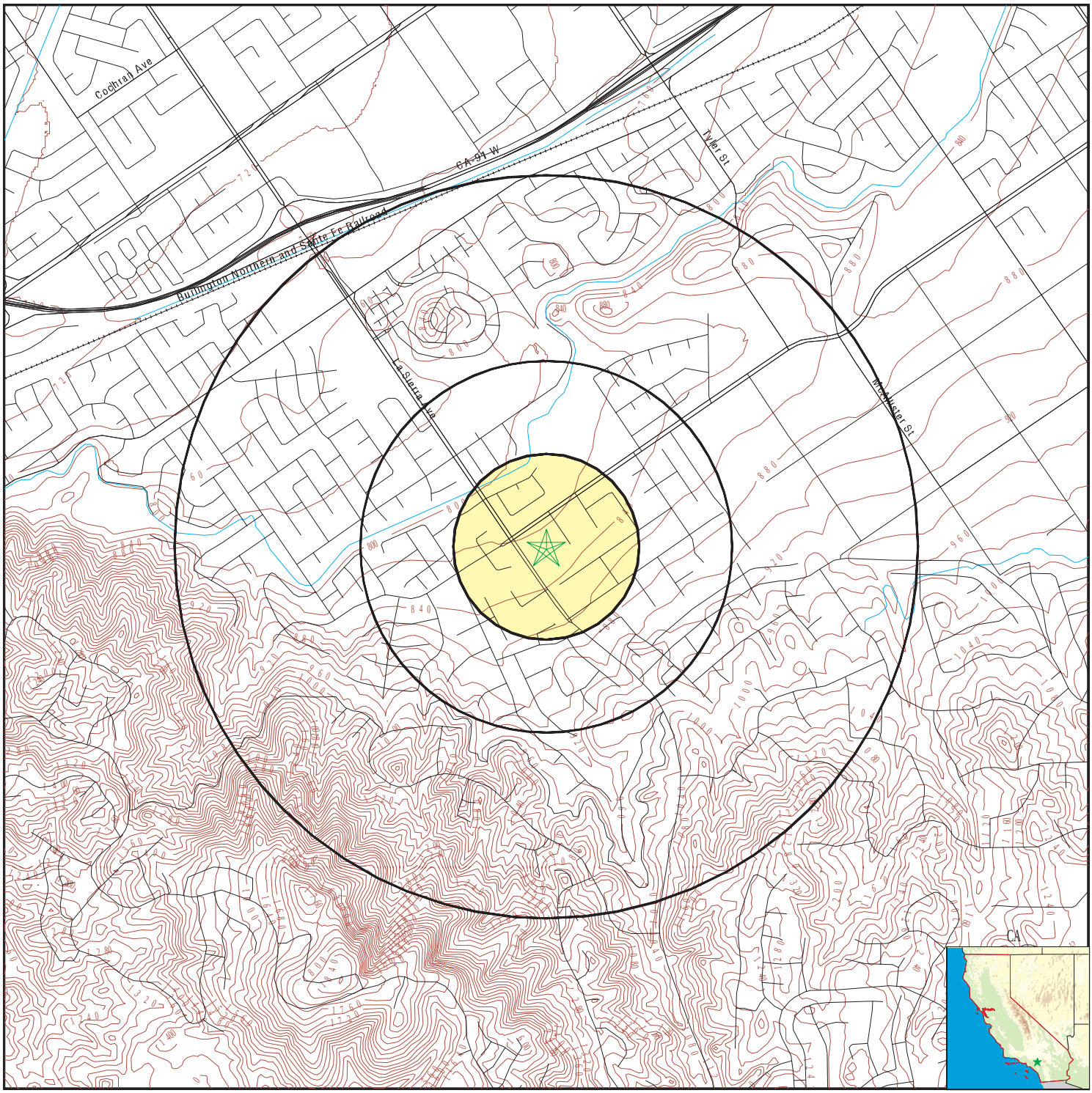
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

No Wells Found

PHYSICAL SETTING SOURCE MAP - 5889186.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	045.02270_southeast Corner of Victoria Ave. and LA	CLIENT:	EFI Global Inc.
ADDRESS:	Southeast Corner of Victoria Ave. and LA Sierra Ave Riverside CA 92503	CONTACT:	Lauren Corbet
		INQUIRY #:	5889186.2s
LAT/LONG:	33.887511 / 117.461782	DATE:	December 02, 2019 4:32 pm

Copyright © 2019 EDR, Inc. © 2015 TomTom Rel. 2015.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92503	17	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 Zip Code: 92503

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	-0.500 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

APPENDIX IV

LIMITED SOIL INVESTIGATION DOCUMENTATION

Table 1: Organochlorine Pesticides in Soil
Agricultural Property
Southeast Corner of Victoria Avenue and La Sierra Avenue, Riverside, California 92503

Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Type	EPA Method 8081A				
				alpha-Chlordane	4,4´-DDD	4,4´-DDE	4,4´-DDT	Dieldrin
				(µg/kg)				
B1-S-0.5, B2-S-0.5, B3-S-0.5	11/26/19	0-0.5	Composite	331	8.90	578	396	18.4
B4-S-0.5, B5-S-0.5, B6-S-0.5, B7-S-0.5	11/26/19	0-0.5	Composite	21.4	6.20	490	171	19.9
B8-S-0.5, B9-S-0.5, B10-S-0.5, B11-S-0.5	11/26/19	0-0.5	Composite	154	7.87	464	163	18.0
B12-S-0.5, B13-S-0.5, B14-S-0.5	11/26/19	0-0.5	Composite	110	11.4	491	253	34
B15-S-0.5, B16-S-0.5, B17-S-0.5, B18-S-0.5	11/26/19	0-0.5	Composite	18.8	8.55	222	88.1	20.1
Residential DTSC-SL				1,700	2,300	2,000	1,900	34

Notes:
EPA = United States Environmental Protection Agency
µg/kg = micrograms per kilogram
ft bgs = feet below ground surface
ND = Not Detected above laboratory detection limit
DTSC-SL = Department of Toxic Substances Control (DTSC), Human Health Risk (HERO), 2019, “Human Health Risk Assessment (HHRA), Note 3; DTSC-Modified Screening Levels (DTSC-SLs)”, dated April.

Table 2: Arsenic in Soil
Agricultural Property
Southeast Corner of Victoria Avenue and La Sierra Avenue, Riverside, California 92503

Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Type	EPA Method 6010B
				Arsenic
				mg/kg
B1-S-0.5	12/5/2019	0-0.5	Discrete	**2.9**
B5-S-0.5	12/5/2019	0-0.5	Discrete	**2.53**
B10-S-0.5	12/5/2019	0-0.5	Discrete	**2.41**
B14-S-0.5	12/5/2019	0-0.5	Discrete	**3.41**
B16-S-0.5	12/5/2019	0-0.5	Discrete	**2.17**
Residential DTSC-SL				**0.11**
Chernoff et al. Background Concentration[1]				**12**

Notes:

EPA = United States Environmental Protection Agency

mg/kg = milograms per kilogram

ft bgs = feet below ground surface

DTSC-SL = Department of Toxic Substances Control (DTSC), Human Health Risk (HERO), 2019, “Human Health Risk Assessment (HHRA), Note 3; DTSC-Modified Screening Levels (DTSC-SLs)”, dated April.

[1]Chernoff G., Bosan W. and Oudiz D., Determination of a Southern California Regional Background Arsenic Concentration in Soil.

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

December 13, 2019

Mr. Brian R. Brennan
EFI Global
5261 West Imperial Highway
Los Angeles, CA 90045

Report No.: 1912273
Project Name: 045.02270 - SE Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503

Dear Mr. Brian R. Brennan,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on December 05, 2019.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

D Sanchez
Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

EFI Global
5261 West Imperial Highway
Los Angeles, CA 90045

File #:74354
Report Date: 12/13/19
Submitted: 12/05/19
PLS Report No.: 1912273

Attn: Mr. Brian R. Brennan Phone: (310) 854-6300 FAX:(310) 854-0199

Project: 045.02270 - SE Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503

Sample ID: B1-S-0.5 Soil (1912273-01) Sampled: 12/05/19 13:20 Received: 12/05/19 15:29

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Arsenic	**2.90**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/10/19	12/10/19	CG	BL91051

Sample ID: B5-S-0.5 Soil (1912273-02) Sampled: 12/05/19 12:40 Received: 12/05/19 15:29

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Arsenic	**2.53**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/10/19	12/10/19	CG	BL91051

Sample ID: B10-S-0.5 Soil (1912273-03) Sampled: 12/05/19 11:50 Received: 12/05/19 15:29

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Arsenic	**2.41**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/10/19	12/10/19	CG	BL91051

Sample ID: B14-S-0.5 Soil (1912273-04) Sampled: 12/05/19 11:10 Received: 12/05/19 15:29

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Arsenic	**3.41**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/10/19	12/10/19	CG	BL91051

Sample ID: B16-S-0.5 Soil (1912273-05) Sampled: 12/05/19 10:50 Received: 12/05/19 15:29

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Arsenic	**2.17**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/10/19	12/10/19	CG	BL91051

Sample ID: B1-S-0.5, B2-S-0.5, B3-S-0.5 Composite Soil (1912273-06) Sampled: 12/05/19 13:20 Received: 12/05/19 15:29

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
alpha-Chlordane	**331**		20	ug/kg	80.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
4,4´-DDD	**8.90**		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
4,4´-DDE	**578**		20	ug/kg	160	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
4,4´-DDT	**396**		20	ug/kg	160	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Dieldrin	**18.4**		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endrin ketone	ND		1	ug/kg	12.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Methoxychlor	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*64.6 %*			*55-126*		*EPA 3550C*	*EPA 8081A*	*12/10/19*	*12/12/19*	*al*	*BL91301*
Surrogate: Decachlorobiphenyl	*64.0 %*			*49-133*		*EPA 3550C*	*EPA 8081A*	*12/10/19*	*12/12/19*	*al*	*BL91301*

Sample ID: B4-S-0.5, B5-S-0.5, B6-S-0.5, B7-S-0.5 Composite Soil (1912273-07) Sampled: 12/05/19 12:50 Received: 12/05/19 15:29

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

EFI Global
5261 West Imperial Highway
Los Angeles, CA 90045

File #:74354
Report Date: 12/13/19
Submitted: 12/05/19
PLS Report No.: 1912273

Attn: Mr. Brian R. Brennan Phone: (310) 854-6300 FAX:(310) 854-0199

Project: 045.02270 - SE Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503

Sample ID: B4-S-0.5, B5-S-0.5, B6-S-0.5, B7-S-0.5 Composite Soil (1912273-07) Sampled: 12/05/19 12:50 Received: 12/05/19 15:29

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
alpha-Chlordane	**21.4**		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
4,4'-DDD	**6.20**		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
4,4'-DDE	**490**		20	ug/kg	160	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
4,4'-DDT	**171**		20	ug/kg	160	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Dieldrin	**19.9**		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endrin ketone	ND		1	ug/kg	12.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Methoxychlor	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*76.3 %*			*55-126*		*EPA 3550C*	*EPA 8081A*	*12/10/19*	*12/12/19*	*al*	*BL91301*
Surrogate: Decachlorobiphenyl	*76.8 %*			*49-133*		*EPA 3550C*	*EPA 8081A*	*12/10/19*	*12/12/19*	*al*	*BL91301*

Sample ID: B8-S-0.5, B9-S-0.5, B10-S-0.5, B11-S-0.5 Composite Soil (1912273-08) Sampled: 12/05/19 12:10 Received: 12/05/19 15:29

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
alpha-Chlordane	**154**		20	ug/kg	80.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
4,4'-DDD	**7.87**		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
4,4'-DDE	**464**		20	ug/kg	160	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
4,4'-DDT	**163**		20	ug/kg	160	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Dieldrin	**18.0**		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endrin ketone	ND		1	ug/kg	12.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Methoxychlor	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*62.4 %*			*55-126*		*EPA 3550C*	*EPA 8081A*	*12/10/19*	*12/12/19*	*al*	*BL91301*

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

EFI Global
5261 West Imperial Highway
Los Angeles, CA 90045

File #:74354
Report Date: 12/13/19
Submitted: 12/05/19
PLS Report No.: 1912273

Attn: Mr. Brian R. Brennan Phone: (310) 854-6300 FAX:(310) 854-0199

Project: 045.02270 - SE Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503

Sample ID: B8-S-0.5, B9-S-0.5, B10-S-0.5, B11-S-0.5 Composite Soil (1912273-08) Sampled: 12/05/19 12:10 Received: 12/05/19 15:29

Surrogate: Decachlorobiphenyl	*50.1 %*			*49-133*		*EPA 3550C*	*EPA 8081A*	*12/10/19*	*12/12/19*	*al*	*BL91301*

Sample ID: B12-S-0.5, B13-S-0.5, B14-S-0.5 Composite Soil (1912273-09) Sampled: 12/05/19 11:30 Received: 12/05/19 15:29

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
alpha-Chlordane	**110**		20	ug/kg	80.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
4,4'-DDD	**11.4**		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
4,4'-DDE	**491**		20	ug/kg	160	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
4,4'-DDT	**253**		20	ug/kg	160	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Dieldrin	**34.0**		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endrin ketone	ND		1	ug/kg	12.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Heptachlor	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Heptachlor epoxide	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Methoxychlor	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Toxaphene	ND		1	ug/kg	60.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*55.2 %*			*55-126*		*EPA 3550C*	*EPA 8081A*	*12/10/19*	*12/12/19*	*al*	*BL91301*
Surrogate: Decachlorobiphenyl	*102 %*			*49-133*		*EPA 3550C*	*EPA 8081A*	*12/10/19*	*12/12/19*	*al*	*BL91301*

Sample ID: B15-S-0.5, B16-S-0.5, B17-S-0.5, B18-S-0.5 Composite Soil (1912273-10) Sampled: 12/05/19 11:00 Received: 12/05/19 15:29

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
alpha-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
beta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
delta-BHC	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
gamma-BHC (Lindane)	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
alpha-Chlordane	**18.8**		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
gamma-Chlordane	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
4,4'-DDD	**8.55**		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
4,4'-DDE	**222**		5	ug/kg	40.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
4,4'-DDT	**88.1**		5	ug/kg	40.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Dieldrin	**20.1**		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endosulfan I	ND		1	ug/kg	8.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endosulfan II	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endosulfan sulfate	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endrin	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Technical Chlordane	ND		1	ug/kg	20.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Endrin aldehyde	ND		1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

EFI Global
5261 West Imperial Highway
Los Angeles, CA 90045

File #:74354
Report Date: 12/13/19
Submitted: 12/05/19
PLS Report No.: 1912273

Attn: Mr. Brian R. Brennan Phone: (310) 854-6300 FAX:(310) 854-0199

Project: 045.02270 - SE Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503

Sample ID: B15-S-0.5, B16-S-0.5, B17-S-0.5, B18-S-0.5 Composite Soil (1912273-10) Sampled: 12/05/19 11:00 Received: 12/05/19 15:29

Endrin ketone	ND	1	ug/kg	12.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Heptachlor	ND	1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Heptachlor epoxide	ND	1	ug/kg	4.00	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Methoxychlor	ND	1	ug/kg	20.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Toxaphene	ND	1	ug/kg	60.0	EPA 3550C	EPA 8081A	12/10/19	12/12/19	al	BL91301
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*68.4 %*		*55-126*		*EPA 3550C*	*EPA 8081A*	*12/10/19*	*12/12/19*	*al*	*BL91301*
Surrogate: Decachlorobiphenyl	*56.2 %*		*49-133*		*EPA 3550C*	*EPA 8081A*	*12/10/19*	*12/12/19*	*al*	*BL91301*

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

EFI Global
5261 West Imperial Highway
Los Angeles, CA 90045

Attn: Mr. Brian R. Brennan Phone: (310) 854-6300 FAX:(310) 854-0199

File #:74354
Report Date: 12/13/19
Submitted: 12/05/19
PLS Report No.: 1912273

Project: 045.02270 - SE Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BL91301 - EPA 3550C										
Blank	**Prepared: 12/10/19 Analyzed: 12/12/19**									
Aldrin	ND	2.00	ug/kg							
alpha-BHC	ND	2.00	ug/kg							
beta-BHC	ND	2.00	ug/kg							
delta-BHC	ND	2.00	ug/kg							
gamma-BHC (Lindane)	ND	2.00	ug/kg							
alpha-Chlordane	ND	2.00	ug/kg							
gamma-Chlordane	ND	2.00	ug/kg							
4,4'-DDD	ND	2.00	ug/kg							
4,4'-DDE	ND	4.00	ug/kg							
4,4'-DDT	ND	4.00	ug/kg							
Dieldrin	ND	2.00	ug/kg							
Endosulfan I	ND	4.00	ug/kg							
Endosulfan II	ND	2.00	ug/kg							
Endosulfan sulfate	ND	2.00	ug/kg							
Endrin	ND	2.00	ug/kg							
Technical Chlordane	ND	10.0	ug/kg							
Endrin aldehyde	ND	2.00	ug/kg							
Endrin ketone	ND	6.00	ug/kg							
Heptachlor	ND	2.00	ug/kg							
Heptachlor epoxide	ND	2.00	ug/kg							
Methoxychlor	ND	10.0	ug/kg							
Toxaphene	ND	30.0	ug/kg							
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*9.83*		ug/kg	*12.50*		*78.7*	*55-126*			
Surrogate: Decachlorobiphenyl	*9.16*		ug/kg	*12.50*		*73.3*	*49-133*			
LCS	**Prepared: 12/10/19 Analyzed: 12/12/19**									
Aldrin	6.09	2.00	ug/kg	10.00		60.9	56-130			
gamma-BHC (Lindane)	6.89	2.00	ug/kg	10.00		68.9	56-133			
4,4'-DDT	8.26	4.00	ug/kg	10.00		82.6	56-133			
Dieldrin	8.24	2.00	ug/kg	10.00		82.4	62-119			
Endrin	8.30	2.00	ug/kg	10.00		83.0	59-127			
Heptachlor	7.77	2.00	ug/kg	10.00		77.7	55-110			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*9.11*		ug/kg	*12.50*		*72.9*	*54-108*			
Surrogate: Decachlorobiphenyl	*7.48*		ug/kg	*12.50*		*59.9*	*54-127*			
Matrix Spike **Source: 1912273-07**	**Prepared: 12/10/19 Analyzed: 12/12/19**									
Aldrin	6.17	2.00	ug/kg	10.00	ND	61.7	39-124			
gamma-BHC (Lindane)	6.34	2.00	ug/kg	10.00	ND	63.4	44-120			
4,4'-DDT	191	4.00	ug/kg	25.00	171	80.3	48-150			
Dieldrin	37.2	2.00	ug/kg	25.00	19.9	69.4	48-144			
Endrin	21.3	2.00	ug/kg	25.00	ND	85.3	54-149			

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

EFI Global
5261 West Imperial Highway
Los Angeles, CA 90045

File #:74354
Report Date: 12/13/19
Submitted: 12/05/19
PLS Report No.: 1912273

Attn: Mr. Brian R. Brennan Phone: (310) 854-6300 FAX:(310) 854-0199

Project: 045.02270 - SE Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BL91301 - EPA 3550C										
Heptachlor	6.27	2.00	ug/kg	10.00	ND	62.7	46-135			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*8.71*		ug/kg	*12.50*		*69.7*	*55-126*			
Surrogate: Decachlorobiphenyl	*7.11*		ug/kg	*12.50*		*56.9*	*49-133*			
Matrix Spike Dup Source: 1912273-07	**Prepared: 12/10/19 Analyzed: 12/12/19**									
Aldrin	6.17	2.00	ug/kg	10.00	ND	61.7	39-124	0.00	30	
gamma-BHC (Lindane)	7.18	2.00	ug/kg	10.00	ND	71.8	44-120	12.4	30	
4,4'-DDT	218	4.00	ug/kg	25.00	171	187	48-150	80.0	30	V-3
Dieldrin	37.4	2.00	ug/kg	25.00	19.9	70.0	48-144	0.889	30	
Endrin	22.9	2.00	ug/kg	25.00	ND	91.6	54-149	7.13	30	
Heptachlor	6.93	2.00	ug/kg	10.00	ND	69.3	46-135	9.88	30	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*9.72*		ug/kg	*12.50*		*77.8*	*55-126*			
Surrogate: Decachlorobiphenyl	*7.84*		ug/kg	*12.50*		*62.7*	*49-133*			
Batch BL91051 - EPA 3050B										
Blank	**Prepared & Analyzed: 12/10/19**									
Arsenic	ND	2.00	mg/kg							
LCS	**Prepared & Analyzed: 12/10/19**									
Arsenic	50.6	2.00	mg/kg	49.97		101	80-120			
Matrix Spike Source: 1912330-02	**Prepared & Analyzed: 12/10/19**									
Arsenic	55.2	2.00	mg/kg	49.97	6.90	96.7	75-125			
Matrix Spike Dup Source: 1912330-02	**Prepared & Analyzed: 12/10/19**									
Arsenic	56.7	2.00	mg/kg	49.97	6.90	99.6	75-125	2.95	30	

Notes and Definitions

V-3	Amount spiked was less than 1/4 of concentration in the sample.
NA	Not Applicable
ND	Analyte NOT DETECTED at or above the detection limit
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Authorized Signature(s)

efi global

EFI Global
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain-of-Custody Record

19T223

Analytical Laboratory: Positive Lab		Geotracker Global ID:
Project Number:	PN 045.02270	NA
Project Address:	SE Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503	
Project Manager:	Brian Brennan	
Sampled by:	Raul Gaina	
Phone:	310-854-6300	
Email:	raul.gaina@efiglobal.com; Brian.Brennan@EFIGLOBAL.com	

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time	Method: Arsenic, EPA Method 6010B	Method: OCPs EPA Method 8081A	Container: Composite	Container: Hold	Container: 4- or 8-ounce Glass	Container: Acetate Sleve	Container: Plastic Bag	Container: VOAs (by EPA 5035)	Container: Summa Canister	Container: Tedlar Bag	Turnaround Time: Normal / Standard	Turnaround Time: 72 Hour	Turnaround Time: 48 Hours	Turnaround Time: 24 Hours
1	B1-S-0.5		X			X			X				12/05/19	1320	X				X						✓			
2	B2-S-0.5		X			X			X				12/05/19	1310		X	X		X									
3	B3-S-0.5		X			X			X				12/05/19	1300					X									
4	B4-S-0.5		X			X			X				12/05/19	1250					X									
5	B5-S-0.5		X			X			X				12/05/19	1240	X	X	X		X									
6	B6-S-0.5		X			X			X				12/05/19	1230					X									
7	B7-S-0.5		X			X			X				12/05/19	1220					X									
8	B8-S-0.5		X			X			X				12/05/19	1210					X									
9	B9-S-0.5		X			X			X				12/05/19	1200		X	X		X									
10	B10-S-0.5		X			X			X				12/05/19	1150	X				X									
11	B11-S-0.5		X			X			X				12/05/19	1140					X									
12	B12-S-0.5		X			X			X				12/05/19	1130					X									
13	B13-S-0.5		X			X			X				12/05/19	1120		X	X		X									
14	B14-S-0.5		X			X			X				12/05/19	1110	X				X									
15	B15 ~~B16~~ S-0.5		X			X			X				12/05/19	1100					X									
16	B16 ~~B17~~ S-0.5		X			X			X				12/05/19	1050	X	X	X		X									
17	B17 ~~B18~~ S-0.5		X			X			X				12/05/19	1040					X									
18	B18 ~~B18~~ S-0.5		X			X			X				12/05/19	1030					X						✓			
19																												
20																												
21																												

Relinquished by	Date	Time	Received by	Date	Time	Remarks
RAUL GAINA	12/05/19	3:29		12/5/19	3:29	0.6°C

APPENDIX V

SUPPORTING DOCUMENTATION

045.02270_southeast Corner of Victoria Ave. and LA

Southeast Corner of Victoria Ave. and LA Sierra Av

Riverside, CA 92503

Inquiry Number: 5889186.3

December 02, 2019

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/02/19

Site Name:

045.02270_southeast Corner o
Southeast Corner of Victoria A\
Riverside, CA 92503
EDR Inquiry # 5889186.3

Client Name:

EFI Global Inc.
5261 West Imperial Highway
Los Angeles, CA 90045
Contact: Lauren Corbet

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by EFI Global Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 53A7-47AF-AA2A

PO # NA

Project 045.02270

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 #: 53A7-47AF-AA2A

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

EFI Global Inc. (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.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2019 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

045.02270_southeast Corner of Victoria Ave. and LA
Southeast Corner of Victoria Ave. and LA Sierra Av
Riverside, CA 92503

Inquiry Number: 5889186.5
December 02, 2019

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

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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.

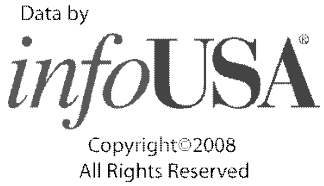
Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1921 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified 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	EDR Digital Archive	-	X	X	-
2010	EDR Digital Archive	-	X	X	-
2005	EDR Digital Archive	-	X	X	-
2002	SBC PACIFIC BELL	-	X	X	-
2001	Haines & Company, Inc.	-	X	X	-
1996	Pacific Bell	-	X	X	-
1993	Pacific Bell	-	-	-	-
1990	Pacific Bell	-	X	X	-
1986	Pacific Bell Yellow Pages	-	X	X	-
1981	Pacific Telephone	-	X	X	-
1977	Pacific Telephone	-	X	X	-
1970	Pacific Telephone	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1967	Luskey Brothers & Co.	-	-	-	-
1966	Luskey Brothers & Company Inc.	-	-	-	-
1961	Luskey Brothers & Co.	-	-	-	-
1960	Luskeys Brothers & Co., Publishers	-	-	-	-
1956	Luskey Brothers & Co.	-	-	-	-
1955	Luskeys Brothers Co., Publishers	-	-	-	-
1951	Los Angeles Directory Co.	-	-	-	-
1946	Southern California Telephone Company	-	-	-	-
1945	Los Angeles Directory Co.	-	-	-	-
1941	Pacific Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1931	Southern California Telephone Co.	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Kaasen Directory Co.	-	-	-	-
1921	Riverside 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*
2689 Millsweet Place	Client Entered	X
2675 Millsweet Place	Client Entered	X
2663 Millsweet Place	Client Entered	X
2615 Millsweet Place	Client Entered	X
11095 Kayjay Street	Client Entered	X
11081 Kayjay Street	Client Entered	X
11067 Kayjay Street	Client Entered	X
11053 Kayjay Street	Client Entered	X
11037 Kayjay Street	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

Southeast Corner of Victoria Ave. and LA Sierra Av
Riverside, CA 92503

FINDINGS DETAIL

Target Property research detail.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

GROVELAND ST

2642 GROVELAND ST

Year	Uses	Source
2001	OLINTONJohn	Haines & Company, Inc.

KAYJAY

11053 KAYJAY

Year	Uses	Source
2002	Lee Ruth E	SBC PACIFIC BELL
	Lee Ruth E	SBC PACIFIC BELL

KAYJAY ST

11015 KAYJAY ST

Year	Uses	Source
2001	CARPENTERMichael	Haines & Company, Inc.

11024 KAYJAY ST

Year	Uses	Source
2001	ARMENDARIZM	Haines & Company, Inc.

Kayjay St

11025 Kayjay St

Year	Uses	Source
2010	ADVANCED CHEMICAL SERVICE	EDR Digital Archive
	ADVANCED CHEMICAL SERVICE	EDR Digital Archive

KAYJAY ST

11025 KAYJAY ST

Year	Uses	Source
2001	WEISSBERGJacob	Haines & Company, Inc.

FINDINGS

Kayjay St

11036 Kayjay St

Year	Uses	Source
2014	JIM LISBY MINISTRIES INC	EDR Digital Archive
	JIM LISBY MINISTRIES INC	EDR Digital Archive
2010	JIM LISBY MINISTRIES INC	EDR Digital Archive
	JIM LISBY MINISTRIES INC	EDR Digital Archive
2005	JIM LISBY MINISTRIES INC	EDR Digital Archive
	JIM LISBY MINISTRIES INC	EDR Digital Archive

11037 Kayjay St

Year	Uses	Source
2005	LA SIERRA DOLPHINS SWIM T	EDR Digital Archive
	LA SIERRA DOLPHINS SWIM T	EDR Digital Archive

KAYJAY ST

11037 KAYJAY ST

Year	Uses	Source
2001	HAGUEWOODGL	Haines & Company, Inc.
	HAQUEWOODKL	Haines & Company, Inc.

11039 KAYJAY ST

Year	Uses	Source
2001	LSBYYJames	Haines & Company, Inc.

11050 KAYJAY ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

11052 KAYJAY ST

Year	Uses	Source
2001	ANDERLIKJames	Haines & Company, Inc.

11053 KAYJAY ST

Year	Uses	Source
2001	LEERulh E	Haines & Company, Inc.
	LEERullh E	Haines & Company, Inc.
1996	Lee Ruth E	Pacific Bell

FINDINGS

11066 KAYJAY ST

Year	Uses	Source
1996	Ammeraal Ronald H	Pacific Bell

Kayjay St

11067 Kayjay St

Year	Uses	Source
2014	VIA VENETO CORPORATION	EDR Digital Archive
	VIA VENETO CORPORATION	EDR Digital Archive
2010	VIA VENETO CORPORATION	EDR Digital Archive
	VIA VENETO CORPORATION	EDR Digital Archive

KAYJAY ST

11067 KAYJAY ST

Year	Uses	Source
2001	FANGARYWissam	Haines & Company, Inc.

11069 KAYJAY ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

11080 KAYJAY ST

Year	Uses	Source
2001	OMENDOZA Bean	Haines & Company, Inc.

11081 KAYJAY ST

Year	Uses	Source
2001	NALLYThomas	Haines & Company, Inc.

11094 KAYJAY ST

Year	Uses	Source
2001	MATHERSGeorgete	Haines & Company, Inc.

11095 KAYJAY ST

Year	Uses	Source
2001	OLETram	Haines & Company, Inc.

FINDINGS

Kayjay Street

11037 Kayjay Street

Year	Uses	Source
2001	HAGUEWOODGL	Haines & Company, Inc.
	HAQUEWOODKL	Haines & Company, Inc.

11053 Kayjay Street

Year	Uses	Source
2002	Lee Ruth E	SBC PACIFIC BELL
	Lee Ruth E	SBC PACIFIC BELL
2001	LEERulh E	Haines & Company, Inc.
	LEERullh E	Haines & Company, Inc.
1996	Lee Ruth E	Pacific Bell

11067 Kayjay Street

Year	Uses	Source
2001	FANGARYWissam	Haines & Company, Inc.

11081 Kayjay Street

Year	Uses	Source
2001	NALLYThomas	Haines & Company, Inc.

11095 Kayjay Street

Year	Uses	Source
2001	OLETram	Haines & Company, Inc.

LA SIERRA AVE

2470 LA SIERRA AVE

Year	Uses	Source
1977	Shellman Al	Pacific Telephone

MILLSWEET PL

2615 MILLSWEET PL

Year	Uses	Source
2001	ZUNIGADavid	Haines & Company, Inc.

FINDINGS

Millsweet Pl

2663 Millsweet Pl

Year	Uses	Source
2014	JOHN A& JO ELLEN JAGGERS	EDR Digital Archive
	PACIFIC STEAM CLEANING	EDR Digital Archive
	JOHN A& JO ELLEN JAGGERS	EDR Digital Archive
	PACIFIC STEAM CLEANING	EDR Digital Archive
2010	PACIFIC STEAM CLEANING	EDR Digital Archive
	JOHN A& JO ELLEN JAGGERS	EDR Digital Archive
	PACIFIC STEAM CLEANING	EDR Digital Archive
	JOHN A& JO ELLEN JAGGERS	EDR Digital Archive
2005	JOHN A& JO ELLEN JAGGERS	EDR Digital Archive
	JOHN A& JO ELLEN JAGGERS	EDR Digital Archive

MILLSWEET PL

2663 MILLSWEET PL

Year	Uses	Source
2001	SAGARDMary	Haines & Company, Inc.

2675 MILLSWEET PL

Year	Uses	Source
2002	Wells Richard	SBC PACIFIC BELL
2001	SCAVALLOPaul E	Haines & Company, Inc.
1996	Cavallo Paul E	Pacific Bell

Millsweet Pl

2689 Millsweet Pl

Year	Uses	Source
2014	ONE WAY IMMIGRATION SERVICES	EDR Digital Archive
	ONE WAY IMMIGRATION SERVICES	EDR Digital Archive

MILLSWEET PL

2689 MILLSWEET PL

Year	Uses	Source
2001	DODSONDenise	Haines & Company, Inc.

FINDINGS

Millsweet Place

2615 Millsweet Place

Year	Uses	Source
2001	ZUNIGADavid	Haines & Company, Inc.

2663 Millsweet Place

Year	Uses	Source
2001	SAGARDMary	Haines & Company, Inc.

2675 Millsweet Place

Year	Uses	Source
2002	Wells Richard	SBC PACIFIC BELL
2001	SCAVALLOPaul E	Haines & Company, Inc.
1996	Cavallo Paul E	Pacific Bell

2689 Millsweet Place

Year	Uses	Source
2001	DODSONDenise	Haines & Company, Inc.

OLD FASHION WAY

11110 OLD FASHION WAY

Year	Uses	Source
2001	WASOWSKIEddy	Haines & Company, Inc.

STONEHENGE CIR

10961 STONEHENGE CIR

Year	Uses	Source
1981	Montero Abel C	Pacific Telephone

10968 STONEHENGE CIR

Year	Uses	Source
1986	Parker Norman S	Pacific Bell Yellow Pages
1981	Parker Norman	Pacific Telephone

10971 STONEHENGE CIR

Year	Uses	Source
1986	Powlak Raymond	Pacific Bell Yellow Pages

FINDINGS

STONEHENGE PL

10950 STONEHENGE PL

Year	Uses	Source
2001	HAYS Richard	Haines & Company, Inc.

Stonehenge Pl

10956 Stonehenge Pl

Year	Uses	Source
2014	ROSEMARY A MUNIZ	EDR Digital Archive
	ROSEMARY A MUNIZ	EDR Digital Archive

STONEHENGE PL

10956 STONEHENGE PL

Year	Uses	Source
2001	MUNIZFred	Haines & Company, Inc.

Stonehenge Pl

10961 Stonehenge Pl

Year	Uses	Source
2005	PULIDO MARIA	EDR Digital Archive
	PULIDO MARIA	EDR Digital Archive

STONEHENGE PL

10961 STONEHENGE PL

Year	Uses	Source
2001	PULIDOMarin	Haines & Company, Inc.
1990	Fox Randall J	Pacific Bell

10962 STONEHENGE PL

Year	Uses	Source
2002	Mc Gary William D	SBC PACIFIC BELL
2001	SMINNISEarl	Haines & Company, Inc.
1990	Castellanos Jose G	Pacific Bell
1986	Castellanos Jose G	Pacific Bell Yellow Pages
1981	Castellanos Jose G	Pacific Telephone

FINDINGS

10967 STONEHENGE PL

Year	Uses	Source
2001	EBOZULICNedellka	Haines & Company, Inc.
1981	Bozvlic Vedran	Pacific Telephone

10971 STONEHENGE PL

Year	Uses	Source
2002	Pawlak Raymond	SBC PACIFIC BELL
2001	OPAWLAKRaymond	Haines & Company, Inc.
1996	Pawlak Raymond	Pacific Bell
1990	Pawlak Raymond	Pacific Bell

10974 STONEHENGE PL

Year	Uses	Source
2001	JARAMILLOMichael	Haines & Company, Inc.
	PHILLPSJosephma	Haines & Company, Inc.
1981	Geisendorfer Geo	Pacific Telephone

10977 STONEHENGE PL

Year	Uses	Source
2002	Bronson Gwen	SBC PACIFIC BELL
2001	COSTONCrai	Haines & Company, Inc.
	COSTON Slephanie	Haines & Company, Inc.
	HARRINGTON Richad	Haines & Company, Inc.
1990	Coston Craig & Stephanie	Pacific Bell
1986	Cota Edw	Pacific Bell Yellow Pages
	Coston Craig & Stephanie	Pacific Bell Yellow Pages

10980 STONEHENGE PL

Year	Uses	Source
2001	SLOPEZHenry	Haines & Company, Inc.
1981	Mc Millen Bill	Pacific Telephone

10985 STONEHENGE PL

Year	Uses	Source
2001	MARSHALLWi liom	Haines & Company, Inc.

10986 STONEHENGE PL

Year	Uses	Source
2001	ROGERSPaul	Haines & Company, Inc.

FINDINGS

10992 STONEHENGE PL

Year	Uses	Source
2002	Yamaoto Gary	SBC PACIFIC BELL
1996	Yamaoto Gary	Pacific Bell
1990	Yamaoto Gary	Pacific Bell

Stonehenge Pl

10998 Stonehenge Pl

Year	Uses	Source
2014	VANTAGE POINTE MEDICAL	EDR Digital Archive
	VANTAGE POINTE MEDICAL	EDR Digital Archive
2010	VANTAGE POINTE MEDICAL	EDR Digital Archive
	VANTAGE POINTE MEDICAL	EDR Digital Archive

STONEHENGE PL

10998 STONEHENGE PL

Year	Uses	Source
2002	Gawrys J & N	SBC PACIFIC BELL
1996	Gawrys J & N	Pacific Bell
1990	Gawrys J & N	Pacific Bell

Wildcat Ln

2531 Wildcat Ln

Year	Uses	Source
2014	LORRIS BOX-OF-ROCKS	EDR Digital Archive
	LORRIS BOX-OF-ROCKS	EDR Digital Archive
2010	LORRIS BOX-OF-ROCKS	EDR Digital Archive
	LORRIS BOX-OF-ROCKS	EDR Digital Archive

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
10950 STONEHENGE PL	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
10956 STONEHENGE PL	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
10956 Stonehenge Pl	2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
10956 Stonehenge Pl	2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
10961 STONEHENGE CIR	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
10961 STONEHENGE PL	2014, 2010, 2005, 2002, 1996, 1993, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
10961 Stonehenge Pl	2014, 2010, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
10961 Stonehenge Pl	2014, 2010, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
10962 STONEHENGE PL	2014, 2010, 2005, 1996, 1993, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
10967 STONEHENGE PL	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
10968 STONEHENGE CIR	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
10971 STONEHENGE CIR	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
10971 STONEHENGE PL	2014, 2010, 2005, 1993, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
10974 STONEHENGE PL	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
10977 STONEHENGE PL	2014, 2010, 2005, 1996, 1993, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921

FINDINGS

Address Researched	Address Not Identified in Research Source
10980 STONEHENGE PL	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
10985 STONEHENGE PL	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
10986 STONEHENGE PL	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
10992 STONEHENGE PL	2014, 2010, 2005, 2001, 1993, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
10998 STONEHENGE PL	2014, 2010, 2005, 2001, 1993, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
10998 Stonehenge Pl	2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
10998 Stonehenge Pl	2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11015 KAYJAY ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11024 KAYJAY ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11025 KAYJAY ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11025 Kayjay St	2014, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11025 Kayjay St	2014, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11036 Kayjay St	2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11036 Kayjay St	2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11037 Kayjay St	2014, 2010, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11037 Kayjay St	2014, 2010, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11037 KAYJAY ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921

FINDINGS

Address Researched	Address Not Identified in Research Source
11037 Kayjay Street	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11039 KAYJAY ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11050 KAYJAY ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11052 KAYJAY ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11053 KAYJAY	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11053 KAYJAY ST	2014, 2010, 2005, 2002, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11053 Kayjay Street	2014, 2010, 2005, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11066 KAYJAY ST	2014, 2010, 2005, 2002, 2001, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11067 KAYJAY ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11067 Kayjay St	2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11067 Kayjay St	2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11067 Kayjay Street	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11069 KAYJAY ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11080 KAYJAY ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11081 KAYJAY ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11081 Kayjay Street	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11094 KAYJAY ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921

FINDINGS

Address Researched	Address Not Identified in Research Source
11095 KAYJAY ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11095 Kayjay Street	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
11110 OLD FASHION WAY	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2470 LA SIERRA AVE	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2531 Wildcat Ln	2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2531 Wildcat Ln	2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2615 MILLSWEET PL	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2615 Millsweet Place	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2642 GROVELAND ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2663 MILLSWEET PL	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2663 Millsweet Pl	2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2663 Millsweet Pl	2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2663 Millsweet Place	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2675 MILLSWEET PL	2014, 2010, 2005, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2675 Millsweet Place	2014, 2010, 2005, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2689 MILLSWEET PL	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2689 Millsweet Pl	2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921

FINDINGS

Address Researched	Address Not Identified in Research Source
2689 Millsweet Pl	2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2689 Millsweet Place	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921

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
Southeast Corner of Victoria Ave. and LA Sierra Av	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921

045.02270_southeast Corner of Victoria Ave. and LA

Southeast Corner of Victoria Ave. and LA Sierra Av

Riverside, CA 92503

Inquiry Number: 5889186.8

December 02, 2019

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

12/02/19

Site Name:

045.02270_southeast Corner o
Southeast Corner of Victoria A\
Riverside, CA 92503
EDR Inquiry # 5889186.8

Client Name:

EFI Global Inc.
5261 West Imperial Highway
Los Angeles, CA 90045
Contact: Lauren Corbet

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
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1994	1"=500'	Acquisition Date: June 01, 1994	USGS/DOQQ
1990	1"=500'	Flight Date: September 06, 1990	USDA
1985	1"=500'	Flight Date: September 13, 1985	USDA
1975	1"=500'	Flight Date: August 01, 1975	USGS
1967	1"=500'	Flight Date: May 15, 1967	USDA
1961	1"=500'	Flight Date: June 15, 1961	USDA
1953	1"=500'	Flight Date: September 22, 1953	USDA
1948	1"=500'	Flight Date: July 10, 1948	USGS
1938	1"=500'	Flight Date: June 14, 1938	USDA
1931	1"=500'	Flight Date: September 18, 1931	FAIR

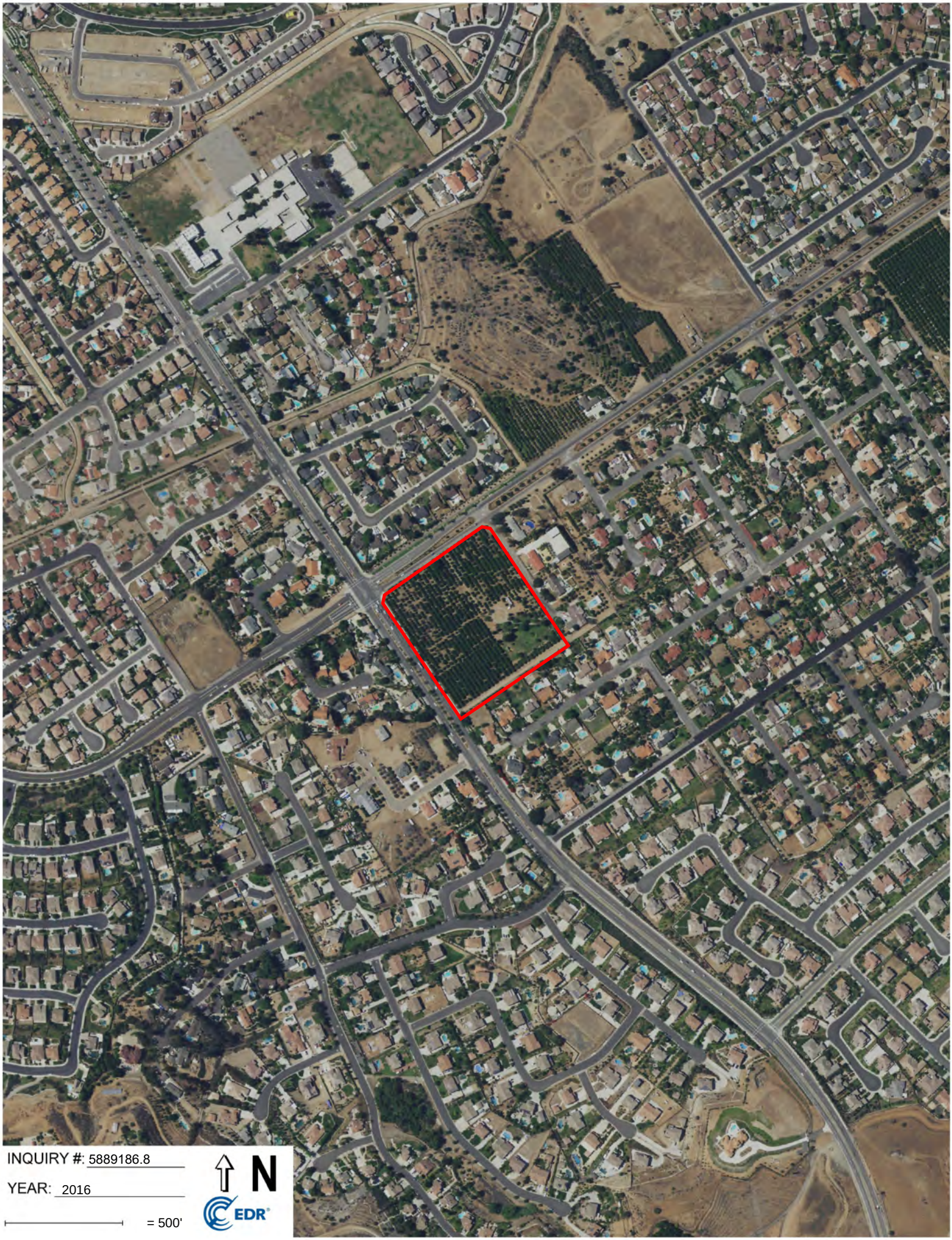
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2019 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.


INQUIRY #: 5889186.8
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 5889186.8
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 5889186.8
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 5889186.8
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 5889186.8
YEAR: 1994
= 500'
N
EDR


INQUIRY #: 5889186.8
YEAR: 1990
= 500'
N
EDR


INQUIRY #: 5889186.8
YEAR: 1985
= 500'
N
EDR


INQUIRY #: 5889186.8
YEAR: 1975
= 500'
N
EDR


INQUIRY #: 5889186.8
YEAR: 1967
= 500'
N
EDR


INQUIRY #: 5889186.8
YEAR: 1961
= 500'
N
EDR



INQUIRY #: 5889186.8

YEAR: 1953

= 500'

N

EDR


INQUIRY #: 5889186.8
YEAR: 1948
= 500'
N
EDR



INQUIRY #: 5889186.8

YEAR: 1938

= 500'

N

EDR



INQUIRY #: 5889186.8

YEAR: 1931

= 500'

N

EDR

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA SHOWN. ASSESSOR'S PARCEL MAY NOT COMPLY WITH LOCAL LOT-SPLIT OR BUILDING SITE ORDINANCES.

MAR 17 2006

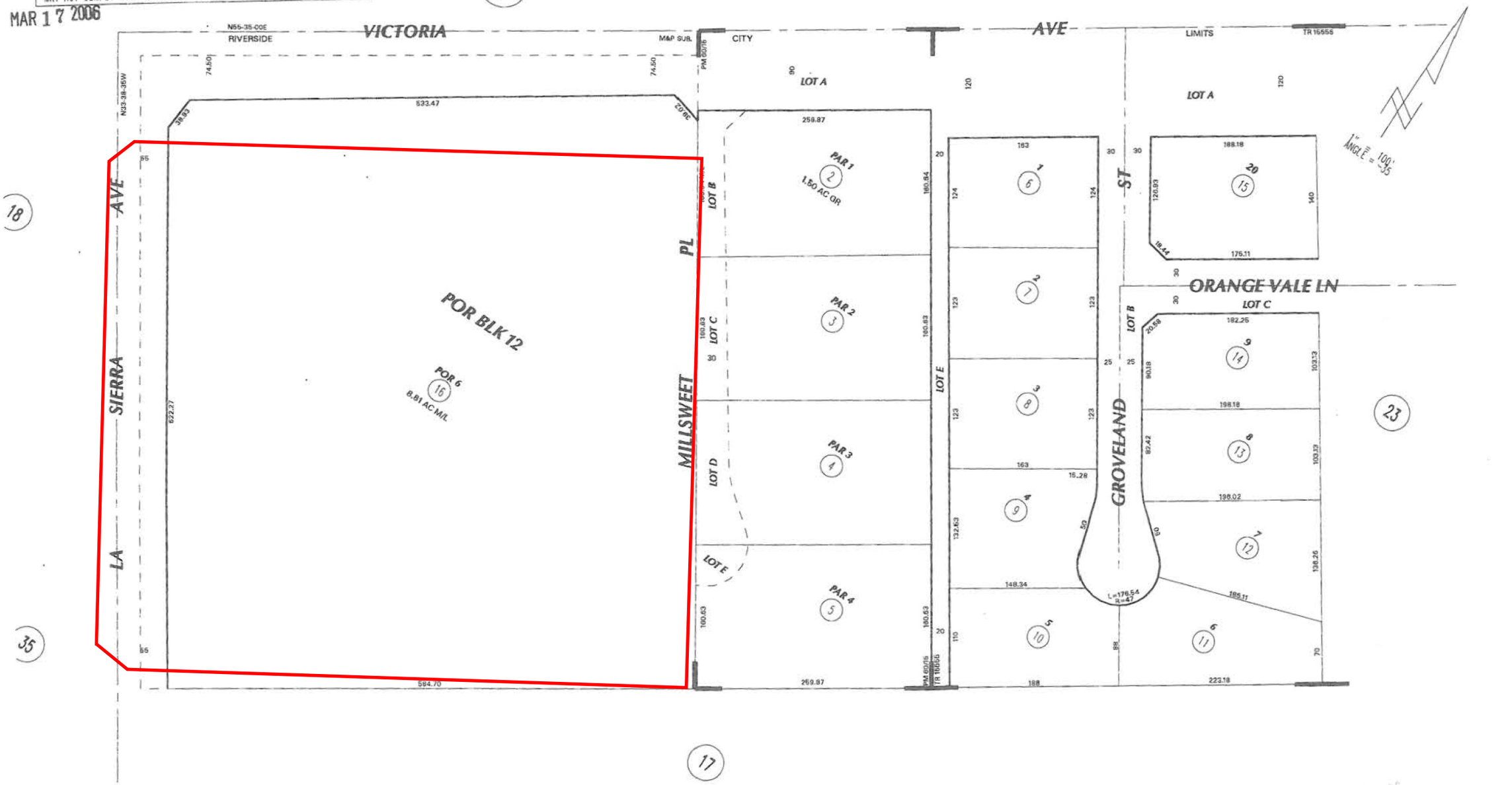
138/39

SEC.24 25 T.3S.,R.6W
CITY OF RIVERSIDE

138/18

T.R.A. 009-069

136-22
137-59



MB 1/49-50 MOULTON & PRAED SUB
MB 153/15-17 TRACT MAP NO. 15555
PM 60/15 PARCEL MAP NO. 9026

Mar 2006

DATE	OLD NUMBER	NEW NUMBER
03/06	1	16.ST

ASSESSOR'S MAP BK136 PG.22
Riverside County, Calif.

409

Property Detail Report

For Property Located At :
,, CA

CoreLogic RealQuest

Owner Information

Owner Name:	LA SIERRA VICTORA DEV
Mailing Address:	19215 WILD MUSTANG CT, APPLE VALLEY CA 92307-1500 C043
Vesting Codes:	/ /

Location Information

Legal Description:	8.81 ACRES M/L IN POR LOT 6 BLK 12 MB 001/049 MOULTON & PRAEDS SUB		
County:	RIVERSIDE, CA	APN:	136-220-016
Census Tract / Block:	414.09 / 1	Alternate APN:	136-220-016
Township-Range-Sect:		Subdivision:	MOULTON & PRAEDS SUB
Legal Book/Page:	7-33	Map Reference:	/
Legal Lot:	6	Tract #:	
Legal Block:	12	School District:	ALVORD
Market Area:	252	School District Name:	ALVORD
Neighbor Code:		Munic/Township:	CITY OF RIVERSIDE

Owner Transfer Information

Recording/Sale Date:	/	Deed Type:	
Sale Price:		1st Mtg Document #:	
Document #:			

Last Market Sale Information

Recording/Sale Date:	01/31/2017 / 11/02/2016	1st Mtg Amount/Type:	$700,000 / PRIVATE PARTY
Sale Price:	$1,400,000	1st Mtg Int. Rate/Type:	/
Sale Type:	FULL	1st Mtg Document #:	41088
Document #:	41087	2nd Mtg Amount/Type:	/
Deed Type:	GRANT DEED	2nd Mtg Int. Rate/Type:	/
Transfer Document #:		Price Per SqFt:	
New Construction:		Multi/Split Sale:	
Title Company:	FIRST AMERICAN TITLE		
Lender:	PRIVATE INDIVIDUAL		
Seller Name:	RENOUF FAMILY TRUST		

Prior Sale Information

Prior Rec/Sale Date:	12/07/2012 / 08/16/2012	Prior Lender:	
Prior Sale Price:	$250,000	Prior 1st Mtg Amt/Type:	/
Prior Doc Number:	594873	Prior 1st Mtg Rate/Type:	/
Prior Deed Type:	GRANT DEED		

Property Characteristics

Year Built / Eff:	/	Total Rooms/Offices		Garage Area:	
Gross Area:		Total Restrooms:		Garage Capacity:	
Building Area:		Roof Type:		Parking Spaces:	
Tot Adj Area:		Roof Material:		Heat Type:	
Above Grade:		Construction:		Air Cond:	
# of Stories:		Foundation:		Pool:	
Other Improvements:	Building Permit	Exterior wall:		Quality:	
		Basement Area:		Condition:	

Site Information

Zoning:		Acres:	8.81	County Use:	CITRUS (A05)
Lot Area:	383,764	Lot Width/Depth:	x	State Use:	A05
Land Use:	CITRUS GROVE	Commercial Units:		Water Type:	TYPE UNKNOWN
Site Influence:		Sewer Type:	TYPE UNKNOWN	Building Class:	

Tax Information

Total Value:	$1,428,000	Assessed Year:	2018	Property Tax:	$16,883.18
Land Value:	$1,415,046	Improved %:	1%	Tax Area:	009069
Improvement Value:	$12,954	Tax Year:	2018	Tax Exemption:	
Total Taxable Value:	$1,428,000				

ENVIROSTOR

2689 Millsweet Place, Riverside, CA

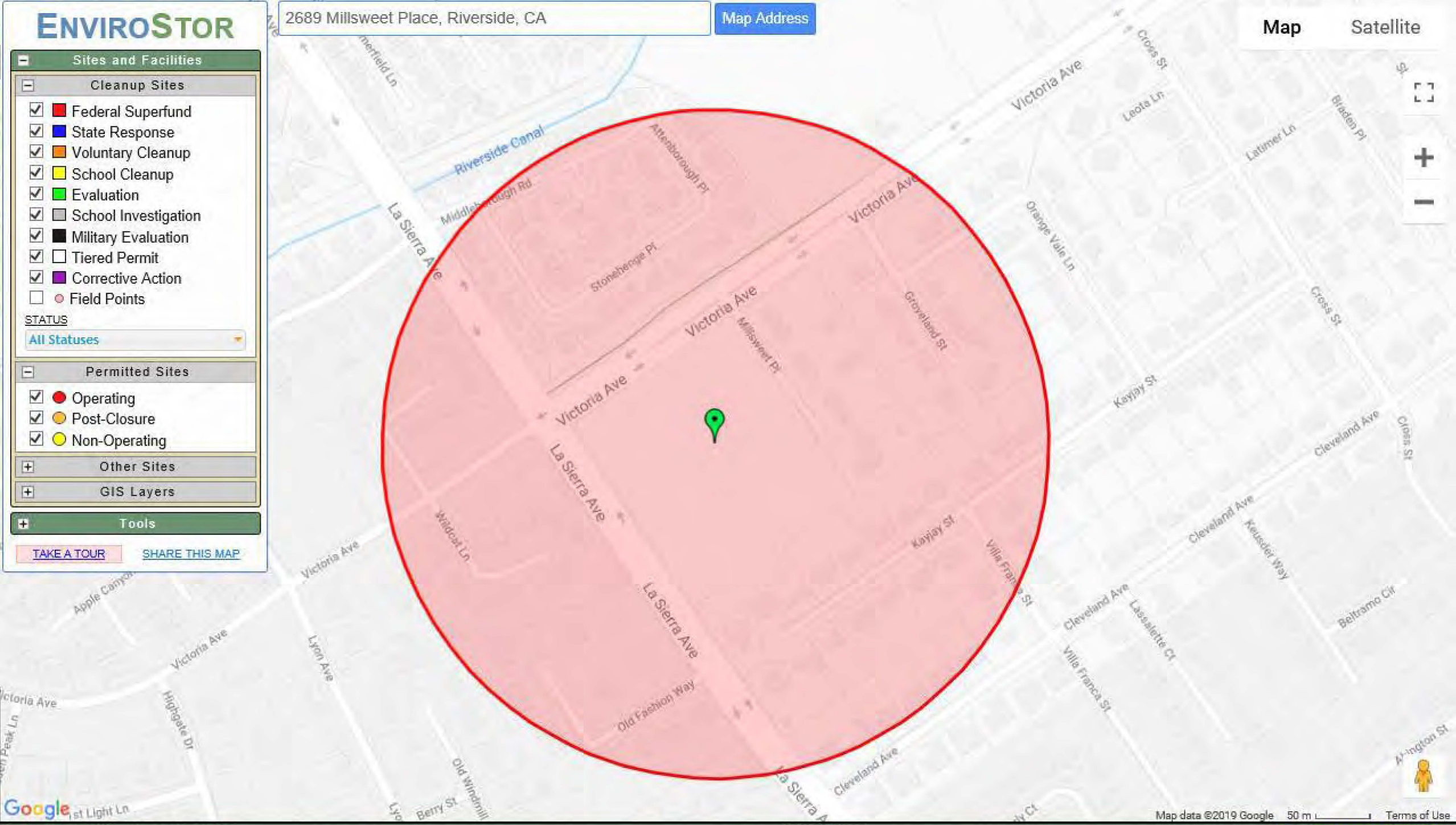
Map Address

Map | Satellite

- Sites and Facilities
  - Cleanup Sites
    - [x] Federal Superfund
    - [x] State Response
    - [x] Voluntary Cleanup
    - [x] School Cleanup
    - [x] Evaluation
    - [x] School Investigation
    - [x] Military Evaluation
    - [x] Tiered Permit
    - [x] Corrective Action
    - [ ] Field Points

    STATUS: All Statuses
  - Permitted Sites
    - [x] Operating
    - [x] Post-Closure
    - [x] Non-Operating
  - Other Sites
  - GIS Layers
- Tools

TAKE A TOUR | SHARE THIS MAP



SITES FOUND IN SEARCH RADIUS — 0 SITES LISTED — EXPORT THIS LIST TO EXCEL

PROJECT NAME	STATUS	PROJECT TYPE	ADDRESS	CITY

- [x] Cleanup Program Sites
- [x] Military Cleanup Sites
- [x] DTSC Cleanup Sites

Permitted Facilities

- [x] Waste Discharge Requirements (WDR) Sites
- [x] Permitted USTs - INFO
- [x] DTSC Hazardous Waste Sites
- [x] Land Disposal Sites - SELECT NONE
  - [x] Burn Dump
  - [x] Compost Facility
  - [x] Illegal Disposal Site
  - [x] Other
  - [x] Pre-Title 27 - CAI
  - [x] Title 27 - Land Treatment Unit
  - [x] Title 27 - Mining Unit
  - [x] Title 27 - Municipal Solid Waste Landfill
  - [x] Title 27 - Non-Municipal Solid Waste Landfill
  - [x] Title 27 - Surface Impoundment
  - [x] Title 27 - Waste Pile
  - [x] Unknown
- [x] Irrigated Lands Regulatory Program Sites
- [x] Oil / Gas Sites
  - [x] Other Oil and Gas Projects
  - [x] Produced Water Ponds
  - [x] Underground Injection Control (UIC)
  - [x] Well Stimulation Project - Exclusion
  - [x] Well Stimulation Project - Groundwater Monitoring Plan
  - [x] Well Stimulation Projects - Property Owner Sampling
- [x] Confined Animal Sites

Other Sites

- [x] Project Sites
- [ ] Non-Case Information Sites
- [x] Sampling Points - Public
- [x] Field Points
- [x] AGLand Domestic Wells

☒ SIGNIFIES A CLOSED SITE

Tools

Map Coverages

TAKE A TOUR VIEW ON GAMA

2689 Millsweet Place, Riverside, CA

Map Address

Map Satellite

Riverside Canal

Victoria Ave

La Sierra Ave

Cleveland Ave

Kayjay St

Villa Franca St

Lasalette Ct

Beltramo Ct

Keuscher Way

Cross St

Leota Ln

Latimer Ln

Orange Vale Ln

Groveland St

Millsweet Pl

Middleborough Rd

Attenborough Pl

Stonehenge Pl

Summerfield Ln

Wildcat Ln

Lyon Ave

Old Fashion Way

Old Windmill Ct

Berry St

Traditions Ct

Dulferin Ave

Carly Ct

Limerick St

Abington St

McAllister Pkwy

Map data ©2019 Google 50 m Terms of Use

SITES FOUND IN SEARCH RADIUS

Well Finder
DOGGR GIS

Well Status and Well Type Filter

Search

By Attribute | By Shape

Select A Layer:

Well

Buffer: 1,000 Feet

Display Buffer Only:

Select Features By:

Stop Drawing

Add To Existing Results:

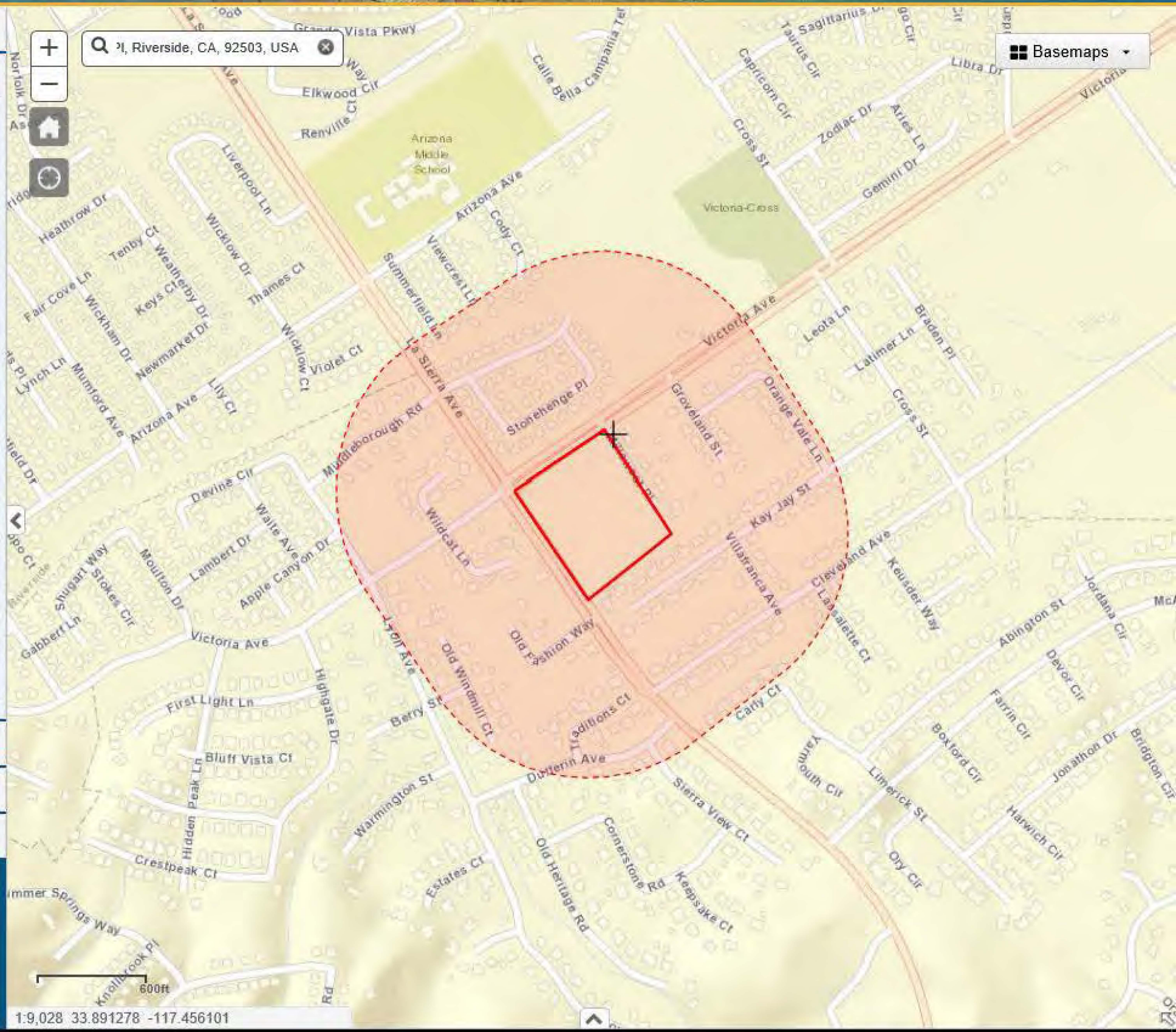
Search

Zoom to Field

Measurement

Layers

Powered by WellSTAR



Property Location

Site Name:

• Address: (not reported)

City: Riverside

State: California

ZIP Code: 92503

SEARCH

Coordinates: Decimal Degrees

Latitude: 33.88751

Longitude: -117.461781

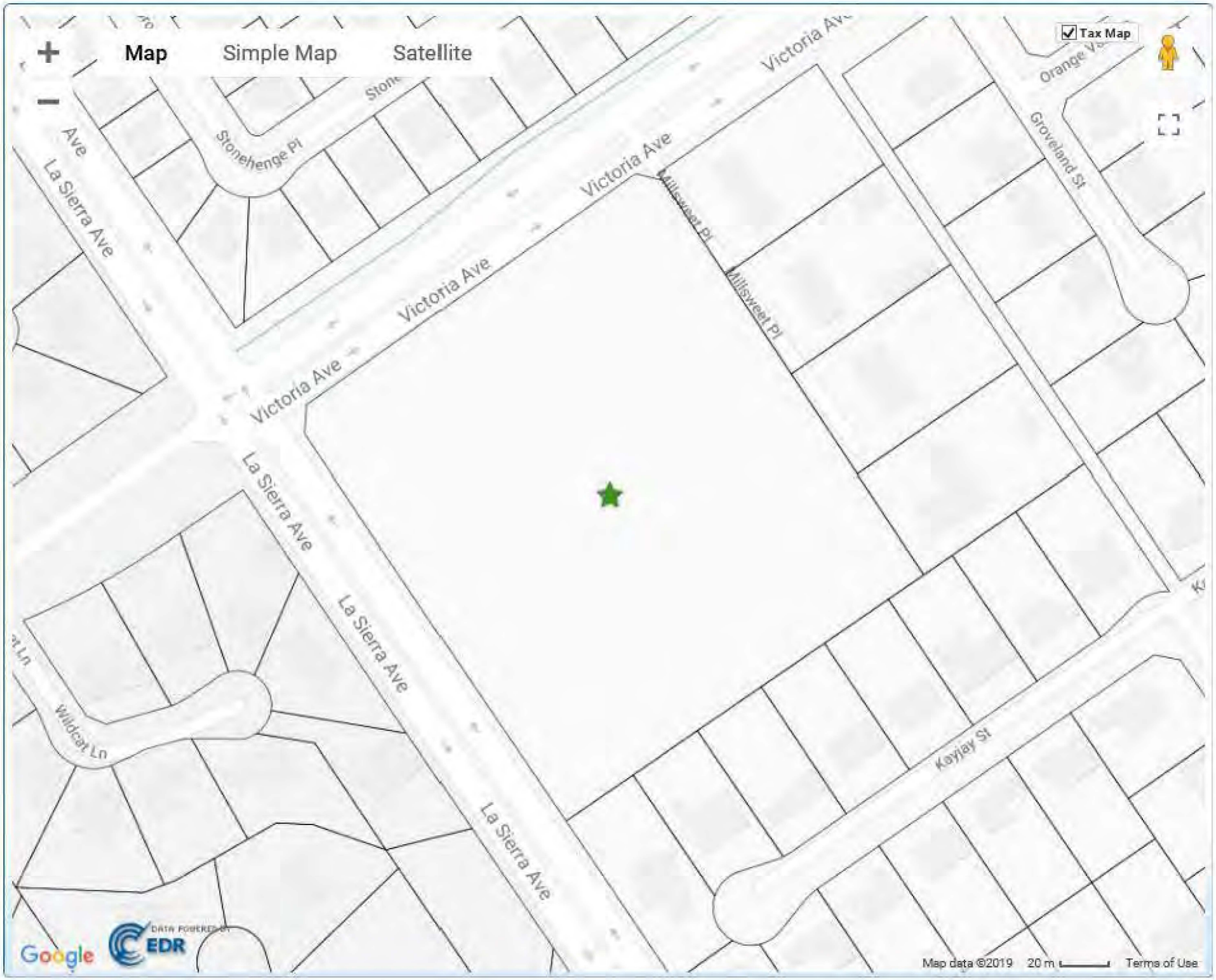
SEARCH

FIND BY TAX ID

Draw Property Boundary

DRAW

CONTINUE >>



U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands



December 2, 2019

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Corbet, Lauren

From: Corbet, Lauren
Sent: Monday, December 2, 2019 10:02 AM
To: FileReview8@waterboards.ca.gov
Subject: Public Records Request

Hello,

This firm is performing a Phase I Environmental Site Assessment for the property located at the following addresses:

Southeast Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503

We are requesting any information from your department pertaining to the above property.

Please feel free to contact Kevin Ballesteros with any questions or concerns at 310-854-6300 or kevin.ballesteros@efiglobal.com. Thank you for your assistance with this information.

Regards,

Lauren Corbet | Environmental Specialist
EFI Global, Inc.
Los Angeles, CA
DIRECT 310.854.6300 | FAX 310.854.0199
CELL: 323.326.6124 | EMAIL: lauren.corbet@efiglobal.com
CSLB License #: 885902
www.efiglobal.com | Caring counts®



Ballesteros, Kevin EFI

From: Corbet, Lauren
Sent: Tuesday, December 10, 2019 12:25 PM
To: Ballesteros, Kevin EFI
Subject: FW: Public Records Request

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Client Respond

045.02270

Hi Kevin,

Let me know if I should reply to the below email saying that the property is vacant and has no physical address associated with it.

Regards,

Lauren Corbet | Environmental Specialist
EFI Global, Inc.
Los Angeles, CA
DIRECT 310.854.6300 | FAX 310.854.0199
CELL: 323.326.6124 | EMAIL: lauren.corbet@efiglobal.com
CSLB License #: 885902
www.efiglobal.com | Caring counts®

From: WB-RB8-FileReview8 <FileReview8@waterboards.ca.gov>
Sent: Tuesday, December 10, 2019 12:21 PM
To: Corbet, Lauren <Lauren.Corbet@EFIGLOBAL.com>
Subject: RE: Public Records Request

Good afternoon,

Unfortunately, we do not use APN numbers or cross streets to maintain our files. We only use facility names and/or physical address numbers to locate files. If you can provide a numerical address or facility name, we can carry out your request.

If we can be of further assistance, please do not hesitate to contact us again.

Thank you,
File Review Desk
3737 Main St. Suite 500
Riverside, CA 92501

From: Corbet, Lauren <Lauren.Corbet@EFIGLOBAL.com>
Sent: Monday, December 2, 2019 10:02 AM

To: WB-RB8-FileReview8 <FileReview8@waterboards.ca.gov>
Subject: Public Records Request

Hello,

This firm is performing a Phase I Environmental Site Assessment for the property located at the following addresses:

Southeast Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503

We are requesting any information from your department pertaining to the above property.

Please feel free to contact Kevin Ballesteros with any questions or concerns at 310-854-6300 or kevin.ballesteros@efiglobal.com. Thank you for your assistance with this information.

Regards,

Lauren Corbet | Environmental Specialist
EFI Global, Inc.
Los Angeles, CA
DIRECT 310.854.6300 | FAX 310.854.0199
CELL: 323.326.6124 | EMAIL: lauren.corbet@efiglobal.com
CSLB License #: 885902
www.efiglobal.com | Caring counts®

Any personal data acquired, processed or shared by us will be lawfully processed in line with applicable data protection legislation. If you have any questions regarding how we process personal data refer to our Privacy Notice https://www.sedgwick.com/global-privacy-policy. Any communication including this email and files/attachments transmitted with it are confidential and are intended solely for the use of the individual or entity to whom they are addressed. If this message has been sent to you in error, you must not copy, distribute or disclose of the information it contains and you must notify us immediately (contact is within the privacy policy) and delete the message from your system.

State of California
STATE WATER RESOURCES CONTROL BOARD

2018 - 2019

ANNUAL REPORT

FOR
STORM WATER DISCHARGES ASSOCIATED
WITH CONSTRUCTION ACTIVITIES

Reporting Period July 1, 2018 **through June 30,** 2019

In compliance with the Construction General Permit (CGP) an annual report is required to be submitted electronically via SMARTS by September 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company.

If you have any questions, please contact your Regional Board Storm Water Permit Contact. The names, telephone numbers and e-mail addresses of the Regional Board contacts, as well as the Regional Board office addresses can be found at: ***http://www.waterboards.ca.gov/water_issues/programs/stormwater/contact.shtml***
To find your Regional Board information, match the first digit of your WDID number with the corresponding number that appears in parenthesis on the first line of each Regional Board office.

GENERAL INFORMATION:

A. *Property Owner Information:*

Site WDID No: 8 33C379764

Owner's Name: La Sierra VIctoria Development LLC
Contact Person: Hitesh Patel
Physical Address: 19215 wild mustang court
e-mail: development@westcoasthotelsgroup.com
City: apple valley
CA Zip: 92307 Phone: 760-963-3475

B. *Site Information:*

Site Name: TTM 36713
Contact Person: Hitesh Patel
Mailing Address: Intersection of La Sierra Ave and Victoria Ave
e-mail: development@westcoasthotelsgroup.com
City: Riverside
State: CA Zip: 92503 Phone: 760-963-3475

C. *General Information:*

Was Construction active for three months or longer within this annual reporting period?: No

Explanation:
still in plan check

Certification:

Name: Hitesh Patel
Date: 2019-08-15 13:01:29.711
Title: Managing Member

State of California
STATE WATER RESOURCES CONTROL BOARD

2017 - 2018

ANNUAL REPORT

FOR
STORM WATER DISCHARGES ASSOCIATED
WITH CONSTRUCTION ACTIVITIES

Reporting Period July 1, 2017 **through June 30,** 2018

In compliance with the Construction General Permit (CGP) an annual report is required to be submitted electronically via SMARTS by September 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company.

If you have any questions, please contact your Regional Board Storm Water Permit Contact. The names, telephone numbers and e-mail addresses of the Regional Board contacts, as well as the Regional Board office addresses can be found at: ***http://www.waterboards.ca.gov/water_issues/programs/stormwater/contact.shtml***
To find your Regional Board information, match the first digit of your WDID number with the corresponding number that appears in parenthesis on the first line of each Regional Board office.

GENERAL INFORMATION:

A. *Property Owner Information:*

Site WDID No: 8 33C379764

Owner's Name: La Sierra VIctoria Development LLC
Contact Person: Hitesh Patel
Physical Address: 19215 wild mustang court
e-mail: development@westcoasthotelsgroup.com
City: apple valley
CA Zip: 92307 Phone: 760-963-3475

B. *Site Information:*

Site Name: TTM 36713
Contact Person: Hitesh Patel
Mailing Address: Intersection of La Sierra Ave and Victoria Ave
e-mail: development@westcoasthotelsgroup.com
City: Riverside
State: CA Zip: 92503 Phone: 760-963-3475

C. *General Information:*

Was Construction active for three months or longer within this annual reporting period?: No

Explanation:
Still in plan check

Certification:

Name: Hitesh Patel
Date: 2018-08-22 11:08:51.052
Title: Managing Member

State Water Resources Control Board

NOTICE OF INTENT

GENERAL PERMIT TO DISCHARGE STORM WATER
ASSOCIATED WITH CONSTRUCTION ACTIVITY
(WQ ORDER No. 2009-0009-DWQ)

WDID: Risk Level: Level1

Property Owner Information

Type: Private Business

Name: La Sierra VIctoria Development LLC
Address: 19215 wild mustang court
Address 2:
City/State/Zip: apple valley CA 92307
Contact Name: Hitesh Patel
Title: Managing Member
Phone Number: 760-963-3475
Email Address: development@westcoasthotelsgroup.com

Contractor/Developer Information

Name: La Sierra VIctoria Development LLC
Address: 19215 wild mustang court
Address 2:
City/State/Zip: apple valley CA 92307
Contact Name: Hitesh Patel
Title: Managing Member
Phone Number: 760-963-3475
Email Address: development@westcoasthotelsgroup.com

Construction Site Information

Contact Name: Hitesh Patel
Title: Managing Member
Site Name: TTM 36713
Address: Intersection of La Sierra Ave and Victoria Ave
City/State/Zip: Riverside CA 92503
Site Phone #: 760-963-3475
County: Riverside
Email Address: development@westcoasthotelsgroup.com
Latitude: 33.887564
Longitude: -117.46214
Construction Start: October 01, 2018
Total Size of Construction Area: 8.81 Acres
Complete Grading: October 01, 2018
Total Area to be Disturbed: 8.81 Acres
Final Stabilization: October 01, 2019

Risk Values

R: 28.88
K: 0.24
LS: 1.25
Beneficial Uses/303(d): No

Type of Construction: *Residential
Receiving Water: Santa Ana River
Qualified SWPPP Developer: Sam Akbarpour

RWQCB Jurisdiction: Region 8 - Santa Ana
Phone: 951-782-4130
Email: r8_stormwater@waterboards.ca.gov

Certification

Certification #: 23412

Name: Hitesh Patel
Date: May 09, 2017
Title: Managing Member

Attachments Meta Data Information:

Attachment ID	File Name	File Description	File Hash	File Size	Date Attached	Attachment Type
1913710	RISK	RISK	18bcf507620bc251bf349b5c4b02d75fe20be80dfc4d9b1686d31c6211c1	23040	2017-04-26 15:23:55.0	Laboratory Results
1913785	ARIAL	ARIAL	4cd1b1fe6fe934424cb13bd834a4e40a49cd1983e54986868840cedb6181d6	1262923	2017-04-26 16:36:51.0	Photograph
1913786	RISK	RISK	18bcf507620bc251bf349b5c4b02d75fe20be80dfc4d9b1686d31c6211c1	23040	2017-04-26 16:36:51.0	Laboratory Results
1913787	WPCD 1	WPCD 1	a35c61628d63fa7c559f7471bb92238b9b6b2784d2bcfc5d6565866135904f	143251	2017-04-26 16:36:53.0	Facility/Site Map
1913788	WPCD 2	WPCD 2	b1caf4b222c8401296adace06c678cd5252431f551101baee887188735a3aac1	136491	2017-04-26 16:36:54.0	Facility/Site Map
1913789	WPCD 3	WPCD 3	745193955a74aa8f85fd7096ca30b6159873a5a95246e11dedb9e9bd642d3a	115021	2017-04-26 16:36:55.0	Facility/Site Map
1913790	WPCD 4	WPCD 4	58c7a27bb0d5734164a077bf21a384264719ce89fb846cd5e43dc64ba4ecbd3	123015	2017-04-26 16:36:57.0	Facility/Site Map
1913791	SWPPP	SWPPP	9dbcadead771eb74deab5cdc133e308d4b7af78dc1f94d5b8123232fe43b8be	784006	2017-04-26 16:37:04.0	SWPPP
1913792	ARIAL	ARIAL	4cd1b1fe6fe934424cb13bd834a4e40a49cd1983e54986868840cedb6181d6	1262923	2017-04-26 16:38:16.0	Facility/Site Map
1913793	VICINITY MAP	VICINTY MAP	8bbfd460df6c32ed4f367ba8a6f3ecf327944b05ea787208eea5a1255f46	24736	2017-04-26 16:38:17.0	Facility/Site Map
1914515	NOI Fee Statement pdf			1058353	2017-04-27 18:27:49.0	Fee Statement PDF

April 27, 2017

Fee Statement
Application Id # 485872

Facility/Site
TTM 36713
Intersection of La Sierra Ave
Riverside CA 92503

Thank you for submitting Permit Registration Documents (PRDs) for the facility/site referenced above. The application fee for this submittal is $909.00

Please note the application fee is due upon submittal of the PRDs. Permit coverage begins on receipt of payment and a WDID number is assigned. If payment is not received within 60 days the application will be automatically returned as incomplete.

Please make checks payable to: SWRCB

Mail this Fee Statement and $909.00 to:

Regular Mailing Address:
SWRCB
Storm Water Section
PO Box 1977
Sacramento, CA 95812-1977

Overnight Mailing Address:
SWRCB
Storm Water Section
1001 I Street – 15th Floor
Sacramento, CA 95814

If you have questions or want to check on the status of the application, email us at stormwater@waterboards.ca.gov or call 1-866-563-3107.

Thank You,
Storm Water Help Desk

May 09, 2017

Fee Statement
Application Id # 485872

Facility/Site
TTM 36713
Intersection of La Sierra Ave
Riverside CA 92503

Thank you for submitting Permit Registration Documents (PRDs) for the facility/site referenced above. The application fee for this submittal is $909.00

Please note the application fee is due upon submittal of the PRDs. Permit coverage begins on receipt of payment and a WDID number is assigned. If payment is not received within 60 days the application will be automatically returned as incomplete.

Please make checks payable to: SWRCB

Mail this Fee Statement and $909.00 to:

Regular Mailing Address:
SWRCB
Storm Water Section
PO Box 1977
Sacramento, CA 95812-1977

Overnight Mailing Address:
SWRCB
Storm Water Section
1001 I Street – 15th Floor
Sacramento, CA 95814

If you have questions or want to check on the status of the application, email us at stormwater@waterboards.ca.gov or call 1-866-563-3107.

Thank You,
Storm Water Help Desk

State of California
STATE WATER RESOURCES CONTROL BOARD

2016 - 2017

ANNUAL REPORT

FOR
STORM WATER DISCHARGES ASSOCIATED
WITH CONSTRUCTION ACTIVITIES

Reporting Period July 1, 2016 **through June 30,** 2017

In compliance with the Construction General Permit (CGP) an annual report is required to be submitted electronically via SMARTS by September 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company.

If you have any questions, please contact your Regional Board Storm Water Permit Contact. The names, telephone numbers and e-mail addresses of the Regional Board contacts, as well as the Regional Board office addresses can be found at: ***http://www.waterboards.ca.gov/water_issues/programs/stormwater/contact.shtml***
To find your Regional Board information, match the first digit of your WDID number with the corresponding number that appears in parenthesis on the first line of each Regional Board office.

GENERAL INFORMATION:

A. *Property Owner Information:*

Site WDID No: 8 33C379764

Owner's Name: La Sierra VIctoria Development LLC
Contact Person: Hitesh Patel
Physical Address: 19215 wild mustang court
e-mail: development@westcoasthotelsgroup.com
City: apple valley
CA Zip: 92307 Phone: 760-963-3475

B. *Site Information:*

Site Name: TTM 36713
Contact Person: Hitesh Patel
Mailing Address: Intersection of La Sierra Ave and Victoria Ave
e-mail: development@westcoasthotelsgroup.com
City: Riverside
State: CA Zip: 92503 Phone: 760-963-3475

C. *General Information:*

Was Construction active for three months or longer within this annual reporting period?: No

Explanation:
Plans are in plan check

Certification:

Name: Hitesh Patel
Date: 2017-08-02 16:43:02.297
Title: Managing Member

BEST MANAGEMENT PRACTICES

EROSION CONTROL BMP'S					
BMP NO.	BMP	CONSIDERED FOR PROJECT	USED	NOT USED	NOTES
EC–1	SCHEDULING	X	X		
EC–2	PRESERVATION OF EXISTING VEGETATION			X	NOT REQ'D FOR PROJECT
EC–3	HYDRAULIC MULCH			X	NOT REQ'D FOR PROJECT
EC–4	HYDROSEED			X	NOT REQ'D FOR PROJECT
EC–5	SOIL BINDERS			X	NOT REQ'D FOR PROJECT
EC–6	STRAW MULCH			X	NOT REQ'D FOR PROJECT
EC–7	GEOTEXTILES AND MATS			X	NOT REQ'D FOR PROJECT
EC–8	WOOD MULCHING			X	NOT REQ'D FOR PROJECT
EC–9	EARTH DIKE AND DRAINAGE SWALES			X	NOT REQ'D FOR PROJECT
EC–10	VELOCITY DISSIPATION DEVICES			X	NOT REQ'D FOR PROJECT
EC–11	SLOPE DRAINS			X	NOT REQ'D FOR PROJECT
EC–12	STREAM BANK STABILIZATION			X	NOT REQ'D FOR PROJECT
EC–14	COMPOST BLANKETS			X	NOT REQ'D FOR PROJECT
EC–15	SOIL PREPARATION–ROUGHENING			X	NOT REQ'D FOR PROJECT
EC–16	NON–VEGETATED STABILIZATION			X	NOT REQ'D FOR PROJECT

WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL BMP'S					
BMP NO.	BMP	CONSIDERED FOR PROJECT	USED	NOT USED	NOTES
WM–1	MATERIAL DELIVERY AND STORAGE			X	NOT REQ'D FOR PROJECT
WM–2	MATERIAL USE			X	NOT REQ'D FOR PROJECT
WM–3	STOCKPILE MANAGEMENT			X	NOT REQ'D FOR PROJECT
WM–4	SPILL PREVENTION AND CONTROL			X	NOT REQ'D FOR PROJECT
WM–5	SOLID WASTE MANAGEMENT			X	NOT REQ'D FOR PROJECT
WM–6	HAZARDOUS WASTE MANAGEMENT			X	NOT REQ'D FOR PROJECT
WM–7	CONTAMINATED SOIL MANAGEMENT			X	NOT REQ'D FOR PROJECT
WM–8	CONCRETE WASTE MANAGEMENT			X	NOT REQ'D FOR PROJECT
WM–9	SANITARY–SEPTIC WASTE MANAGEMENT			X	NOT REQ'D FOR PROJECT
WM–10	LIQUID WASTE MANAGEMENT			X	NOT REQ'D FOR PROJECT

TEMPORARY TRACKING CONTROL BMP'S					
BMP NO.	BMP	CONSIDERED FOR PROJECT	USED	NOT USED	NOTES
TC–1	STABILIZED CONSTRUCTION ENTRANCE/EXIT	X	X		
TC–2	STABILIZED CONSTRUCTION ROADWAY			X	NOT REQ'D FOR PROJECT
TC–3	ENTRANCE OUTLET TIRE WASH			X	NOT REQ'D FOR PROJECT

NON–STORM WATER MANAGEMENT BMP'S					
BMP NO.	BMP	CONSIDERED FOR PROJECT	USED	NOT USED	NOTES
NS–1	WATER CONSERVATION PRACTICES			X	NOT REQ'D FOR PROJECT
NS–2	DEWATERING OPERATION			X	NOT REQ'D FOR PROJECT
NS–3	PAVING AND GRINDING OPERATION			X	NOT REQ'D FOR PROJECT
NS–4	TEMPORARY STREAM CROSSING			X	NOT REQ'D FOR PROJECT
NS–5	CLEAR WATER DIVERSION			X	NOT REQ'D FOR PROJECT
NS–6	ILLICIT CONNECTION/DISCHARGE			X	NOT REQ'D FOR PROJECT
NS–7	POTABLE WATER/IRRIGATION			X	NOT REQ'D FOR PROJECT
NS–8	VEHICLE AND EQUIPMENT CLEANING			X	NOT REQ'D FOR PROJECT
NS–9	VEHICLE AND EQUIPMENT FUELING			X	NOT REQ'D FOR PROJECT
NS–10	VEHICLE AND EQUIPMENT MAINTENANCE			X	NOT REQ'D FOR PROJECT
NS–11	PILE DRIVING OPERATION			X	NOT REQ'D FOR PROJECT
NS–12	CONCRETE CURING			X	NOT REQ'D FOR PROJECT
NS–13	CONCRETE FINISHING			X	NOT REQ'D FOR PROJECT
NS–14	MATERIAL OVER WATER			X	NOT REQ'D FOR PROJECT
NS–15	DEMOLITION ADJACENT TO WATER			X	NOT REQ'D FOR PROJECT
NS–16	TEMPORARY BATCH PLANTS			X	NOT REQ'D FOR PROJECT

WIND EROSION CONTROL BMP'S					
BMP NO.	BMP	CONSIDERED FOR PROJECT	USED	NOT USED	NOTES
WE–1	WIND EROSION CONTROL			X	NOT REQ'D FOR PROJECT

SEDIMENT CONTROL BMP'S					
BMP NO.	BMP	CONSIDERED FOR PROJECT	USED	NOT USED	NOTES
SE–1	SILT FENCE			X	NOT REQ'D FOR PROJECT
SE–2	SEDIMENT BASIN			X	NOT REQ'D FOR PROJECT
SE–3	SEDIMENT TRAP			X	NOT REQ'D FOR PROJECT
SE–4	CHECK DAMS			X	NOT REQ'D FOR PROJECT
SE–5	FIBER ROLLS			X	NOT REQ'D FOR PROJECT
SE–6	GRAVEL BAG BERM			X	NOT REQ'D FOR PROJECT
SE–7	STREET SWEEPING	X	X		
SE–8	SANDBAG BARRIER	X	X		
SE–9	STRAW BALE BARRIER			X	NOT REQ'D FOR PROJECT
SE–10	STORM DRAIN INLET PROTECTION	X	X		
SE–11	ATS			X	NOT REQ'D FOR PROJECT
SE–12	TEMPORARY SILT DIKE			X	NOT REQ'D FOR PROJECT
SE–13	COMPOST SOCK AND BERM			X	NOT REQ'D FOR PROJECT
SE–14	BIOFILTER BAGS	X	X		

REV.	REVISION DESCRIPTION	BY	DATE
REVISIONS			

DESIGNED BY: SA
DRAWN BY: JAC
CHECKED BY: SA

DWG. NO.
TITLE
REFERENCE DWG.

SAKE ENGINEERS, INC.
www.sakeengineers.com
ENGINEERING ● SURVEYING ● LAND DEVELOPMENT
400 S. RAMONA AVE., STE. 202
CORONA, CALIFORNIA 92879
(951) 279–4041 FAX: (951) 279–2830

REGISTERED PROFESSIONAL ENGINEER SAM KABAKOOSH C053038 Exp. 6/30/17 CIVIL STATE OF CALIFORNIA

BEST MANAGEMENT PRACTICES

TTM 36713

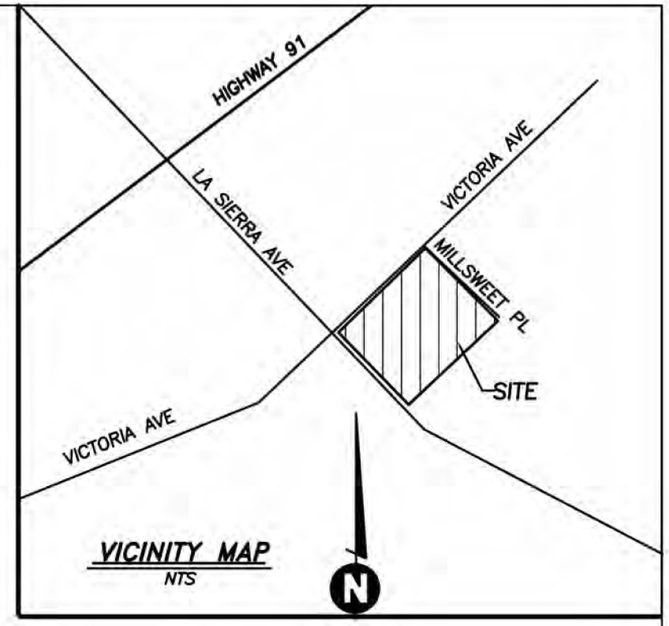
FILE NO.

DWG. NO.

SHEET 2 OF 4

DATE: 4/28/2017 TIME: 8:27:39 AM PLOTTED BY: JAC
C:\SAKE\3053 - TTM 36713\SW\SW3053_BMP_2.dwg

WATER POLLUTION CONTROL DRAWINGS
FOR
TTM 36713



VICINITY MAP
NTS

OWNER/DEVELOPER:

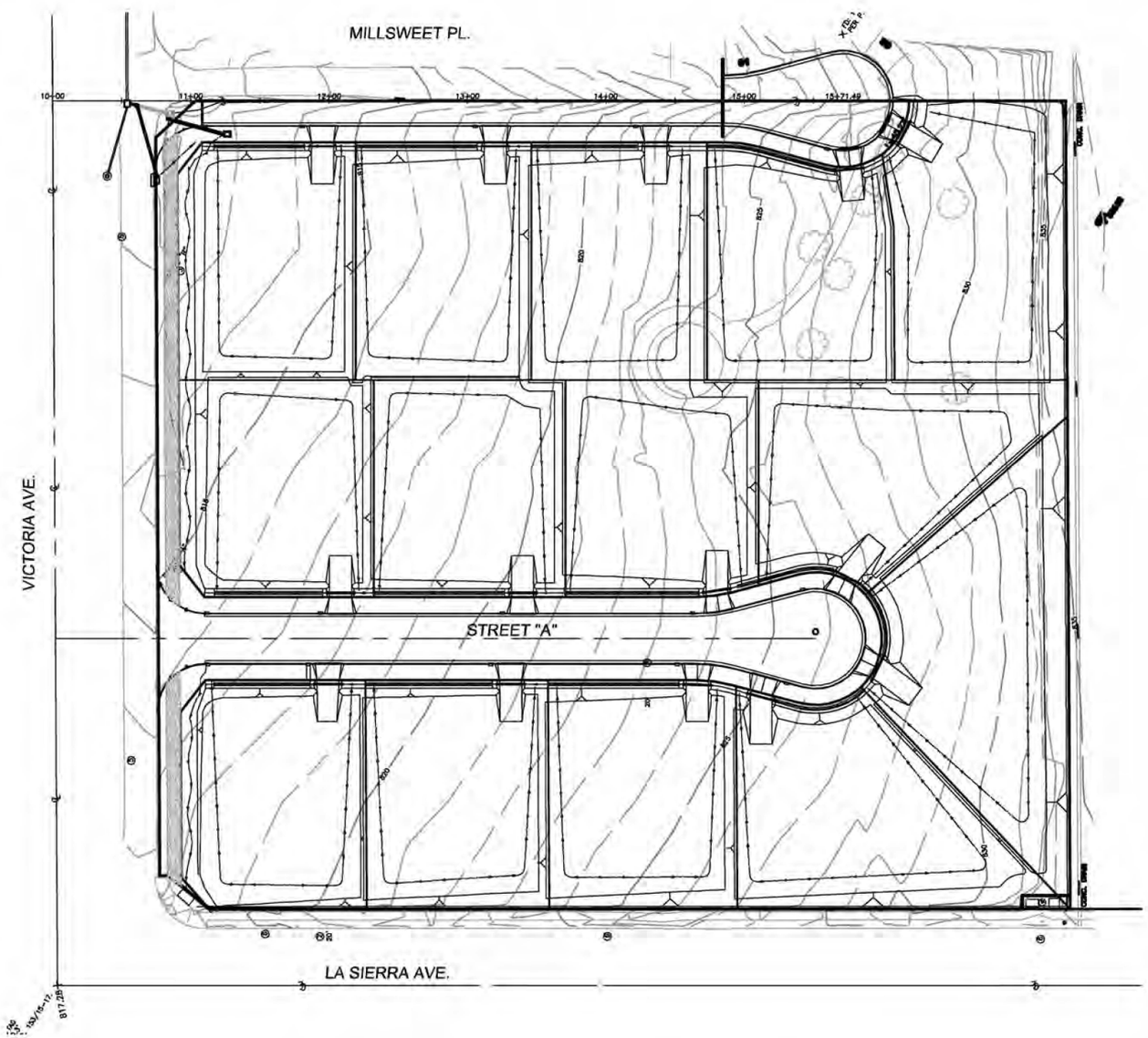
LA SIERRA VICTORIA DEVELOPMENT LLC
HITESH PATEL
19215 WILD MUSTANG CT.
APPLE VALLEY, CA 92307
(760) 963–3475 PH.

PREPARED BY:

SAKE ENGINEERS INC.
400 S. RAMONA AVE. STE. 202
CORONA, CA 92879
(951) 279–4041 PH.
(951) 279–2830 FAX

ASSESSOR PARCEL NUMBER:

136–220–016



REFERENCE DRAWING LIST:

GENERAL:	
DWG. NO.	TITLE
PG. 1	LOCATION MAP, VICINITY MAP, AND DRAWING LIST
PG. 2	BEST MANAGEMENT PRACTICES
DRAINAGE:	
DWG. NO.	TITLE
PG. 3	DRAINAGE PLAN
WATER POLLUTION CONTROL:	
DWG. NO.	TITLE
PG. 4	SITE PLAN

GRAPHIC SCALE
1 inch = 100ft.

REV.	REVISION DESCRIPTION	BY	DATE
REVISIONS			

DESIGNED BY: SA
DRAWN BY: JAC
CHECKED BY: SA

DWG. NO. | TITLE
REFERENCE DWG.

SAKE ENGINEERS, INC.
www.sakeengineers.com
ENGINEERING ● SURVEYING ● LAND DEVELOPMENT
400 S. RAMONA AVE., STE. 202
CORONA, CALIFORNIA 92879
(951) 279–4041 FAX: (951) 279–2830

REGISTERED PROFESSIONAL ENGINEER — JAY ALBARRAN — C053038 — Exp. 9/30/17 — CIVIL — STATE OF CALIFORNIA

WATER POLLUTION CONTROL DRAWINGS

TTM 36713

FILE NO.

DWG. NO.

SHEET 1 OF 4

STORMWATER POLLUTION PREVENTION PLAN

for

[TTM 36713]

RISK LEVEL ***1***

Legally Responsible Person [LRP):

[La Sierra Victoria Development LLC]
[19215 Wild Mustang Ct. Apple Valley, CA 92307]
[Hitesh Patel]
[760-963-3475]

Approved Signatory:

[Hitesh Patel]
[760-963-3475]

Prepared for: [Hitesh Patel]
[La Sierra Victoria Development LLC]
[19215 Wild Mustang Ct. Apple Valley, CA 92307]

Project Address:

[Intersection of La Sierra Ave & Victoria Ave.]

SWPPP Prepared by:

[Sake Engineers Inc.]
[400 S. Ramona Ave. Ste. 202 Corona, Ca 92879]
[Sam Akbarpour]

SWPPP Preparation Date

[4-25-2017]

Estimated Project Dates:

Start of Construction	**10-1-2018**	Completion of Construction	**10-1-2019**

Table of Contents

Table of Contents ..... **i**

Qualified SWPPP Developer **1**

Legally Responsible Person **2**

Amendment Log **3**

Section 1 SWPPP Requirements **4**

1.1 Introduction 4

1.2 Permit Registration Documents 4

1.3 SWPPP Availability and Implementation 5

1.4 SWPPP Amendments 5

1.5 Retention of Records 6

1.6 Required Non-Compliance Reporting 8

1.7 Annual Report 9

1.8 Changes to Permit Coverage 9

1.9 Notice of Termination 9

Section 2 Project Information **10**

2.1 Project and Site Description 10

2.1.1 Site Description 10

2.1.2 Existing Conditions 10

2.1.3 Existing Drainage 10

2.1.4 Geology and Groundwater 10

2.1.5 Project Description 10

2.1.6 Developed Condition 11

2.2 Permits and Governing Documents 11

2.3 Stormwater Run-On from Offsite Areas 11

2.4 Findings of the Construction Site Sediment and Receiving Water Risk Determination 12

2.5 Construction Schedule 13

2.6 Potential Construction Activity and Pollutant Sources 13

2.7 Identification of Non-Stormwater Discharges 13

2.8 Required Site Map Information 14

Section 3 Best Management Practices 16
3.1 Schedule for BMP Implementation 16
3.2 Erosion and Sediment Control 18
3.2.1 Erosion Control 19
3.2.2 Sediment Controls 23
3.3 Non-Stormwater Controls and Waste and Materials Management 27
3.3.1 Non-Stormwater Controls 29
3.3.2 Materials Management and Waste Management 32
3.4 Post construction Stormwater Management Measures 35
Section 4 BMP Inspection, [and] Maintenance [, and Rain Event Action Plans] 37
4.1 BMP Inspection and Maintenance 37
4.2 Rain Event Action Plans 37
Section 5 Training 39
Section 6 Responsible Parties and Operators 40
6.1 Responsible Parties 40
6.2 Contractor List 41
Section 7 Construction Site Monitoring Program 42
7.1 Purpose 42
7.2 Applicability of Permit Requirements 42
7.3. Weather and Rain Event Tracking 43
7.3.1 Weather Tracking 43
7.3.2 Rain Gauges 43
7.4 Monitoring Locations 43
7.5 Safety and Monitoring Exemptions 43
7.6 Visual Monitoring 45
7.6.1 Routine Observations and Inspections 46
7.6.1.1 Routine BMP Inspections 46
7.6.1.2 Non-Stormwater Discharge Observations 46
7.6.2 Rain-Event Triggered Observations and Inspections 46
7.6.2.1 Visual Observations Prior to a Forecasted Qualifying Rain Event 47
7.6.2.2 BMP Inspections During an Extended Storm Event 47
7.6.2.2 Visual Observations Following a Qualifying Rain Event 47

7.6.3 Visual Monitoring Procedures....48
7.6.4 Visual Monitoring Follow-Up and Reporting....48
7.6.5 Visual Monitoring Locations....48
7.7 Water Quality Sampling and Analysis....49
7.7.1 Sampling and Analysis Plan for Non-Visible Pollutants in Stormwater Runoff Discharges....49
7.7.1.1 Sampling Schedule....51
7.7.1.2 Sampling Locations....51
7.7.1.3 Monitoring Preparation....54
7.7.1.4 Analytical Constituents....55
7.7.1.5 Sample Collection....58
7.7.1.6 Sample Analysis....58
7.7.1.7 Data Evaluation and Reporting....61
7.7.2 Sampling and Analysis Plan for pH and Turbidity in Stormwater Runoff Discharges....61
7.7.2.1 Sampling Schedule....61
7.7.2.2 Sampling Locations....62
7.7.2.3 Monitoring Preparation....63
7.7.2.4 Field Parameters....64
7.7.2.5 Sample Collection....64
7.7.2.6 Field Measurements....65
7.7.2.7 Data Evaluation and Reporting....65
7.7.3 Additional Monitoring Following an NEL Exceedance....67
7.7.3.1 Sampling and Analysis Plan for Suspended Sediment Concentration in Stormwater Runoff Discharges....67
7.7.3.2 Sampling and Analysis Plan for pH, Turbidity, and SSC in Receiving Water....69
7.7.4 Sampling and Analysis Plan for Non-Stormwater Discharges....72
7.7.4.1 Sampling Schedule....72
7.7.4.2 Sampling Locations....72
7.7.4.3 Monitoring Preparation....73
7.7.4.4 Analytical Constituents....74
7.7.4.5 Sample Collection....75
7.7.4.6 Sample Analysis....75

7.7.4.7 Data Evaluation and Reporting 75
7.7.5 Sampling and Analysis Plan for Other Pollutants Required by the Regional Water Board 77
7.7.5.1 Sampling Schedule 77
7.7.5.2 Sampling Locations 77
7.7.5.3 Monitoring Preparation 78
7.7.5.4 Sample Collection 79
7.7.5.5 Sample Analysis 79
7.7.5.6 Data Evaluation and Reporting 81
7.7.6 Training of Sampling Personnel 81
7.7.7 Sample Collection and Handling 81
7.7.7.1 Sample Collection 81
7.7.7.2 Sample Handling 82
7.7.7.3 Sample Documentation Procedures 83
7.8 Active Treatment System Monitoring 83
7.9 Bioassessment Monitoring 83
7.10 Watershed Monitoring Option 83
7.11 Quality Assurance and Quality Control 84
7.11.1 Field Logs 84
7.11.2 Clean Sampling Techniques 84
7.11.3 Chain of Custody 84
7.11.4 QA/QC Samples 84
7.11.4.1 Field Duplicates 85
7.11.4.2 Equipment Blanks 85
7.11.4.3 Field Blanks 85
7.11.4.4 Travel Blanks 85
7.11.5 Data Verification 85
7.12 Records Retention 86
CSMP Attachment 1: Weather Reports 88
CSMP Attachment 2: Monitoring Records 90
CSMP Attachment 3: Example Forms 92
CSMP Attachment 4: Field Meter Instructions 103
CSMP Attachment 5: Supplemental Information 105

Section 8 References 107
Appendix A: Calculations 108
Appendix B: Site Maps 110
Appendix C: Permit Registration Documents 112
Appendix D: SWPPP Amendment Certifications 114
Appendix E: Submitted Changes to PRDs 117
Appendix F: Construction Schedule 119
Appendix G: Construction Activities, Materials Used, and Associated Pollutants 121
Appendix H: CASQA Stormwater BMP Handbook Portal: Construction Fact Sheets 125
Appendix I: BMP Inspection Form 127
Appendix J: Project Specific Rain Event Action Plan Template 135
Appendix K: Training Reporting Form 139
Appendix L: Responsible Parties 141
Appendix M: Contractors and Subcontractors 145
Appendix N: Construction General Permit 146

Qualified SWPPP Developer

Approval and Certification of the Stormwater Pollution Prevention Plan

Project Name: *TTM 36713*

Project Number/ID [if applicable]

"This Stormwater Pollution Prevention Plan and Attachments were prepared under my direction to meet the requirements of the California Construction General Permit (SWRCB Orders No. 2009-009-DWQ as amended by Order 2010-0014-DWQ). I certify that I am a Qualified SWPPP Developer in good standing as of the date signed below."

QSD Signature	*Date*
Sam Akbarpour	23412
QSD Name	*QSD Certificate Number*
Civil Engineer	(951) 279-4041
Title and Affiliation	*Telephone Number*
Sam@SakeEngineers.com	
Email	

Legally Responsible Person

Approval and Certification of the Stormwater Pollution Prevention Plan

Project Name: TTM 36713

Project Number/ID [if applicable]

"I certify under penalty of law that this document and all Attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Legally Responsible Person [if organization]

Signature of [Authorized Representative of] Legally Responsible Person or Approved Signatory

Date

Name of [Authorized Representative of] Legally Responsible Person or Approved Signatory

Telephone Number

Amendment Log

Project Name: TTM 36713

Project Number/ID [if applicable]

Amendment No.	Date	Brief Description of Amendment, include section and page number	Prepared and Approved By
			Name: QSD#
			Name: QSD#
			Name: QSD#
			Name: QSD#
			Name: QSD#
			Name: QSD#
			Name: QSD#
			Name: QSD#
			Name: QSD#

Section 1 SWPPP Requirements

1.1 INTRODUCTION

The [TTM 36713] project comprises approximately [8.81 acres] and is located [intersection of La Sierra Ave. & Victoria Ave.] in [Riverside], California. The property is owned by [La Sierra Victoria Development LLC] and is being developed by [La Sierra Victoria Development LLC]. The projects location is shown on the Site Map in Appendix B.

This Stormwater Pollution Prevention Plan (SWPPP) is designed to comply with California's General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities (General Permit) Order No. 2009-0009-DWQ as amended by Order No. 2010-0014-DWQ (NPDES No. CAS000002) issued by the State Water Resources Control Board (State Water Board). This SWPPP has been prepared following the SWPPP Template provided on the California Stormwater Quality Association Stormwater *Best Management Practice Handbook Portal: Construction* (CASQA, 2010). In accordance with the General Permit, Section XIV, this SWPPP is designed to address the following:

- Pollutants and their sources, including sources of sediment associated with construction, construction site erosion and other activities associated with construction activity are controlled;
- Where not otherwise required to be under a Regional Water Quality Control Board (Regional Water Board) permit, all non-stormwater discharges are identified and either eliminated, controlled, or treated;
- Site BMPs are effective and result in the reduction or elimination of pollutants in stormwater discharges and authorized non-stormwater discharges from construction activity to the Best Available Technology/Best Control Technology (BAT/BCT) standard;

Calculations and design details as well as BMP controls for are complete and correct, Appendix A.

1.2 PERMIT REGISTRATION DOCUMENTS

Required Permit Registration Documents (PRDs) shall be submitted to the State Water Board via the Stormwater Multi Application and Report Tracking System (SMARTS) by the Legally Responsible Person (LRP), or authorized personnel (i.e., Approved Signatory) under the direction of the LRP. The project-specific PRDs include:

1. Notice of Intent (NOI);
2. Risk Assessment (Construction Site Sediment and Receiving Water Risk Determination);
3. Site Map;
4. Annual Fee;
5. Signed Certification Statement (LRP Certification is provided electronically with SMARTS PRD submittal); and
6. SWPPP.

Site Maps can be found in Appendix B. A copy of the submitted PRDs shall also be kept in Appendix C along with the Waste Discharge Identification (WDID) confirmation.

Additional PRDs may be required depending on the construction type and location. Modify and include the below test to address items as applicable.

- Post-construction water balance calculation;
- Active Treatment System (ATS) plan; and
- Dischargers proposing an alternate soil erodibility factor must submit justification (documentation of methods used [e.g. soil particle size analysis].

1.3 SWPPP AVAILABILITY AND IMPLEMENTATION

The discharger shall make the SWPPP available at the construction site during working hours (see Section 7.5 of CSMP for working hours) while construction is occurring and shall be made available upon request by a State or Municipal inspector. When the original SWPPP is retained by a crewmember in a construction vehicle and is not currently at the construction site, current copies of the BMPs and map/drawing will be left with the field crew and the original SWPPP shall be made available via a request by radio/telephone. (CGP Section XIV.C)

The SWPPP shall be implemented concurrently with the start of ground disturbing activities.

1.4 SWPPP AMENDMENTS

The SWPPP should be revised when:

- If there is a General Permit violation.
- When there is a reduction or increase in total disturbed acreage (General Permit Section II Part C).
- BMPs do not meet the objectives of reducing or eliminating pollutants in stormwater discharges.

Consider including the following text; modified accordingly

Additionally, the SWPPP shall be amended when:

- There is a change in construction or operations which may affect the discharge of pollutants to surface waters, groundwater(s), or a municipal separate storm sewer system (MS4);
- When there is a change in the project duration that changes the project's risk level; or
- When deemed necessary by the QSD. The QSD has determined that the changes listed in Table 1.1 can be field determined by the QSP. All other changes shall be made by the QSD as formal amendments to the SWPPP.

The following text should be modified accordingly

The following items shall be included in each amendment:

- Who requested the amendment;
- The location of proposed change;

- The reason for change;
- The original BMP proposed, if any; and
- The new BMP proposed.

Amendment shall be logged at the front of the SWPPP and certification kept in Appendix D. The SWPPP text shall be revised replaced, and/or hand annotated as necessary to properly convey the amendment. SWPPP amendments must be made by a QSD. The following changes have been designated by the QSD as "to be field determined" and constitute minor changes that the QSP may implement based on field conditions.

The QSD shall expand or reduce table as needed for construction site

Table 1.1 List of Changes to be Field Determined

Candidate changes for field location or determination by QSP(1)	Check changes that can be field located or field determined by QSP
Increase quantity of an Erosion or Sediment Control Measure	X
Relocate/Add stockpiles or stored materials	X
Relocate or add toilets	X
Relocate vehicle storage and/or fueling locations	X
Relocate areas for waste storage	X
Relocate water storage and/or water transfer location	X
Changes to access points (entrance/exits)	X
Change type of Erosion or Sediment Control Measure	X
Changes to location of erosion or sediment control	X
Minor changes to schedule or phases	X
Changes in construction materials	X
(1) Any field changes not identified for field location or field determination by QSP must be approved by QSD	

1.5 RETENTION OF RECORDS

Paper or electronic records of documents required by this SWPPP shall be retained for a minimum of three years from the date generated or date submitted, whichever is later, for the following items:

- [NONE]
- [NONE]

These records shall be available at the Site until construction is complete. Records assisting in the determination of compliance with the General Permit shall be made available within a reasonable time, to the Regional Water Board, State Water Board or U.S. Environmental Protection Agency (EPA) upon request. Requests by the Regional Water Board for retention of records for a period longer than three years shall be adhered to.

1.6 REQUIRED NON-COMPLIANCE REPORTING

If a discharge violation occurs the QSP shall immediately notify the LRP and the LRP shall file a violation report electronically to the Regional Water Board [within 30 days] of identification of non-compliance using SMARTS. Corrective measures will be implemented immediately following the discharge or written notice of non-compliance from the Regional Water Board. Discharges and corrective actions will be documented on the NAL/NEL Exceedance Site Evaluation Report Form in CSMP Attachment 3 "Example Forms."

The report to the LRP and to the Regional Water Board will contain the following items:

- The date, time, location, nature of operation and type of unauthorized discharge.
- The cause or nature of the notice or order.
- The control measures (BMPs) deployed before the discharge event, or prior to receiving notice or order.

The date of deployment and type of control measures (BMPs) deployed after the discharge event, or after receiving the notice or order, including additional measures installed or planned to reduce or prevent re-occurrence.

[Include the Regional Water Board requirements if any]

1.7 ANNUAL REPORT

The General Permit requires that permittees prepare, certify, and electronically submit an Annual Report no later than September 1st of each year. Reporting requirements are identified in Section XVI of the General Permit. Annual reports will be filed in SMARTS and in accordance with information required by the on-line forms.

1.8 CHANGES TO PERMIT COVERAGE

The General Permit allows for the reduction or increase of the total acreage covered under the General Permit when: a portion of the project is complete and/or conditions for termination of coverage have been met; when ownership of a portion of the project is purchased by a different entity; or when new acreage is added to the project.

Modified PRDs shall be filed electronically within 30 days of a reduction or increase in total disturbed area if a change in permit covered acreage is to be sought. The SWPPP shall be modified appropriately, shall be logged at the front of the SWPPP and cetrification of SWPPP amendments are to be kept in Appendix D. Updated PRDs submitted electronically via SMARTS can be found in Appendix E.

1.9 NOTICE OF TERMINATION

A Notice of Termination (NOT) must be submitted electronically by the LRP via SMARTS to terminate coverage under the General Permit. The NOT must include a final Site Map and representative photographs of the project site that demonstrate final stabilization has been achieved. The NOT shall be submitted within 90 days of completion of construction. The Regional Water Board will consider a construction site complete when the conditions of the General Permit, Section II.D have been met.

Section 2 Project Information

2.1 PROJECT AND SITE DESCRIPTION

2.1.1 Site Description

The [TTM 36713] project site comprises approximately [8.81 acres] and is located [intersection of La Sierra Ave. & Victoria Ave.] in [Riverside], California. The project site is located approximately [1.00 mile south] of [Interstate-91. The project site is located approximately [0.97 mile south] of [Arlington Valley Channel]. The project is located at [Lat = 33.887564 / Long = -117.462140] and is identified on the Site Map in Appendix B.

2.1.2 Existing Conditions

As of the initial date of this SWPPP, the project site is [existing orange groves]. The project site was previously developed with [land use= LDR]. Historic sources of contamination include: [there are no known historic sources of contamination at the site].

2.1.3 Existing Drainage

The project site is [slopes to the north]. The elevation of the project site ranges from [833 to 812] feet above mean sea level (msl). Surface drainage at the site currently flows to the [north], towards [storm drain inlet]. Stormwater is conveyed through [storm drain system]. Stormwater discharges, from the site, [are not] considered direct discharges, as defined by the State Water Board [Santa Ana River]. Existing site topography, drainage patterns, and stormwater conveyance systems are shown on [W.P.C.D. Pg. 4].

The project discharges to [Santa Ana River] that [is not] listed for water quality impairment on the most recent 303(d)-list [for:

- [LIST]
- [LIST]

2.1.4 Geology and Groundwater

The site is underlain by [alluvial soils consisting of silty sand, sandy silt and silty clay.]. Groundwater occurs beneath the site at approximately [+/-10] feet below ground surface.

2.1.5 Project Description

Project grading will occur on approximately [8.81 acres] of the project, which comprises approximately [100] percent of the total area. The limits of grading are shown on [W.P.C.D. Pg. 4] in Appendix B. Grading will include [both cut and fill activities], with the total graded material estimated to be [number] cubic yards. Approximately [number] cubic yards of fill material will be imported during grading activities. Graded materials are expected to be [balanced onsite/hauled away]. Soil will be stockpiled [describe locations] as shown on [W.P.C.D. Pg. 4] in Appendix B.

2.1.6 Developed Condition

Post construction surface drainage will be directed to the [north] as surface flow through stormwater conveyance systems [sheet flow] towards and will discharge [public storm drain system].

Post construction drainage patterns and conveyance systems are presented on [W.P.C.D. Pg. 4] in Appendix B.

Table 2.1 Construction Site Estimates

Construction site area	8.81	acres
Percent impervious before construction	1	%
Runoff coefficient before construction		
Percent impervious after construction	7	%
Runoff coefficient after construction		

2.2 PERMITS AND GOVERNING DOCUMENTS

In addition to the General Permit, the following documents have been taken into account while preparing this SWPPP

- Regional Water Board requirements
- Basin Plan requirements
- Contract Documents
- Air Quality Regulations and Permits
- Federal Endangered Species Act
- National Historic Preservation Act/Requirements of the State Historic Preservation Office
- State of California Endangered Species Act
- Clean Water Act Section 401 Water Quality Certifications and 404 Permits
- CA Department of Fish and Game 1600 Streambed Alteration Agreement

2.3 STORMWATER RUN-ON FROM OFFSITE AREAS

There is no anticipated offsite run-on to this construction site because [Describe reasons for no offsite run-on [e.g., existing BMPs or stormwater conveyance system to prevent on-site flow, no up-gradient drainage area, etc.)].

2.4 FINDINGS OF THE CONSTRUCTION SITE SEDIMENT AND RECEIVING WATER RISK DETERMINATION

Part A

A construction site risk assessment has been performed for the project and the resultant risk level is Risk Level [1].

The risk level was determined though the use of the [SMARTS]. The risk level is based on project duration, location, proximity to impaired receiving waters and soil conditions. A copy of the Risk Level determination submitted on SMARTS with the PRDs is included in Appendix C.

Part B

Table 2.2 and Table 2.3 summarize the sediment and receiving water risk factors and document the sources of information used to derive the factors.

Table 2.2 Summary of Sediment Risk

RUSLE Factor	**Value**	**Method for establishing value**
R	28.88	SMARTS
K	0.24	SMARTS
LS	1.25393343	SMARTS
Total Predicted Sediment Loss (tons/acre)		**8.691263390016**
Overall Sediment Risk Low Sediment Risk < 15 tons/ acre Medium Sediment Risk >= 15 and < 75 tons/acre High Sediment Risk >= 75 tons/acre		☒ **Low** ☐ **Medium** ☐ **High**

Runoff from the project site discharges into [Santa Ana river] that discharge into [water body, and eventually into the water body].

Table 2.3 Summary of Receiving Water Risk

Receiving Water Name	**303(d) Listed for Sediment Related Pollutant(1)**	**TMDL for Sediment Related Pollutant(1)**	**Beneficial Uses of COLD, SPAWN, and MIGRATORY(1)**
[Santa Ana river]	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No
Overall Receiving Water Risk			☒ **Low** ☐ **High**
(1) If yes is selected for any option the Receiving Water Risk is High			

For all SWPPPs select the appropriate Risk Level and modify accordingly

Risk Level 1

Risk Level 1 sites are subject to the narrative effluent limitations specified in the General Permit. The narrative effluent limitations require stormwater discharges associated with construction activity to minimize or prevent pollutants in stormwater and authorized non-stormwater through the use of controls, structures, and best management practices. This SWPPP has been prepared to address Risk Level 1 requirements (General Permit Attachment C).

2.5 CONSTRUCTION SCHEDULE

The site sediment risk was determined based on construction taking place between [10-1-2018] and [10-1-2019]. Modification or extension of the schedule (start and end dates) may affect risk determination and permit requirements. The LRP shall contact the QSD if the schedule changes during construction to address potential impact to the SWPPP. The estimated schedule for planned work can be found in Appendix F.

[Include additional descriptions of significant grading phases and work near drainages or receiving water.]

2.6 POTENTIAL CONSTRUCTION ACTIVITY AND POLLUTANT SOURCES

Appendix G includes a list of construction activities and associated materials that are anticipated to be used onsite. These activities and associated materials will or could potentially contribute pollutants, other than sediment, to stormwater runoff.

The anticipated activities and associated pollutants were used in Section 3 to select the Best Management Practices for the project. Location of anticipated pollutants and associated BMPs are show on the Site Map in Appendix B.

For sampling requirements for non-visible pollutants associated with construction activity please refer to Section 7.7.1. For a full and complete list of onsite pollutants, refer to the Material Safety Data Sheets (MSDS), which are retained onsite at the construction trailer.

2.7 IDENTIFICATION OF NON-STORMWATER DISCHARGES

Non-stormwater discharges consist of discharges which do not originate from precipitation events. The General Permit provides allowances for specified non-stormwater discharges that do not cause erosion or carry other pollutants.

Non-stormwater discharges into storm drainage systems or waterways, which are not authorized under the General Permit and listed in the SWPPP, or authorized under a separate NPDES permit, are prohibited.

Non-stormwater discharges that are authorized from this project site include the following:

- [NONE]
- [NONE]

These authorized non-stormwater discharges will be managed with the stormwater and non-stormwater BMPs described in Section 3 of this SWPPP and will be minimized by the QSP.

Activities at this site that may result in unauthorized non-stormwater discharges include:

- [NONE]
- [NONE]

Steps will be taken, including the implementation of appropriate BMPs, to ensure that unauthorized discharges are eliminated, controlled, disposed, or treated on-site.

Discharges of construction materials and wastes, such as fuel or paint, resulting from dumping, spills, or direct contact with rainwater or stormwater runoff, are also prohibited.

Consider including the following text, not required by CGP

The following discharge(s) have been authorized by (a) regional NPDES permit(s):

- [LIST Discharge and Governing Permit or State NONE]

2.8 REQUIRED SITE MAP INFORMATION

The construction project's Site Map(s) showing the project location, surface water boundaries, geographic features, construction site perimeter and general topography and other requirements identified in Attachment B of the General Permit is located in Appendix B. Table 2.6 identifies Map or Sheet Nos. where required elements are illustrated.

Table 2.6 Required Map Information

Included on Map/Plan Sheet No. (1)	Required Element
Pg. 1	The project's surrounding area (vicinity)
Pg. 4	Site layout
Pg. 4	Construction site boundaries
Pg. 3	Drainage areas
N/A	Discharge locations
N/A	Sampling locations
N/A	Areas of soil disturbance (temporary or permanent)
Pg. 4	Active areas of soil disturbance (cut or fill)
Pg. 4	Locations of runoff BMPs
Pg. 4	Locations of erosion control BMPs
Pg. 4	Locations of sediment control BMPs
N/A	ATS location (if applicable)
Pg. 4	Locations of sensitive habitats, watercourses, or other features which are not to be disturbed
Pg. 4	Locations of all post construction BMPs
Pg. 4	Waste storage areas

Table 2.6 Required Map Information

Included on Map/Plan Sheet No. (1)	Required Element
Pg. 4	Vehicle storage areas
Pg. 4	Material storage areas
Pg. 1	Entrance and Exits
Pg. 4	Fueling Locations

Notes: (1) Indicate maps or drawings that information is included on (e.g., Vicinity Map, Site Map, Drainage Plans, Grading Plans, Progress Maps, etc.)

Section 3 Best Management Practices

3.1 SCHEDULE FOR BMP IMPLEMENTATION

[Include additional descriptions of significant grading phases and work near drainages or receiving water.]

Table 3.1 BMP Implementation Schedule

	BMP	Implementation	Duration
Erosion Control	EC-1, Scheduling	Prior to Construction	Entirety of Project
Sediment Control	SE-7 Street Sweeping and Vacuuming	During the Construction	Entirety of Project
	SE-8 Sandbag Barrier	Start of Construction	Entirety of Project
Tracking Control	TC-1 Stabilized Construction Entrance/Exit	Start of Construction	Entirety of Project
Wind Erosion			

3.2 EROSION AND SEDIMENT CONTROL

Erosion and Sediment Control Worksheet				
General Permit BMP Requirements	**Applicable to Project?**	**CGP Pg #**	**Associated CASQA BMPs**	**Selected BMPs**
BMP Requirements for Erosion and Sediment Control (Attachment C, D, & E parts D and E)				
Implement effective wind erosion control.	NO	Pg 5 of Att. C, D & E	WE-1	
Provide effective soil cover for inactive areas and finished slopes, open space, utility backfill, and completed lots.	NO	Pg 5 of Att. C, D & E	EC-5 EC-16	
Limit the use of plastic materials when more sustainable, environmentally friendly alternatives exist. Where plastic materials are deemed necessary, the QSD shall consider the use of plastic materials resistant to solar degradation.	NO	Pg 5 of Att. C, D & E	WM-3	
Establish and maintain effective perimeter controls and stabilize construction entrances and exits to sufficiently control erosion and sediment discharges from the site.	YES	Pg 5 of Att. C, D & E	SE-1 ,SE-5 SE-7, TC-1 TC-2, TC-3 WM-3	SE-7, TC-1
On sites where sediment basins are to be used, at a minimum, design sediment basins according to the method provided in *Stormwater BMP Handbook Portal: Construction*.	NO	Pg 5 of Att. C, D & E	SE-02	
Implement appropriate erosion control BMPs (runoff control and soil stabilization) in conjunction with sediment control BMPs for areas under active[4] construction.	YES	Pg 5 of Att. C, D & E	EC-1, EC-2 EC-5, EC-9 EC-10, EC-16 SE-1, SE-4 SE-5,	EC-1
Apply linear sediment controls along the toe of the slope; face of the slope; and at the grade breaks of exposed slopes to comply with sheet flow lengths in accordance with General Permit.	RL 2 and 3 only	Pg 5 of Att. D & E	SE-1 ,SE-5 SE-7	
Ensure that construction activity traffic to and from the project is limited to entrances and exits that employ effective controls to prevent offsite tracking of sediment.	RL 2 and 3 only	Pg 6 of Att. D & E	TC-1 TC-2 TC-3 SE-7	

Erosion and Sediment Control Worksheet				
General Permit BMP Requirements	**Applicable to Project?**	**CGP Pg #**	**Associated CASQA BMPs**	**Selected BMPs**
Ensure that storm drain inlets and perimeter controls, runoff control BMPs, and pollutant controls at entrances and exits (e.g. tire wash-off locations) are maintained and protected from activities that reduce their effectiveness.	RL 2 and 3 only	Pg 6 of Att. D & E	All BMPs	
Inspect on a daily basis immediate access roads. At a minimum daily (when necessary) and prior to a rain event. The LRP shall remove sediment or other construction activity-related materials that are deposited on the roads (by vacuuming or sweeping).	RL 2 and 3 only	Pg 6 of Att. D & E	TC-1 TC-2 TC-3 SE-7	
The Regional Water Board may require implementation of additional site-specific sediment control requirements if the implementation of the other requirements in this section is not adequately protecting the receiving waters.		Pg 5 Att. C Pg 6 Att. D & E	N/A	
BMP Requirements for Run-on and Runoff Controls (Attachment C, D, & E parts F)				
Effectively manage run-on, runoff within the site and runoff that discharge off the site.		Pg 5 Att. C Pg 6 Att. D & E		
Run-on from off-site shall be directed away from disturbed areas or shall collectively be in compliance with the effluent limitation in the CGP.		Pg 5 Att. C Pg 6 Att. D & E		
BMP Requirements for Air Deposition (Attachment C, D, & E parts B.6)				
Control the air deposition of site materials and from site operations. Such particulates can include, but are not limited to, sediment, nutrients, trash, metals, bacteria, oil and grease and organics.	No	Pg 4 of Att. C, D & E	WE-1	

Erosion and sediment controls are required by the General Permit to provide effective reduction or elimination of sediment related pollutants in stormwater discharges and authorized non-stormwater discharges from the Site. Applicable BMPs are identified in this section for erosion control, sediment control, tracking control, and wind erosion control.

3.2.1 Erosion Control

Erosion control, also referred to as soil stabilization, consists of source control measures that are designed to prevent soil particles from detaching and becoming transported in stormwater runoff. Erosion control BMPs protect the soil surface by covering and/or binding soil particles.

This construction project will implement the following practices to provide effective temporary and final erosion control during construction:

1. Preserve existing vegetation where required and when feasible.
2. The area of soil disturbing operations shall be controlled such that the Contractor is able to implement erosion control BMPs quickly and effectively.
3. Stabilize non-active areas within 14 days of cessation of construction activities or sooner if stipulated by local requirements.
4. Control erosion in concentrated flow paths by applying erosion control blankets, check dams, erosion control seeding or alternate methods.
5. Prior to the completion of construction, apply permanent erosion control to remaining disturbed soil areas.

Sufficient erosion control materials shall be maintained onsite to allow implementation in conformance with this SWPPP.

The following temporary erosion control BMP selection table indicates the BMPs that shall be implemented to control erosion on the construction site. Fact Sheets for temporary erosion control BMPs are provided in Appendix H.

Table 3.2 Temporary Erosion Control BMPs

CASQA Fact Sheet	BMP Name	Meets a Minimum Requirement[1]	BMP Used		If not used, state reason
			YES	NO	
EC-1	Scheduling	✓	**X**		
EC-2	Preservation of Existing Vegetation	✓		X	Not Required for Project
EC-3	Hydraulic Mulch	✓[2]		X	Not Required for Project
EC-4	Hydroseed	✓[2]		X	Not Required for Project
EC-5	Soil Binders	✓[2]		X	Not Required for Project
EC-6	Straw Mulch	✓[2]		X	Not Required for Project
EC-7	Geotextiles and Mats	✓[2]		X	Not Required for Project
EC-8	Wood Mulching	✓[2]		X	Not Required for Project
EC-9	Earth Dike and Drainage Swales	✓[3]		X	Not Required for Project
EC-10	Velocity Dissipation Devices			X	Not Required for Project
EC-11	Slope Drains			X	Not Required for Project
EC-12	Stream Bank Stabilization			X	Not Required for Project
EC-14	Compost Blankets	✓[2]		X	Not Required for Project
EC-15	Soil Preparation-Roughening			X	Not Required for Project
EC-16	Non-Vegetated Stabilization	✓[2]		X	Not Required for Project
WE-1	Wind Erosion Control	✓		X	Not Required for Project
Alternate BMPs Used:					**If used, state reason:**

[1] Applicability to a specific project shall be determined by the QSD.
[2] The QSD shall ensure implementation of one of the minimum measures listed or a combination thereof to achieve and maintain the Risk Level requirements.
[3] Run-on from offsite shall be directed away from all disturbed areas, diversion of offsite flows may require design/analysis by a licensed civil engineer and/or additional environmental permitting

These temporary erosion control BMPs shall be implemented in conformance with the following guidelines and as outlined in the BMP Factsheets provided in Appendix H. If there is a conflict between documents, the Site Map will prevail over narrative in the body of the SWPPP or guidance in the BMP Fact Sheets. Site specific details in the Site Map prevail over standard details included in the Site Map. The narrative in the body of the SWPPP prevails over guidance in the BMP Fact Sheets.

Scheduling

-Avoid rainy periods. Schedule major grading operations during dry months when practical. Allow enough time before rainfall begins to stabilize the soil with vegetation or physical means or to install sediment trapping devices.

-Plan the project and develop a schedule showing each phase of construction. Clearly show how the rainy season relates to soil disturbing and re-stabilization activities. Incorporate the construction schedule into the SWPPP.

-Include on the schedule, details on the rainy season implementation and deployment of:

-Erosion control BMPs
-Sediment control BMPs
-Tracking control BMPs
-Wind erosion control BMPs
-Non-stormwater BMPs
-Waste management and materials pollution control BMPs

-Include dates for activities that may require non-stormwater discharges such as dewatering, sawcutting, grinding, drilling, boring, crushing, blasting, painting, hydro-demolition, mortar mixing, pavement cleaning, etc.

-Work out the sequencing and timetable for the start and completion of each item such as site clearing and grubbing, grading, excavation, paving, foundation pouring utilities installation, etc., to minimize the active construction area during the rainy season.

-Sequence trenching activities so that most open portions are closed before new trenching begins.
-Incorporate staged seeding and re-vegetation of graded slopes as work progresses.
-Schedule establishment of permanent vegetation during appropriate planting time for specified vegetation.

-Non-active areas should be stabilized as soon as practical after the cessation of soil disturbing activities or one day prior to the onset of precipitation.

-Monitor the weather forecast for rainfall.

-When rainfall is predicted, adjust the construction schedule to allow the implementation of soil stabilization and sediment treatment controls on all disturbed areas prior to the onset of rain.

-Be prepared year round to deploy erosion control and sediment control BMPs. Erosion may be caused during dry seasons by un-seasonal rainfall, wind, and vehicle tracking. Keep the site

stabilized year round, and retain and maintain rainy season sediment trapping devices in operational condition.

-Apply permanent erosion control to areas deemed substantially complete during the project's defined seeding window.

3.2.2 Sediment Controls

Sediment controls are temporary or permanent structural measures that are intended to complement the selected erosion control measures and reduce sediment discharges from active construction areas. Sediment controls are designed to intercept and settle out soil particles that have been detached and transported by the force of water.

The following sediment control BMP selection table indicates the BMPs that shall be implemented to control sediment on the construction site. Fact Sheets for temporary sediment control BMPs are provided in Appendix H.

Table 3.3 Temporary Sediment Control BMPs

CASQA Fact Sheet	BMP Name	Meets a Minimum Requirement[1]	BMP used		If not used, state reason
			YES	NO	
SE-1	Silt Fence	✓[2] [3]		**X**	Not Required for Project
SE-2	Sediment Basin			X	Not Required for Project
SE-3	Sediment Trap			X	Not Required for Project
SE-4	Check Dams			X	Not Required for Project
SE-5	Fiber Rolls	✓[2][3]		X	Not Required for Project
SE-6	Gravel Bag Berm	✓[3]		X	Not Required for Project
SE-7	Street Sweeping	✓	X		
SE-8	Sandbag Barrier		X		
SE-9	Straw Bale Barrier			X	Not Required for Project
SE-10	Storm Drain Inlet Protection	✓ RL2&3		X	Not Required for Project
SE-11	ATS			X	Not Required for Project
SE-12	Temporary Silt Dike			X	Not Required for Project
SE-13	Compost Sock and Berm	✓[3]		X	Not Required for Project
SE-14	Biofilter Bags	✓[3]		X	Not Required for Project
TC-1	Stabilized Construction Entrance and Exit	✓	X		
TC-2	Stabilized Construction Roadway			X	Not Required for Project
TC-3	Entrance Outlet Tire Wash			X	Not Required for Project
Alternate BMPs Used:					**If used, state reason:**

[1] Applicability to a specific project shall be determined by the QSD
[2] The QSD shall ensure implementation of one of the minimum measures listed or a combination thereof to achieve and maintain the Risk Level requirements
[3]Risk Level 2 &3 shall provide linear sediment control along toe of slope, face of slope, and at the grade breaks of exposed slope

These temporary sediment control BMPs shall be implemented in conformance with the following guidelines and in accordance with the BMP Fact Sheets provided in Appendix H. If there is a conflict between documents, the Site Map will prevail over narrative in the body of the SWPPP or guidance in the BMP Fact Sheets. Site specific details in the Site Map prevail over standard details included in the Site Map. The narrative in the body of the SWPPP prevails over guidance in the BMP Fact Sheets.

Street Sweeping

-Controlling the number of points where vehicles can leave the site will allow sweeping and vacuuming efforts to be focused, and perhaps save money.
- Inspect potential sediment tracking locations daily.

-Visible sediment tracking should be swept or vacuumed on a daily basis.

-Do not use kick brooms or sweeper attachments. These tend to spread the dirt rather than remove it.

-If not mixed with debris or trash, consider incorporating the removed sediment back into the project

Sandbag Barrier

General
A sandbag barrier consists of a row of sand-filled bags placed on a level contour. When appropriately placed, a sandbag barrier intercepts and slows sheet flow runoff, causing temporary ponding. The temporary ponding allows sediment to settle. Sand-filled bags have limited porosity, which is further limited as the fine sand tends to quickly plug with sediment, limiting or completely blocking the rate of flow through the barrier. If a porous barrier is desired, consider SE-1, Silt Fence, SE-5, Fiber Rolls, SE-6, Gravel Bag Berms or SE-14, Biofilter Bags. Sandbag barriers also interrupt the slope length and thereby reduce erosion by reducing the tendency of sheet flows to concentrate into rivulets which erode rills, and ultimately gullies, into disturbed, sloped soils. Sandbag barriers are similar to gravel bag berms, but less porous. Generally, sandbag barriers should be used in conjunction with temporary soil stabilization controls up slope to provide effective erosion and sediment control.

Stabilized Construction Entrance and Exit

-Entrances and exits require periodic top dressing with additional stones.

-This BMP should be used in conjunction with street sweeping on adjacent public right of way.

-Entrances and exits should be constructed on level ground only.

-Stabilized construction entrances are rather expensive to construct and when a wash rack is included, a sediment trap of some kind must also be provided to collect wash water runoff.

A stabilized construction entrance is a pad of aggregate underlain with filter cloth located at any point where traffic will be entering or leaving a construction site to or from a public right of way, street, alley, sidewalk, or parking area. The purpose of a stabilized construction entrance is to reduce or eliminate the tracking of sediment onto public rights of way or streets. Reducing tracking of sediments and other pollutants onto paved roads helps prevent deposition of sediments into local storm drains and production of airborne dust.

Where traffic will be entering or leaving the construction site, a stabilized construction entrance should be used. NPDES permits require that appropriate measures be implemented to prevent tracking of sediments onto paved roadways, where a significant source of sediments is derived from mud and dirt carried out from unpaved roads and construction sites.

Stabilized construction entrances are moderately effective in removing sediment from equipment leaving a construction site. The entrance should be built on level ground. Advantages of the Stabilized Construction Entrance/Exit is that it does remove some sediment from equipment and serves to channel construction traffic in and out of the site at specified locations. Efficiency is greatly increased when a washing rack is included as part of a stabilized construction entrance/exit.

3.3 NON-STORMWATER CONTROLS AND WASTE AND MATERIALS MANAGEMENT

Non-Stormwater, Construction Materials & Waste Management Worksheet				
BMP Requirements	**Applicable to Project?**	**CGP Pg#**	**Associated CASQA BMPs**	**BMP selected for SWPPP**
BMP Requirements for Waste Management (Attachment C, D and E part B.2)				
Prevent disposal of rinse or wash waters or materials on impervious or pervious site surfaces or into the storm drain system.	YES	Pg 2, Att. C, D & E	NS-1, NS-3 NS-8, NS-12 NS-13	NS-8
Ensure the containment of sanitation facilities (e.g., portable toilets) to prevent discharges of pollutants to the stormwater drainage system or receiving water.	YES	Pg 2, Att. C, D & E	WM-9	WM-9
Clean or replace sanitation facilities and inspecting them regularly for leaks and spills.	YES	Pg 2, Att. C, D & E	WM-9	WM-9
Cover waste disposal containers at the end of every business day and during a rain event.	NO	Pg 2, Att. C, D & E	WM-1 , M-2 WM-4 , M-5 WM-6, WM-7 WM-10	
Prevent discharges from waste disposal containers to the stormwater drainage system or receiving water.	YES	Pg 2, Att. C, D & E	WM-1, WM-2 WM-4, WM-5 WM-6, WM-7 WM-9, WM-10	WM-9
Contain and securely protect stockpiled waste material from wind and rain at all times unless actively being used.	NO	Pg 2, Att. C, D & E	WM-3	
Implement procedures that effectively address hazardous and non-hazardous spills.	NO	Pg 2, Att. C, D & E	WM-4	
Develop a spill response and implementation element of the SWPPP prior to commencement of construction activities. The SWPPP shall require that: Equipment and materials for cleanup of spills shall be available onsite and that spills and leaks shall be cleaned up immediately and disposed of properly; and appropriate spill response personnel are assigned and trained.	NO	Pg 2, Att. C, D & E	WM-4	
Ensure the containment of concrete washout areas and other washout areas that may contain additional pollutants so there is no discharge into the underlying soil and onto the surrounding areas.	YES	Pg 3, Att. C, D & E	WM-8	WM-8
BMP Requirements for Construction Material (Attachment C, D, and E part B.1)				
Conduct an inventory of the products used and/or expected to be used and the end products that are produced and/or expected to be produced.		Pg 1, Att. C, D & E		

Non-Stormwater, Construction Materials & Waste Management Worksheet				
BMP Requirements	**Applicable to Project?**	**CGP Pg#**	**Associated CASQA BMPs**	**BMP selected for SWPPP**
Cover and berm loose stockpiled construction materials that are not actively being used (i.e. soil, spoils, aggregate, fly-ash, stucco, hydrated lime, etc.).	NO	Pg 1, Att. C, D & E	WM-3	
Store chemicals in watertight containers (with appropriate secondary containment to prevent spillage or leakage) or in a storage shed (completely enclosed).	NO	Pg 2, Att. C, D & E	WM-1, WM-2 WM-4, WM-6	
Minimize exposure of construction materials to precipitation.	NO	Pg 2, Att. C, D & E	WM-1, WM-2 WM-4, WM-5 WM-6, WM-7 WM-10	
Implement BMPs to prevent the off-site tracking of loose construction and landscape materials.	YES	Pg 2, Att. C, D & E	TC-1 TC-2 TC-3	TC-1
BMP Requirements for Vehicle Storage and Maintenance (Attachment C, D and E, part B.3)				
Prevent oil, grease, or fuel from leaking into the ground, storm drains or surface waters.	NO	Pg 3, Att. C, D & E	NS-9 NS-10	
Place equipment or vehicles, which are to be fueled, maintained and stored in a designated area fitted with appropriate BMPs.	NO	Pg 2, Att. C, D & E	WM-2, WM-4 NS-9, NS-10	
Clean leaks immediately and disposing of leaked materials properly.	NO	Pg 2, Att. C, D & E	WM-4	
BMP Requirements to Control Non-Stormwater Discharges (Attachment C, D and E part C)				
Implement measures to control non-stormwater discharges during construction.	YES	Pg 4, Att. C, D & E	NS-3, NS-8 NS-9, NS-10 NS-12, NS-13 TC-1, TC-2 TC-3	
Wash vehicles in such a manner as to prevent non-stormwater discharges to surface waters or MS4 drainage systems.	YES	Pg 4, Att. C, D & E	NS-8	
Clean streets in such a manner as to prevent non-stormwater discharges from reaching surface water or MS4 drainage systems.	YES	Pg 4, Att. C, D & E	TC-1, TC-2 TC-3, SE-7	

3.3.1 Non-Stormwater Controls

Non-stormwater discharges into storm drainage systems or waterways, which are not authorized under the General Permit, are prohibited. Non-stormwater discharges for which a separate NPDES permit is required by the local Regional Water Board are prohibited unless coverage under the separate NPDES permit has been obtained for the discharge. The selection of non-stormwater BMPs is based on the list of construction activities with a potential for non-stormwater discharges identified in Section 2.7 of this SWPPP.

The following non-stormwater control BMP selection table indicates the BMPs that shall be implemented to control sediment on the construction site. Fact Sheets for temporary non-stormwater control BMPs are provided in Appendix H.

Table 3.4 Temporary Non-Stormwater BMPs

CASQA Fact Sheet	BMP Name	Meets a Minimum Requirement[1]	BMP used		If not used, state reason
			YES	NO	
NS-1	Water Conservation Practices	✓		X	Not Required for Project
NS-2	Dewatering Operation			X	Not Required for Project
NS-3	Paving and Grinding Operation			X	Not Required for Project
NS-4	Temporary Stream Crossing			X	Not Required for Project
NS-5	Clear Water Diversion			X	Not Required for Project
NS-6	Illicit Connection- Illegal Discharge Connection	✓		X	Not Required for Project
NS-7	Potable Water Irrigation Discharge Detection			X	Not Required for Project
NS-8	Vehicle and Equipment Cleaning	✓	X		
NS-9	Vehicle and Equipment Fueling	✓		X	Not Required for Project
NS-10	Vehicle and Equipment Maintenance	✓		X	Not Required for Project
NS-11	Pile Driving Operation			X	Not Required for Project
NS-12	Concrete Curing			X	Not Required for Project
NS-13	Concrete Finishing			X	Not Required for Project
NS-14	Material and Equipment Use Over Water			X	Not Required for Project
NS-15	Demolition Removal Adjacent to Water			X	Not Required for Project
NS-16	Temporary Batch Plants			X	Not Required for Project
Alternate BMPs Used:			**If used, state reason:**		

[1] Applicability to a specific project shall be determined by the QSD

Non-stormwater BMPs shall be implemented in conformance with the following guidelines and in accordance with the BMP Fact Sheets provided in Appendix H. If there is a conflict between documents, the Site Map will prevail over narrative in the body of the SWPPP or guidance in the BMP Fact Sheets. Site specific details in the Site Map prevail over standard details included in the Site Map. The narrative in the body of the SWPPP prevails over guidance in the BMP Fact Sheets.

Vehicle and Equipment Cleaning

-Other options to washing equipment onsite include contracting with either an offsite or mobile commercial washing business. These businesses may be better equipped to handle and dispose of the wash waters properly. Performing this work offsite can also be economical by eliminating the need for a separate washing operation onsite.

-If washing operations are to take place onsite, then:

-Use phosphate-free, biodegradable soaps.

-Educate employees and subcontractors on pollution prevention measures.

-Do not permit steam cleaning onsite. Steam cleaning can generate significant pollutant concentrates.

-Cleaning of vehicles and equipment with soap, solvents or steam should not occur on the project site unless resulting wastes are fully contained and disposed of. Resulting wastes should not be discharged or buried, and must be captured and recycled or disposed according to the requirements of WM-10, Liquid Waste Management or WM-6, Hazardous Waste Management, depending on the waste characteristics. Minimize use of solvents. Use of diesel for vehicle and equipment cleaning is prohibited.

-All vehicles and equipment that regularly enter and leave the construction site must be cleaned offsite.

-When vehicle and equipment washing and cleaning must occur onsite, and the operation cannot be located within a structure or building equipped with appropriate disposal facilities, the outside cleaning area should have the following characteristics:

- -Located away from storm drain inlets, drainage facilities, or watercourses
- -Paved with concrete or asphalt and bermed to contain wash waters and to prevent runon and runoff
- -Configured with a sump to allow collection and disposal of wash water
- -No discharge of wash waters to storm drains or watercourses
- -Used only when necessary

-When cleaning vehicles and equipment with water:

- -Use as little water as possible. High-pressure sprayers may use less water than a hose and should be considered

-Use positive shutoff valve to minimize water usage

-Facility wash racks should discharge to a sanitary sewer, recycle system or other approved discharge system and must not discharge to the storm drainage system, watercourses, or to groundwater

3.3.2 Materials Management and Waste Management

Materials management control practices consist of implementing procedural and structural BMPs for handling, storing and using construction materials to prevent the release of those materials into stormwater discharges. The amount and type of construction materials to be utilized at the Site will depend upon the type of construction and the length of the construction period. The materials may be used continuously, such as fuel for vehicles and equipment, or the materials may be used for a discrete period, such as soil binders for temporary stabilization.

Waste management consist of implementing procedural and structural BMPs for handling, storing and ensuring proper disposal of wastes to prevent the release of those wastes into stormwater discharges. [If applicable to the project site, waste management should be conducted in accordance with the Project's Construction Waste Management Plan.]

Materials and waste management pollution control BMPs shall be implemented to minimize stormwater contact with construction materials, wastes and service areas; and to prevent materials and wastes from being discharged off-site. The primary mechanisms for stormwater contact that shall be addressed include:

- Direct contact with precipitation
- Contact with stormwater run-on and runoff
- Wind dispersion of loose materials
- Direct discharge to the storm drain system through spills or dumping
- Extended contact with some materials and wastes, such as asphalt cold mix and treated wood products, which can leach pollutants into stormwater.

A list of construction activities is provided in Section 2.6. The following Materials and Waste Management BMP selection table indicates the BMPs that shall be implemented to handle materials and control construction site wastes associated with these construction activities. Fact Sheets for Materials and Waste Management BMPs are provided in Appendix H.

Table 3.5 Temporary Materials Management BMPs

CASQA Fact Sheet	BMP Name	Meets a Minimum Requirement[1]	BMP used		If not used, state reason
			YES	NO	
WM-01	Material Delivery and Storage	✓		X	Not Required for Project
WM-02	Material Use	✓		X	Not Required for Project
WM-03	Stockpile Management	✓		X	Not Required for Project
WM-04	Spill Prevention and Control	✓		X	Not Required for Project
WM-05	Solid Waste Management	✓		X	Not Required for Project
WM-06	Hazardous Waste Management	✓		X	Not Required for Project
WM-07	Contaminated Soil Management			X	Not Required for Project
WM-08	Concrete Waste Management	✓	X		
WM-09	Sanitary-Septic Waste Management	✓	X		
WM-10	Liquid Waste Management			X	Not Required for Project
Alternate BMPs Used:				**If used, state reason:**	

[1] Applicability to a specific project shall be determined by the QSD.

Material management BMPs shall be implemented in conformance with the following guidelines and in accordance with the BMP Fact Sheets provided in Appendix H. If there is a conflict between documents, the Site Map will prevail over narrative in the body of the SWPPP or guidance in the BMP Fact Sheets. Site specific details in the Site Map prevail over standard details included in the Site Map. The narrative in the body of the SWPPP prevails over guidance in the BMP Fact Sheets.

Concrete Waste Management

-The following steps will help reduce stormwater pollution from concrete wastes:

-Incorporate requirements for concrete waste management into material supplier and subcontractor agreements.

-Store dry and wet materials under cover, away from drainage areas. Refer to WM-1, Material Delivery and Storage for more information.

-Avoid mixing excess amounts of concrete.

-Perform washout of concrete trucks in designated areas only, where washout will not reach stormwater.

-Do not wash out concrete trucks into storm drains, open ditches, streets, streams or onto the ground. Trucks should always be washed out into designated facilities.

-Do not allow excess concrete to be dumped onsite, except in designated areas.

-For onsite washout:

- On larger sites, it is recommended to locate washout areas at least 50 feet from storm drains, open ditches, or water bodies. Do not allow runoff from this area by constructing a temporary pit or bermed area large enough for liquid and solid waste.
- Washout wastes into the temporary washout where the concrete can set, be broken up, and then disposed properly.
- Washout should be lined so there is no discharge into the underlying soil.

-Do not wash sweepings from exposed aggregate concrete into the street or storm drain. Collect and return sweepings to aggregate base stockpile or dispose in the trash.

-See typical concrete washout installation details at the end of this fact sheet.

Sanitary-Septic Waste Management

-Sanitary or septic wastes should be treated or disposed of in accordance with state and local requirements. In many cases, one contract with a local facility supplier will be all that it takes to make sure sanitary wastes are properly disposed.

Storage and Disposal Procedures

-Temporary sanitary facilities should be located away from drainage facilities, watercourses, and from traffic circulation. If site conditions allow, place portable facilities a minimum of 50 feet from drainage conveyances and traffic areas. When subjected to high winds or risk of high winds, temporary sanitary facilities should be secured to prevent overturning.

-Temporary sanitary facilities must be equipped with containment to prevent discharge of pollutants to the stormwater drainage system of the receiving water.

-Consider safety as well as environmental implications before placing temporary sanitary facilities.

-Wastewater should not be discharged or buried within the project site.

-Sanitary and septic systems that discharge directly into sanitary sewer systems, where permissible, should comply with the local health agency, city, county, and sewer district requirements.

-Only reputable, licensed sanitary and septic waste haulers should be used.

-Sanitary facilities should be located in a convenient location.

-Temporary septic systems should treat wastes to appropriate levels before discharging.

-If using an onsite disposal system (OSDS), such as a septic system, local health agency requirements must be followed.

-Temporary sanitary facilities that discharge to the sanitary sewer system should be properly connected to avoid illicit discharges.

-Sanitary and septic facilities should be maintained in good working order by a licensed service.

-Regular waste collection by a licensed hauler should be arranged before facilities overflow.

-If a spill does occur from a temporary sanitary facility, follow federal, state and local regulations for containment and clean-up.

3.4 POST CONSTRUCTION STORMWATER MANAGEMENT MEASURES

Post construction BMPs are permanent measures installed during construction, designed to reduce or eliminate pollutant discharges from the site after construction is completed.

This site is located in an area subject to a Phase I or Phase II Municipal Separate Storm Sewer System (MS4) permit approved Stormwater Management Plan. ☐ Yes ☒ No

[If yes, state:

Post construction runoff reduction requirements have been satisfied through the MS4 program, this project is exempt from provision XIII A of the General Permit.]

[If no: Identify specific local stormwater requirements (e.g. SUSUMP requirements). Describe results of runoff reduction calculator and the BMPs selected to meet the runoff reduction requirements.]

The following source control post construction BMPs to comply with General Permit Section XIII.B and local requirements have been identified for the site:

- [LIST or State NONE]
- [LIST or State NONE]

A plan for the post construction funding and maintenance of these BMPs has been developed to address at minimum five years following construction. The post construction BMPs that are described above shall be funded and maintained by the [LRP or other]. If required, post construction funding and maintenance will be submitted with the NOT.

Section 4 BMP Inspection, [and] Maintenance [, and Rain Event Action Plans]

4.1 BMP INSPECTION AND MAINTENANCE

The General Permit requires routine weekly inspections of BMPs, along with inspections before, during, and after qualifying rain events. A BMP inspection checklist must be filled out for inspections and maintained on-site with the SWPPP. The inspection checklist includes the necessary information covered in Section 7.6. A blank inspection checklist can be found in Appendix I. Completed checklists shall be kept in CSMP Attachment 2 "Monitoring Records.

BMPs shall be maintained regularly to ensure proper and effective functionality. If necessary, corrective actions shall be implemented within 72 hours of identified deficiencies and associated amendments to the SWPPP shall be prepared by the QSD.

Specific details for maintenance, inspection, and repair of Construction Site BMPs can be found in the BMP Factsheets in Appendix H.

4.2 RAIN EVENT ACTION PLANS

Risk Level 1

Rain Event Action Plans (REAPs) are not required for Risk Level 1 projects.

Risk Level 2 or 3

The Rain Event Action Plans (REAP) is written document designed to be used as a planning tool by the QSP to protect exposed portions of project sites and to ensure that the discharger has adequate materials, staff, and time to implement erosion and sediment control measures. These measures are intended to reduce the amount of sediment and other pollutants that could be generated during the rain event. It is the responsibility of the QSP to be aware of precipitation forecast and to obtain and print copies of forecasted precipitation from NOAA's National Weather Service Forecast Office.

The SWPPP includes REAP templates but the QSP will need to customize them for each rain event. Site-specific REAP templates for each applicable project phase can be found in Appendix J. The QSP shall maintain a paper copy of completed REAPs in compliance with the record retention requirements Section 1.5 of this SWPPP. Completed REAPs shall be maintained in Appendix J.

The QSP will develop an event specific REAP 48 hours in advance of a precipitation event forecast to have a 50% or greater chance of producing precipitation in the project area. The REAP will be onsite and be implemented 24 hours in advance of any the predicted precipitation event.

At minimum the REAP will include the following site and phase-specific information:

1. Site Address;
2. Calculated Risk Level (2 or 3);

3. Site Stormwater Manager Information including the name, company and 24-hour emergency telephone number;
4. Erosion and Sediment Control Provider information including the name, company and 24-hour emergency telephone number;
5. Stormwater Sampling Agent information including the name, company, and 24-hour emergency telephone number;
6. Activities associated with each construction phase;
7. Trades active on the construction site during each construction phase;
8. Trade contractor information; and
9. Recommended actions for each project phase.

Section 5 Training

The following text should be modified accordingly

Appendix L identifies the QSPs for the project. To promote stormwater management awareness specific for this project, periodic training of job-site personnel shall be included as part of routine project meetings (e.g. daily/weekly tailgate safety meetings), or task specific trainings as needed.

The QSP shall be responsible for providing this information at the meetings, and subsequently completing the training logs shown in Appendix K, which identifies the site-specific stormwater topics covered as well as the names of site personnel who attended the meeting. Tasks may be delegated to trained employees by the QSP provided adequate supervision and oversight is provided. Training shall correspond to the specific task delegated including: SWPPP implementation; BMP inspection and maintenance; and record keeping.

Documentation of training activities (formal and informal) is retained in SWPPP Appendix K.

Section 6 Responsible Parties and Operators

6.1 RESPONSIBLE PARTIES

Approved Signatory(ies) who are responsible for SWPPP implementation and have authority to sign permit-related documents [is/are] listed below. Written authorizations from the LRP for these individuals are provided in Appendix L. The Approved Signatory(ies) assigned to this project [is/are]:

Name	Title	Phone Number
Hitesh Patel		760-963-3475

QSPs identified for the project are identified in Appendix L. The QSP shall have primary responsibility and significant authority for the implementation, maintenance and inspection/monitoring of SWPPP requirements. The QSP will be available at all times throughout the duration of the project. Duties of the QSP include but are not limited to:

- Implementing all elements of the General Permit and SWPPP, including but not limited to:
  - Ensuring all BMPs are implemented, inspected, and properly maintained;
  - Performing non-stormwater and stormwater visual observations and inspections;
  - Performing non-stormwater and storm sampling and analysis, as required;
  - Performing routine inspections and observations;
  - Implementing non-stormwater management, and materials and waste management activities such as: monitoring discharges; general Site clean-up; vehicle and equipment cleaning, fueling and maintenance; spill control; ensuring that no materials other than stormwater are discharged in quantities which will have an adverse effect on receiving waters or storm drain systems; etc.;
- The QSP may delegate these inspections and activities to an appropriately trained employee, but shall ensure adequacy and adequate deployment.
- Ensuring elimination of unauthorized discharges.
- The QSPs shall be assigned authority by the LRP to mobilize crews in order to make immediate repairs to the control measures.
- Coordinate with the Contractor(s) to assure all of the necessary corrections/repairs are made immediately and that the project complies with the SWPPP, the General Permit and approved plans at all times.

- Notifying the LRP or Authorized Signatory immediately of off-site discharges or other non-compliance events.

6.2 CONTRACTOR LIST

Contractor

Name:

Title:

Company:

Address:

Phone Number:

Number (24/7):

Section 7 Construction Site Monitoring Program

7.1 Purpose

This Construction Site Monitoring Program was developed to address the following objectives:

1. To demonstrate that the site is in compliance with the Discharge Prohibitions of the Construction General Permit;
2. To determine whether non-visible pollutants are present at the construction site and are causing or contributing to exceedances of water quality objectives;
3. To determine whether immediate corrective actions, additional Best Management Practices (BMP) implementation, or SWPPP revisions are necessary to reduce pollutants in stormwater discharges and authorized non-stormwater discharges;
4. To determine whether BMPs included in the SWPPP are effective in preventing or reducing pollutants in stormwater discharges and authorized non-stormwater discharges.

7.2 Applicability of Permit Requirements

This project has been determined to be a Risk Level [1] project. The General Permit identifies the following types of monitoring as being applicable for a Risk Level [1] project.

Risk Level 1

- Visual inspections of Best Management Practices (BMPs);
- Visual monitoring of the site related to qualifying storm events;
- Visual monitoring of the site for non-stormwater discharges;
- Sampling and analysis of construction site runoff for non-visible pollutants when applicable; and
- Sampling and analysis of construction site runoff as required by the Regional Water Board when applicable.

7.3. Weather and Rain Event Tracking

Visual monitoring and inspections requirements of the General Permit are triggered by a qualifying rain event. The General Permit defines a qualifying rain event as any event that produces ½ inch of precipitation. A minimum of 48 hours of dry weather will be used to distinguish between separate qualifying storm events.

7.3.1 Weather Tracking

The QSP should daily consult the National Oceanographic and Atmospheric Administration (NOAA) for the weather forecasts. These forecasts can be obtained at http://www.srh.noaa.gov/. Weather reports should be printed and maintained with the SWPPP in CSMP Attachment 1 "Weather Reports".

[Optionally, identify any other tools, in addition to NOAA probability of precipitation that the QSP will use to track weather.]

7.3.2 Rain Gauges

The QSP shall install [Enter Number and General Location for On-site Gauges] rain gauge(s) on the project site. Locate the gauge in an open area away from obstructions such as trees or overhangs. Mount the gauge on a post at a height of 3 to 5 feet with the gauge extending several inches beyond the post. Make sure that the top of the gauge is level. Make sure the post is not in an area where rainwater can indirectly splash from sheds, equipment, trailers, etc.

The rain gauge(s) shall be read daily during normal site scheduled hours. The rain gauge should be read at approximately the same time every day and the date and time of each reading recorded. Log rain gauge readings in CSMP Attachment 1 "Weather Records". Follow the rain gauge instructions to obtain accurate measurements.

Once the rain gauge reading has been recorded, accumulated rain shall be emptied and the gauge reset. [Alternatively, include instructions for an automated recording rain gauge if used.]

For comparison with the site rain gauge, the nearest appropriate governmental rain gauge(s) is located at [Insert location and web site of the applicable governmental rain gauge(s)].

7.4 Monitoring Locations

Monitoring locations are shown on the Site Maps in Appendix B. Monitoring locations are described in the Sections 7.6 and 7.7.

Whenever changes in the construction site might affect the appropriateness of sampling locations, the sampling locations shall be revised accordingly. All such revisions shall be implemented as soon as feasible and the SWPPP amended. Temporary changes that result in a one-time additional sampling location do not require a SWPPP amendment.

7.5 Safety and Monitoring Exemptions

Safety practices for sample collection will be in accordance with the [ENTER TITLE AND PUBLICATION DATE OF CONTRACTOR'S HEALTH AND SAFETY PLAN FOR THE

PROJECT OR PROVIDE SPECIFIC REQUIREMENTS IN THIS SECTION]. A summary of the safety requirements that apply to sampling personnel is provided below.

-
-
-
-

This project is not required to collect samples or conduct visual observations (inspections) under the following conditions:

- During dangerous weather conditions such as flooding and electrical storms.
- Outside of scheduled site business hours.

Scheduled site business hours are: [SPECIFY SITE BUSINESS DAYS AND HOURS].

If monitoring (visual monitoring or sample collection) of the site is unsafe because of the dangerous conditions noted above then the QSP shall document the conditions for why an exception to performing the monitoring was necessary. The exemption documentation shall be filed in CSMP Attachment 2 "Monitoring Records".

7.6 Visual Monitoring

Visual monitoring includes observations and inspections. Inspections of BMPs are required to identify and record BMPs that need maintenance to operate effectively, that have failed, or that could fail to operate as intended. Visual observations of the site are required to observe storm water drainage areas to identify any spills, leaks, or uncontrolled pollutant sources.

Table 7.1 identifies the required frequency of visual observations and inspections. Inspections and observations will be conducted at the locations identified in Section 7.6.3.

Table 7.1 Summary of Visual Monitoring and Inspections

Type of Inspection	Frequency
Routine Inspections	
BMP Inspections	Weekly[1]
BMP Inspections – Tracking Control	Daily
[Biswale]	[Quartley]
Non-Stormwater Discharge Observations	Quarterly during daylight hours
Rain Event Triggered Inspections	
Site Inspections Prior to a Qualifying Event	Within 48 hours of a qualifying event [2]
BMP Inspections During an Extended Storm Event	Every 24-hour period of a rainevent[2]
Site Inspections Following a Qualifying Event	Within 48 hours of a qualifying event[2]

[1] Most BMPs must be inspected weekly; those identified below must be inspected more frequently.

[2] Inspections are only required during scheduled site operating hours. Note however, these inspections are required daily regardless of the amount of precipitation.

7.6.1 Routine Observations and Inspections

Routine site inspections and visual monitoring are necessary to ensure that the project is in compliance with the requirements of the Construction General Permit.

7.6.1.1 Routine BMP Inspections

Inspections of BMPs are conducted to identify and record:

- BMPs that are properly installed;
- BMPs that need maintenance to operate effectively;
- BMPs that have failed; or
- BMPs that could fail to operate as intended.

7.6.1.2 Non-Stormwater Discharge Observations

Each drainage area will be inspected for the presence of or indications of prior unauthorized and authorized non-stormwater discharges. Inspections will record:

- Presence or evidence of any non-stormwater discharge (authorized or unauthorized);
- Pollutant characteristics (floating and suspended material, sheen, discoloration, turbidity, odor, etc.); and
- Source of discharge.

7.6.2 Rain-Event Triggered Observations and Inspections

Visual observations of the site and inspections of BMPs are required prior to a qualifying rain event; following a qualifying rain event, and every 24-hour period during a qualifying rain event.

Pre-rain inspections will be conducted after consulting NOAA and determining that a precipitation event with a 50% or greater probability of precipitation has been predicted.

7.6.2.1 Visual Observations Prior to a Forecasted Qualifying Rain Event

Within 48-hours prior to a qualifying event a stormwater visual monitoring site inspection will include observations of the following locations:

- Stormwater drainage areas to identify any spills, leaks, or uncontrolled pollutant sources;
- BMPs to identify if they have been properly implemented;
- Any stormwater storage and containment areas to detect leaks and ensure maintenance of adequate freeboard.

[BMP inspections and visual monitoring will be triggered by a NOAA prediction of rain in the project area.]

or

Consistent with guidance from the State Water Resources Control Board, pre-rain BMP inspections and visual monitoring will be triggered by a NOAA forecast that indicates a probability of precipitation of 50% or more in the project area.

or

BMP inspections and visual monitoring will be triggered by a NOAA quantitative predicted forecast (QPF) that indicates ½-inch or more of rain will occur in the project area.]

7.6.2.2 BMP Inspections During an Extended Storm Event

During an extended rain event BMP inspections will be conducted to identify and record:

- BMPs that are properly installed;
- BMPs that need maintenance to operate effectively;
- BMPs that have failed; or
- BMPs that could fail to operate as intended.

If the construction site is not accessible during the rain event, the visual inspections shall be performed at all relevant outfalls, discharge points, downstream locations. The inspections should record any projected maintenance activities.

7.6.2.2 Visual Observations Following a Qualifying Rain Event

Within 48 hours following a qualifying rain event (0.5 inches of rain) a stormwater visual monitoring site inspection is required to observe:

- Stormwater drainage areas to identify any spills, leaks, or uncontrolled pollutant sources;
- BMPs to identify if they have been properly designed, implemented, and effective;
- Need for additional BMPs;
- Any stormwater storage and containment areas to detect leaks and ensure maintenance of adequate freeboard; and
- Discharge of stored or contained rain water.

7.6.3 Visual Monitoring Procedures

Visual monitoring shall be conducted by the QSP or staff trained by and under the supervision of the QSP.

The name(s) and contact number(s) of the site visual monitoring personnel are listed below and their training qualifications are provided in Appendix K.

Assigned inspector: Sam Akbarpour Contact phone: 951-279-4041

Alternate inspector: NAME OF INSPECTOR Contact phone: TELEPHONE NUMBER

Stormwater observations shall be documented on the *Visual Inspection Field Log Sheet* (see CSMP Attachment 3 "Example Forms"). BMP inspections shall be documented on the site specific BMP inspection checklist. Any photographs used to document observations will be referenced on stormwater site inspection report and maintained with the Monitoring Records in Attachment 2.

The QSP shall within [3] days of the inspection submit copies of the completed inspection report to [Name].

The completed reports will be kept in CSMP Attachment 2 "Monitoring Records".

7.6.4 Visual Monitoring Follow-Up and Reporting

Correction of deficiencies identified by the observations or inspections, including required repairs or maintenance of BMPs, shall be initiated and completed as soon as possible.

If identified deficiencies require design changes, including additional BMPs, the implementation of changes will be initiated within 72 hours of identification and be completed as soon as possible. When design changes to BMPs are required, the SWPPP shall be amended to reflect the changes.

Deficiencies identified in site inspection reports and correction of deficiencies will be tracked on the *Inspection Field Log Sheet* or *BMP Inspection Report* and shall be submitted to the QSP and shall be kept in CSMP Attachment 2 "Monitoring Records".

The QSP shall within [3] days of the inspection submit copies of the completed *Inspection Field Log Sheet* or *BMP Inspection Report* with the corrective actions to [Name].

Results of visual monitoring must be summarized and reported in the Annual Report.

7.6.5 Visual Monitoring Locations

The inspections and observations identified in Sections 7.6.1 and 7.6.2 will be conducted at the locations identified in this section.

BMP locations are shown on the Site Maps in SWPPP Appendix A.

There are [Enter Number] drainage area(s) on the project site and the contractor's yard, staging areas, and storage areas. Drainage area(s) are shown on the Site Maps in Appendix B and Table 7.2 identifies each drainage area by location.

Table 7.2 Site Drainage Areas

Location No.	Location

There are [Enter Number] stormwater storage or containment area(s) are on the project site. Stormwater storage or containment area(s) are shown on the Site Maps in Appendix B and Table 7.3 identifies each stormwater storage or containment area by location.

Table 7.3 Stormwater Storage and Containment Areas

Location No.	Location

There are [Enter Number] discharge location(s) on the project site. Site stormwater discharge location(s) are shown on the Site Maps in Appendix B and Table 7.4 identifies each stormwater discharge location.

Table 7.4 Site Stormwater Discharge Locations

Location No.	Location

7.7 Water Quality Sampling and Analysis

7.7.1 Sampling and Analysis Plan for Non-Visible Pollutants in Stormwater Runoff Discharges

This Sampling and Analysis Plan for Non-Visible Pollutants describes the sampling and analysis strategy and schedule for monitoring non-visible pollutants in stormwater runoff discharges from the project site.

Sampling for non-visible pollutants will be conducted when (1) a breach, leakage, malfunction, or spill is observed; and (2) the leak or spill has not been cleaned up prior to the rain event; and (3) there is the potential for discharge of non-visible pollutants to surface waters or drainage system.

The following construction materials, wastes, or activities, as identified in Section 2.6, are potential sources of non-visible pollutants to stormwater discharges from the project. Storage, use, and operational locations are shown on the Site Maps in Appendix B.

- [NONE]
- [NONE]

The following existing site features, as identified in Section 2.6, are potential sources of non-visible pollutants to stormwater discharges from the project. Locations of existing site features contaminated with non-visible pollutants are shown on the Site Maps in Appendix B.

- [NONE]
- [NONE]

The following soil amendments have the potential to change the chemical properties, engineering properties, or erosion resistance of the soil and will be used on the project site. Locations of soil amendment application are shown on the Site Maps in Appendix B.

- [NONE]
- [NONE]

7.7.1.1 Sampling Schedule

Samples for the potential non-visible pollutant(s) and a sufficiently large unaffected background sample shall be collected during the first two hours of discharge from rain events that result in a sufficient discharge for sample collection. Samples shall be collected during the site's scheduled hours and shall be collected regardless of the time of year and phase of the construction.

Collection of discharge samples for non-visible pollutant monitoring will be triggered when any of the following conditions are observed during site inspections conducted prior to or during a rain event.

- Materials or wastes containing potential non-visible pollutants are not stored under watertight conditions. Watertight conditions are defined as (1) storage in a watertight container, (2) storage under a watertight roof or within a building, or (3) protected by temporary cover and containment that prevents stormwater contact and runoff from the storage area.
- Materials or wastes containing potential non-visible pollutants are stored under watertight conditions, but (1) a breach, malfunction, leakage, or spill is observed, (2) the leak or spill is not cleaned up prior to the rain event, and (3) there is the potential for discharge of non-visible pollutants to surface waters or a storm drain system.
- A construction activity, including but not limited to those in Section 2.6, with the potential to contribute non-visible pollutants (1) was occurring during or within 24 hours prior to the rain event, (2) BMPs were observed to be breached, malfunctioning, or improperly implemented, and (3) there is the potential for discharge of non-visible pollutants to surface waters or a storm drain system.
- Soil amendments that have the potential to change the chemical properties, engineering properties, or erosion resistance of the soil have been applied, and there is the potential for discharge of non-visible pollutants to surface waters or a storm drain system.
- Stormwater runoff from an area contaminated by historical usage of the site has been observed to combine with stormwater runoff from the site, and there is the potential for discharge of non-visible pollutants to surface waters or a storm drain system.

7.7.1.2 Sampling Locations

Sampling locations are based on proximity to planned non-visible pollutant storage, occurrence or use; accessibility for sampling, and personnel safety. Planned non-visible pollutant sampling locations are shown on the Site Maps in Appendix B and include the locations identified in Table 7.5 through 7.10.

[Enter Number] sampling location(s) on the project site and the contractor's yard have been identified for the collection of samples of runoff from planned material and waste storage areas and areas where non-visible pollutant producing construction activities are planned.

[If applicable]

Table 7.6 Non-Visible Pollutant Sample Locations – Contractors' Yard

Sample Location Number	Sample Location Description	Sample Location Latitude and Longitude (Decimal Degrees)
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]

[Enter number of locations] sampling locations have been identified for the collection of samples of runoff from drainage areas where soil amendments will be applied that have the potential to affect water quality.

[If applicable]

Table 7.7 Non-Visible Pollutant Sample Locations – Soil Amendment Areas

Sample Location Number	Sample Location	Sample Location Latitude and Longitude (Decimal Degrees)
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]

[Enter number of locations] sampling locations have been identified for the collection of samples of runoff from drainage areas contaminated by historical usage of the site.

[If applicable]

Table 7.8 Non-Visible Pollutant Sample Locations – Areas of Historical Contamination

Sample Location Number	Sample Location	Sample Location Latitude and Longitude (Decimal Degrees)
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]

[Enter Number] sampling location(s) has been identified for the collection of an uncontaminated sample of runoff as a background sample for comparison with the samples being analyzed for non-visible pollutants. This location(s) was selected such that the sample will not have come in contact with the operations, activities, or areas identified in Section 7.7.1 or with disturbed soils areas.

[If applicable]

Table 7.9 Non-Visible Pollutant Sample Locations – Background (Unaffected Sample)

Sample Location Number	Sample Location	Sample Location Latitude and Longitude (Decimal Degrees)
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]

Table 7.10 Non-Visible Pollutant Sample Locations – Site Run-On

Sample Location Number	Sample Location	Sample Location Latitude and Longitude (Decimal Degrees)
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]

If a stormwater visual monitoring site inspection conducted prior to or during a storm event identifies the presence of a material storage, waste storage, or operations area with spills or the potential for the discharge of non-visible pollutants to surface waters or a storm drain system that is at a location not listed above and has not been identified on the Site Maps, sampling locations will be selected by the QSP using the same rationale as that used to identify planned locations. Non-visible pollutant sampling locations shall be identified by the QSP on the pre-rain event inspection form [and/or Rain Event Action Plan] prior to a forecasted qualifying rain event.

7.7.1.3 Monitoring Preparation

Non-visible pollutant samples will be collected by:

Contractor	☐ Yes	☐ No
Consultant	☐ Yes	☐ No
Laboratory	☐ Yes	☐ No

Samples on the project site will be collected by the following contractor sampling personnel:

Name/Telephone Number:	
Alternate(s)/Telephone Number:	

An adequate stock of monitoring supplies and equipment for monitoring non-visible pollutants will be available on the project site prior to a sampling event. Monitoring supplies and equipment will be stored in a cool temperature environment that will not come into contact with rain or direct sunlight. Sampling personnel will be available to collect samples in accordance with the sampling schedule. Supplies maintained at the project site will include, but are not limited to, clean powder-free nitrile gloves, sample collection equipment, coolers, appropriate number and volume of sample bottles, identification labels, re-sealable storage bags, paper towels, personal rain gear, ice, and *Effluent Sampling Field Log Sheets* and Chain of Custody (CoC) forms, which are provided in CSMP Attachment 3 "Example Forms".

Samples on the project site will be collected by the following [specify laboratory or environmental consultant]:

Company Name:	
Street Address:	
City, State Zip:	
Telephone Number:	
Point of Contact:	
Name of Sampler(s):	
Name of Alternate(s):	

The QSP or his/her designee will contact [specify name of laboratory or environmental consultant] 24 hours prior to a predicted rain event or for an unpredicted event, as soon as a rain event begins if one of the triggering conditions is identified during an inspection to ensure that adequate sample collection personnel and supplies for monitoring non-visible pollutants are available and will be mobilized to collect samples on the project site in accordance with the sampling schedule.

7.7.1.4 Analytical Constituents

Table 7.11 lists the specific sources and types of potential non-visible pollutants on the project site and the water quality indicator constituent(s) for that pollutant.

Table 7.11 Potential Non-Visible Pollutants and Water Quality Indicator Constituents

Pollutant Source	Pollutant	Water Quality Indicator Constituent

INSTRUCTIONS: RESOURCE – USE TO CREATE PROJECT SPECIFIC TABLE

Common Non-Visible Pollutants and Water Quality Indicator Constituents Worksheet	
General Work Activity/Potential Pollutants	**Water Quality Indicators of Potential Constituents** (Review product literature and Material Safety Data Sheets to confirm potential constituents)
Adhesives	COD, Phenols, SVOCs
Asphalt Work	VOCs
Cleaning	
Acids	pH
Bleaches	Residual chlorine
TSP	Phosphate
Solvents	VOCs, SVOCs
Detergents	MBAS
Concrete / Masonry Work	
Sealant (Methyl methacrylate)	SVOC
Curing compounds	VOCs, SVOCs, pH
Ash, slag, sand	pH, Al, Ca, Va, Zn
Drywall	Cu, Al, General Minerals
Framing / Carpentry	
Treated Wood	Cu, Cr, As, Zn
Particle board	Formaldehyde
Untreated wood	BOD
Grading / Earthworks	
Gypsum / Lime amendments	pH
Contaminated Soil	Constituents specific to known contaminants, check with Laboratory
Heating, Ventilation, Air Conditioning	Freon
Insulation	Al, Zn
Landscaping	
Pesticides/Herbicides	Product dependent, see label and check with Laboratory
Fertilizers	TKN, NO_3, BOD, COD, DOC, Sulfate, NH_3,

Common Non-Visible Pollutants and Water Quality Indicator Constituents Worksheet	
General Work Activity/Potential Pollutants	**Water Quality Indicators of Potential Constituents** (Review product literature and Material Safety Data Sheets to confirm potential constituents)
	Phosphate, Potassium
Aluminum sulfate	Al, TDS, Sulfate
Liquid Waste	Constituents specific to materials, check with Laboratory
Painting	
Resins	COD, SVOCs
Thinners	COD, VOCs
Paint strippers	VOCs, SVOCs, metals
Lacquers, varnishes, enamels	COD, VOCs, SVOCs
Sealants	COD
Adhesives	Phenols, SVOCs
Planting / Vegetation Management	
Vegetation stockpiles	BOD
Fertilizers	TKN, NO_3, BOD, COD, DOC, sulfate, NH_3, Phosphate, Potassium
Pesticides/Herbicides	Product dependent, see label and check with Laboratory
Plumbing	
Solder, flux, pipe fitting	Cu, Pb, Sn, Zn
Pools and Fountains	Residual chlorine, Cu, chloramines
Removal of existing structures	Zn, VOCs, PCBs (see also other applicable activity categories, e.g., grading, painting)
Roofing	Cu, Pb, VOCs
Sanitary Waste Sewer line breaks and Portable Toilets (using clear fluid – blue fluid is visible if discharged)	BOD, Total/Fecal coliform
Soil Preparation / Amendments/Dust Control	
Polymer/Co-polymers	TKN, NO_3, BOD, COD, DOC, Sulfate, Ni
Lignin sulfate	TDS, alkalinity
Psyllium	COD, TOC

Common Non-Visible Pollutants and Water Quality Indicator Constituents Worksheet	
General Work Activity/Potential Pollutants	**Water Quality Indicators of Potential Constituents** (Review product literature and Material Safety Data Sheets to confirm potential constituents)
Guar/Plant Gums	COD, TOC, Ni
Solid Waste (leakage)	BOD
Utility Line Testing and Flushing	Residual chlorine, chloramines
Vehicle and Equipment Use	
Batteries	Sulfuric acid; Pb, pH

Adapted from *Attachment S, Caltrans SWPPP/WPCP Preparation Manual, February 2003*, and *CASQA Construction BMP Handbook*, 2003

7.7.1.5 Sample Collection

Samples of discharge shall be collected at the designated non-visible pollutant sampling locations shown on the Site Maps in Appendix B or in the locations determined by observed breaches, malfunctions, leakages, spills, operational areas, soil amendment application areas, and historical site usage areas that triggered the sampling event.

Grab samples shall be collected and preserved in accordance with the methods identified in the Table, "Sample Collection, Preservation and Analysis for Monitoring Non-Visible Pollutants" provided in Section 7.7.1.6. Only the QSP, or personnel trained in water quality sampling under the direction of the QSP shall collect samples.

Sample collection and handling requirements are described in Section 7.7.7.

7.7.1.6 Sample Analysis

Samples shall be analyzed using the analytical methods identified in the Table 7.12.

Samples will be analyzed by:

Laboratory Name:	
Street Address:	
City, State Zip:	
Telephone Number:	
Point of Contact:	
ELAP Certification Number:	

Samples will be delivered to the laboratory by:

Driven by Contractor	☐ Yes	☐ No
Picked up by Laboratory Courier	☐ Yes	☐ No
Shipped	☐ Yes	☐ No

Table 7.12 Sample Collection, Preservation and Analysis for Monitoring Non-Visible Pollutants

Constituent	Analytical Method	Minimum Sample Volume	Sample Containers	Sample Preservation	Reporting Limit	Maximum Holding Time
Notes:						

7.7.1.7 Data Evaluation and Reporting

The QSP shall complete an evaluation of the water quality sample analytical results.

Runoff/downgradient results shall be compared with the associated upgradient/unaffected results and any associated run-on results. Should the runoff/downgradient sample show an increased level of the tested analyte relative to the unaffected background sample, which cannot be explained by run-on results, the BMPs, site conditions, and surrounding influences shall be assessed to determine the probable cause for the increase.

As determined by the site and data evaluation, appropriate BMPs shall be repaired or modified to mitigate discharges of non-visible pollutant concentrations. Any revisions to the BMPs shall be recorded as an amendment to the SWPPP.

The General Permit prohibits the storm water discharges that contain hazardous substances equal to or in excess of reportable quantities established in 40 C.F.R. §§ 117.3 and 302.4. The results of any non-stormwater discharge results that indicate the presence of a hazardous substance in excess of established reportable quantities shall be immediately reported to the Regional Water Board and other agencies as required by 40 C.F.R. §§ 117.3 and 302.4.

Results of non-visible pollutant monitoring shall be reported in the Annual Report.

7.7.2 Sampling and Analysis Plan for pH and Turbidity in Stormwater Runoff Discharges

Sampling and analysis of runoff for pH and turbidity is not required for Risk Level 1 projects.

7.7.2.1 Sampling Schedule

Stormwater runoff samples shall be collected for turbidity from all qualifying rain events that result in a discharge from the project site. At minimum, turbidity samples will be collected from each site discharge location draining a disturbed area. A minimum of three samples will be collected per day of discharge during a qualifying event. Samples should be representative of the total discharge from the project each day of discharge during the qualifying event. Typically representative samples will be spaced in time throughout the daily discharge event.

Stormwater runoff samples shall be collected for pH from all qualifying rain events that result in a discharge from the project site. At minimum, pH samples will be collected from each site discharge location during project phases and drainage areas with a high risk of pH discharge. A minimum of three samples will be collected per day of discharge during a qualifying event. Samples should be representative of the total discharge from the location each day of discharge during the qualifying event. Typically representative samples will be spaced in time throughout the daily discharge event.

Stored or collected water from a qualifying storm event when discharged shall be tested for turbidity and pH (when applicable). Stored or collected water from a qualifying event may be sampled at the point it is released from the storage or containment area or at the site discharge location.

Run-on samples shall be collected whenever the QSP identifies that run-on has the potential to contribute to an exceedance of a NAL [or a NEL].

7.7.2.2 Sampling Locations

Sampling locations are based on the site runoff discharge locations and locations where run-on enters the site; accessibility for sampling; and personnel safety. Planned pH and turbidity sampling locations are shown on the Site Maps in Appendix B and include the locations identified in Table 7.13 and Table 7-14.

[Enter Number] sampling location(s) on the project site and the contractor's yard have been identified for the collection of runoff samples. Table 7.13 also provides an estimate of the site's area that drains to each location.

Table 7.13 Turbidity and pH Runoff Sample Locations

Sample Location Number	Sample Location	Estimate of Site Drainage [Factor] (%)
[Enter Number]	[Enter Location]	[Enter Percent]
[Enter Number]	[Enter Location]	[Enter Percent]

Table 7.14 Turbidity and pH Run-On Sample Locations

Sample Location Number	Sample Location	Sample Location Latitude and Longitude (Decimal Degrees)
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]

The project does not receive run-on with the potential to exceed NALs or NELs.

7.7.2.3 Monitoring Preparation

Turbidity and pH samples will be collected and analyzed by:

Contractor ☐ Yes ☐ No

Consultant ☐ Yes ☐ No

Laboratory ☐ Yes ☐ No

Samples on the project site will be collected by the following contractor sampling personnel:

Name/Telephone Number:

Alternate(s)/Telephone Number:

An adequate stock of monitoring supplies and equipment for monitoring turbidity and will be available on the project site prior to a sampling event. Monitoring supplies and equipment will be stored in a cool temperature environment that will not come into contact with rain or direct sunlight. Sampling personnel will be available to collect samples in accordance with the sampling schedule. Supplies maintained at the project site will include, but are not limited to, field meters, extra batteries; clean powder-free nitrile gloves, sample collection equipment, appropriate sample containers, paper towels, personal rain gear, and *Effluent Sampling Field Log Sheets* and CoC forms provided in CSMP Attachment 3 "Example Forms".

The contractor will obtain and maintain the field testing instruments, as identified in Section 7.7.2.6, for analyzing samples in the field by contractor sampling personnel.

Samples on the project site will be collected by the following [specify laboratory or environmental consultant]:

Company Name:

Street Address:

City, State, Zip:

Telephone Number:

Point of Contact:

Name of Sampler(s):

Name of Alternate(s):

The QSP or his/her designee will contact [specify name of laboratory or environmental consultant] 24 hours prior to a predicted rain event or for an unpredicted event, as soon as a rain event begins to ensure that adequate sample collection personnel, supplies for monitoring pH and turbidity are available and will be mobilized to collect samples on the project site in accordance with the sampling schedule.

7.7.2.4 Field Parameters

Samples shall be analyzed for the constituents indicated in the table below "Sample Collection, and Analysis for Monitoring Turbidity and pH."

Table 7.15 Sample Collection and Analysis for Monitoring Turbidity and pH

Parameter	Test Method	Minimum Sample Volume[(1)]	Sample Collection Container Type	Detection Limit (minimum)
Turbidity	Field meter/probe with calibrated portable instrument	500 mL	Polypropylene or Glass (Do not collect in meter sample cells)	1 NTU
pH	Field meter/probe with calibrated portable instrument or calibrated pH test kit	100 mL	Polypropylene	0.2 pH units

Notes: [1] Minimum sample volume recommended. Specific volume requirements will vary by instrument; check instrument manufacturer instructions.

L – Liter
mL – Milliliter
NTU – Nephelometric Turbidity Unit

7.7.2.5 Sample Collection

Samples of discharge shall be collected at the designated runoff and run-on sampling locations shown on the Site Maps in Appendix B. Run-on samples shall be collected within close proximity of the point of run-on to the project.

Only personnel trained in water quality sampling and field measurements working under the direction of the QSP shall collect samples.

Sample collection and handling requirements are described in Section 7.7.7.

7.7.2.6 Field Measurements

Samples collected for field analysis, collection, analysis and equipment calibration shall be in accordance with the field instrument manufacturer's specifications.

Immediately following collection, samples for field analysis shall be tested in accordance with the field instrument manufacturer's instructions and results recorded on the *Effluent Sampling Field Log Sheet*.

The field instrument(s) listed in Table 7.16 will be used to analyze the following constituents:

Table 7.16 Field Instruments

Field Instrument (Manufacturer and Model)	Constituent
	pH
	Turbidity

The manufacturers' instructions are included in CSMP Attachment 4 "Field Meter Instructions". Field sampling staff shall review the instructions prior to each sampling event and follow the instructions in completing measurement of the samples.

- The instrument(s) shall be maintained in accordance with manufacturer's instructions.
- The instrument(s) shall be calibrated before each sampling and analysis event.
- Maintenance and calibration records shall be maintained with the SWPPP.

The QSP may authorize alternate equipment provided that the equipment meets the Construction General Permit's requirements and the manufacturers' instructions for calibration and use are added to CSMP Attachment 4 "Field Meter Instructions".

7.7.2.7 Data Evaluation and Reporting

Immediately upon completing the measurements for the sampling event, provide the *Effluent Sampling Field Log Sheets* to the QSP for evaluation.

Table 7.17 Numeric Action Levels

Parameter	Unit	Daily Average
pH	pH units	Lower NAL = 6.5 Upper NAL = 8.5
Turbidity	NTU	250 NTU

The QSP shall within [Enter Number] days of the sample collection submit copies of the completed *Effluent Sampling Field Log Sheets* to [Name of Owners Representative].

In the event that the pH or turbidity NAL is exceeded, the QSP shall immediately notify [Name of Owners Representative] and investigate the cause of the exceedance and identify corrective actions.

Exceedances of NALs shall be electronically reported to the State Water Board by [Name of Owners Representative] through the SMARTs system within 10 days of the conclusion of the storm event. If requested by the Regional Board, a NAL Exceedance report will be submitted. The NAL Exceedance Report must contain the following information:

- Analytical method(s), method reporting unit(s), and MDL(s) of each parameter;
- Date, place, time of sampling, visual observation, and/or measurements, including precipitation; and
- Description of the current BMPs associated with the sample that exceeded the NAL and the proposed corrective actions taken.

Table 7.18 Numeric Effluent Limits Levels

Parameter	Unit	Daily Average
pH	pH units	Lower NEL = 6.0 Upper NEL = 9.0
Turbidity	NTU	500 NTU

All pH and turbidity data shall be electronically reported to the State Water Board by [Name of Owners Representative] through SMARTS within 5 days of the conclusion of each storm event.

In the event that the pH or turbidity NEL is exceeded, the QSP shall immediately notify [Name of Owners Representative] and investigate the cause of the exceedance and identify corrective actions. Based on the results of the investigation, the QSP shall complete a NEL Violation Report.

[Name of Owners Representative] shall implement the NEL exceedance reporting procedures.

[Name of Owners Representative] shall electronically submit a NEL Violation Report through SMARTS within 24 hours identifying the exceedance. The NEL Violation Report must contain the following information:

- Analytical method(s), method reporting unit(s), and MDL(s) of each parameter;
- Date, place, time of sampling, visual observation, and/or measurements, including precipitation; and
- Description of the current BMPs associated with the sample that exceeded the NEL and the proposed corrective actions taken.

In the event that an NEL was exceeded during a storm event equal to or larger than the compliance storm event ([Enter Number from Section 7.3] inches of rain in a 24 hour period), the NEL report entered in to SMARTS must also contain readings from the on-site rain gauge and nearby governmental rain gauge readings for verification.

In the event that the NEL exceedance was caused by run-on from a natural disaster (such as a forest fire) a NEL exemption justification shall be submitted with NEL report entered into SMARTS.

7.7.3 Additional Monitoring Following an NEL Exceedance

7.7.3.1 Sampling and Analysis Plan for Suspended Sediment Concentration in Stormwater Runoff Discharges

7.7.3.1.1. Sampling Schedule and Locations

When required, stormwater runoff discharge samples shall be collected for SSC from all qualifying rain events that result in a discharge from the project site. At minimum, SSC samples will be collected from each site discharge location where turbidity samples are collected. A minimum of three representative samples will be collected per day of discharge from a qualifying event.

Sampling locations are listed in Section 7.7.2.2.

7.7.3.1.2. Monitoring Preparation

SSC samples will be collected by:

Contractor	☐ Yes	☐ No
Consultant	☐ Yes	☐ No
Laboratory	☐ Yes	☐ No

Samples on the project site will be collected by the following contractor sampling personnel:

Name/Telephone Number:	
Alternate(s)/Telephone Number:	

An adequate stock of monitoring supplies and equipment for monitoring SSC will be available on the project site prior to a sampling event. Monitoring supplies and equipment will be stored in a cool temperature environment that will not come into contact with rain or direct sunlight. Sampling personnel will be available to collect samples in accordance with the sampling schedule. Supplies maintained at the project site will include, but are not limited to, clean powder-free nitrile gloves, sample collection equipment, appropriate sample containers, paper towels, personal rain gear, and *Effluent Sampling Field Log Sheets* and CoC forms provided in CSMP Attachment 3 "Example Forms".

Samples on the project site will be collected by the following [specify laboratory or environmental consultant]:

Company Name:	
Street Address:	
City, State, Zip:	
Telephone Number:	
Point of Contact:	
Name of Sampler(s):	

Name of Alternate(s):

The QSP or his/her designee will contact [specify name of laboratory or environmental consultant] 24 hours prior to a predicted rain event or for an unpredicted event, as soon as a rain event begins to ensure that adequate sample collection personnel, supplies for monitoring SSC are available and will be mobilized to collect samples on the project site in accordance with the sampling schedule.

7.7.3.1.3. Sample Collection and Analysis

Samples of runoff discharge shall be collected at the designated sampling locations shown on the Site Maps in Appendix B.

Grab samples shall be collected and preserved in accordance with the methods identified in the Table 7.19. Only personnel trained in water quality sampling under the direction of the QSP shall collect samples.

Sample collection and handling requirements are described in Section 7.7.7.

Table 7.19 Sample Collection, Preservation and Analysis for Monitoring Suspended Sediment Concentration (SSC)

Parameter	Test Method	Sample Preservation	Minimum Sample Volume[(1)]	Sample Bottle	Maximum Holding Time	Detection Limit (minimum)
Suspended Sediment Concentration (SSC)	ASTM D3977-97	Store at 4˚ C (39.2˚ F)	200 mL	Contact Laboratory	7 days	5 mg/L

Samples will be analyzed by:

Laboratory Name:

Street Address:

City, State Zip:

Telephone Number:

Point of Contact:

Samples will be delivered to the laboratory by:

Driven by Contractor	☐ Yes	☐ No
Picked up by Laboratory Courier	☐ Yes	☐ No
Shipped	☐ Yes	☐ No

7.7.3.1.4. Data Evaluation

There are no regulatory limitations on SSC in runoff. SSC data shall be reported with the Annual Report.

7.7.3.2 Sampling and Analysis Plan for pH, Turbidity, and SSC in Receiving Water

Following the exceedance of an NEL receiving water monitoring is required.

7.7.3.2.1. Sampling Schedule and Locations

Following the exceedance of the pH NEL receiving water samples shall be collected for pH and any parameters required by the Regional Water Board.

Following the exceedance of the turbidity NEL receiving water samples shall be collected for turbidity, SSC, and any parameters required by the Regional Water Board.

Receiving water samples will be collected [Enter Sampling Frequency].

Sampling locations are based on the site discharge locations into the receiving water, location accessibility for sampling, and personnel safety. Planned sampling locations Site Maps in Appendix B and include the locations identified below.

[Enter Number] sampling location(s) have been identified for the collection of receiving water samples.

Table 7.20 Receiving Water Sample Locations

Upstream/Upgradient/Background *(This location(s) is a representative and accessible location located as close as possible and upstream from the runoff discharge point)*		
Sample location number(s)	Sample Location Description	Sample Location Latitude and Longitude
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]
Downstream/downgradient *(This location(s) is a representative and accessible location located as close as possible and downstream from the runoff discharge point)*		
Sample location number(s)	Sample Location	Sample Location Latitude and Longitude
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]

7.7.3.2.2. Monitoring Preparation

Receiving water samples will be collected and analyzed by:

Contractor ☐ Yes ☐ No

Consultant ☐ Yes ☐ No

Laboratory ☐ Yes ☐ No

Samples on the project site will be collected by the following contractor sampling personnel:

Name/Telephone Number:

Alternate(s)/Telephone Number:

An adequate stock of monitoring supplies and equipment for monitoring the receiving will be available on the project site prior to a sampling event. Monitoring supplies and equipment will be stored in a cool temperature environment that will not come into contact with rain or direct sunlight. Sampling personnel will be available to collect samples in accordance with the sampling schedule. Supplies maintained at the project site will include, but are not limited to, clean powder-free nitrile gloves, sample collection equipment, field meters, appropriate sample

containers, paper towels, personal rain gear, and *Receiving Water Sampling Field Log Sheets* and CoC forms provided in CSMP Attachment 3 "Example Forms".

Samples on the project site will be collected by the following [specify laboratory or environmental consultant]:

Company Name:	
Street Address:	
City, State, Zip:	
Telephone Number:	
Point of Contact:	
Name of Sampler(s):	
Name of Alternate(s):	

The QSP or his/her designee will contact [specify name of laboratory or environmental consultant] 24 hours prior to a planned receiving water sampling event to ensure that adequate sample collection personnel, supplies for monitoring are available and will be mobilized to collect samples on the project site in accordance with the sampling schedule.

7.7.3.2.3. Sample Collection and Analysis

Receiving water samples shall be collected at the designated sampling locations shown on the Site Maps in Appendix B and as identified in Section 7.7.3.2.1.

Only personnel trained in water quality sampling under the direction of the QSP shall collect samples.

SSC grab samples for laboratory analysis shall be collected and preserved in accordance with the methods identified in the Table, "Sample Collection, Preservation and Analysis for Monitoring SSC" table provided in Section 7.7.3.1.3. Samples will be shipped to the laboratory identified in Section 7.7.3.1.3.

Samples for field parameters shall be analyzed for the constituents indicated in Section 7.7.2.4, "Sample Collection, and Analysis for Monitoring Turbidity and pH." Turbidity and pH samples shall be analyzed immediately.

Grab samples for parameters required by the Regional Water Board shall be collected and preserved in accordance with the methods identified Section 7.7.5.5. Samples will be shipped to the laboratory identified in Section 7.7.1.6.

Sample collection and handling requirements are described in Section 7.7.7.

7.7.3.2.3. Data Evaluation and Reporting

The QSP shall complete an evaluation of the receiving water quality sample analytical results.

Downgradient results shall be compared with the associated upgradient/background results and any associated construction runoff results. Should the downgradient sample show an increased level of the tested analyte relative to the upgradient/background sample, the QSP shall initiate an

evaluation of the BMPs, site conditions, and surrounding influences shall be assessed to determine the probable cause for the increase in the receiving water.

As determined by the evaluation, appropriate BMPs shall be repaired or modified to mitigate discharges of non-visible pollutant concentrations. Any revisions to the BMPs shall be recorded as an amendment to the SWPPP.

Receiving water data shall be reported in the Annual Report.

7.7.4 Sampling and Analysis Plan for Non-Stormwater Discharges

This project is not subject to the non-stormwater sampling and analysis requirements of the General Permit because it is a Risk Level 1 project.

Sampling of non-stormwater discharges will be conducted when an authorized or unauthorized non-stormwater discharge is observed discharging from the project site. In the event that non-stormwater discharges run-on to the project site from offsite locations, and this run-on has the potential to contribute to a violation of a NAL [or NEL], the run-on will also be sampled.

The following authorized non-stormwater discharges identified in Section 2.7, have the potential to be discharged from the project site.

- [NONE]
- [NONE]

In addition to the above authorized stormwater discharges, some construction activities have the potential to result in an unplanned (unauthorized) non-stormwater discharge if BMPs fail. These activities include:

- [NONE]
- [NONE]

7.7.4.1 Sampling Schedule

Samples of authorized or unauthorized non-stormwater discharges shall be collected when they are observed.

7.7.4.2 Sampling Locations

Samples shall be collected from the discharge point of the construction site where the non-stormwater discharge is running off the project site. Site discharge locations are shown on the Site Maps in SWPPP Appendix A and include the locations identified below.

[Enter Number] sampling location(s) on the project site and the contractor's yard have been identified where non-stormwater discharges may runoff from the project site.

[If applicable]

Sample Location Number	Sample Location	Sample Location Latitude and Longitude (Decimal Degrees)
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]

[Enter number of locations] sampling locations have been identified for the collection of non-stormwater discharges that run-on to the project site.

Sample Location Number	Sample Location	Sample Location Latitude and Longitude (Decimal Degrees)
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]

7.7.4.3 Monitoring Preparation

Non-stormwater discharge samples will be collected by:

Contractor ☐ Yes ☐ No

Consultant ☐ Yes ☐ No

Laboratory ☐ Yes ☐ No

Samples on the project site will be collected by the following contractor sampling personnel:

Name/Telephone Number:

Alternate(s)/Telephone Number:

An adequate stock of monitoring supplies and equipment for monitoring non-stormwater discharges will be available on the project site. Monitoring supplies and equipment will be stored in a cool temperature environment that will not come into contact with rain or direct sunlight. Personnel trained in sampling will be available to collect samples in accordance with the sampling schedule. Supplies maintained at the project site will include, but are not limited to, clean powder-free nitrile gloves, sample collection equipment, field meters, coolers, appropriate number and volume of sample bottles, identification labels, re-sealable storage bags, paper towels, personal rain gear, ice, and *Effluent Sampling Field Log Sheets* and CoC forms provided in CSMP Attachment 3 "Example Forms".

The contractor will obtain and maintain the field testing instruments, as identified in Section 7.7.2, for analyzing samples in the field by contractor sampling personnel.

Samples on the project site will be collected by the following [specify laboratory or environmental consultant]:

Company Name:	
Street Address:	
City, State Zip:	
Telephone Number:	
Point of Contact:	
Name of Sampler(s):	
Name of Alternate(s):	

The QSP or his/her designee will contact [specify name of laboratory or environmental consultant], 24 hours prior to a planned non-stormwater discharge or as soon as an unplanned non-stormwater discharge is observed to ensure that adequate sample collection personnel, supplies for non-stormwater discharge monitoring are available and will be mobilized to collect samples on the project site in accordance with the sampling schedule.

7.7.4.4 Analytical Constituents

All non-stormwater discharges that flow through a disturbed area shall, at minimum, be monitored for turbidity.

All non-stormwater discharges that flow through an area where they are exposed to pH altering materials shall be monitored for pH.

The QSP shall identify additional pollutants to be monitored for each non-stormwater discharge incident based on the source of the non-stormwater discharge. If the source of an unauthorized non-stormwater discharge is not known, monitoring for pH, turbidity, MBAS, TOC, and residual chlorine or chloramines is recommended to help identify the source of the discharge.

Non-stormwater discharge run-on shall be monitored, at minimum, for pH and turbidity. The QSP shall identify additional pollutants to be monitored for each non-stormwater discharge incident based on the source of the non-stormwater discharge. If the source of an unauthorized non-stormwater discharge is not known, monitoring for pH, turbidity, MBAS, TOC, and residual chlorine or chloramines is recommended to help identify the source of the discharge.

Table 7.21 lists the specific sources and types of potential non-visible pollutants on the project site and the water quality indicator constituent(s) for that pollutant.

Table 7.21 Potential Non-Stormwater Discharge Pollutants and Water Quality Indicator Constituents

Pollutant Source	Pollutant	Water Quality Indicator Constituent
Disturbed Areas	Sediment	Turbidity
Concrete Work	pH	pH

Table 7.21 Potential Non-Stormwater Discharge Pollutants and Water Quality Indicator Constituents

Pollutant Source	Pollutant	Water Quality Indicator Constituent

7.7.4.5 Sample Collection

Samples shall be collected at the discharge locations where the non-stormwater discharge is leaving the project site. Potential discharge locations are shown on the Site Maps in Appendix B and identified in Section 7.7.4.2.

Grab samples shall be collected and preserved in accordance with the methods identified in Table 7.22. Only personnel trained in water quality sampling under the direction of the QSP shall collect samples.

Sample collection and handling requirements are described in Section 7.7.7.

7.7.4.6 Sample Analysis

Samples shall be analyzed using the analytical methods identified in Table 7.22.

7.7.4.7 Data Evaluation and Reporting

The QSP shall complete an evaluation of the water quality sample analytical results.

Turbidity and pH results shall be evaluated for compliance with NALs [and NELs] as identified in Section 7.7.2.7.

Runoff results shall also be evaluated for the constituents suspected in the non-stormwater discharge. Should the runoff sample indicate the discharge of a pollutant which cannot be explained by run-on results, the BMPs, site conditions, and surrounding influences shall be assessed to determine the probable cause for the increase.

As determined by the site and data evaluation, appropriate BMPs shall be repaired or modified to mitigate discharges of non-visible pollutant concentrations. Any revisions to the BMPs shall be recorded as an amendment to the SWPPP.

Non-storm water discharge results shall be submitted with the Annual Report.

The General Permit prohibits the non-storm water discharges that contain hazardous substances equal to or in excess of reportable quantities established in 40 C.F.R. §§ 117.3 and 302.4. The results of any non-stormwater discharge results that indicate the presence of a hazardous substance in excess of established reportable quantities shall be immediately reported to the Regional Water Board.

Table 7.22 Sample Collection, Preservation and Analysis for Monitoring Pollutants in Non-Stormwater Discharges

Constituent	Analytical Method	Minimum Sample Volume	Sample Bottle	Sample Preservation	Reporting Limit	Maximum Holding Time
Notes:						

7.7.5 Sampling and Analysis Plan for Other Pollutants Required by the Regional Water Board

The Regional Water Board has specified monitoring for the following additional pollutants:

-
-

This Sampling and Analysis Plan describes the sampling and analysis strategy and schedule for monitoring additional pollutants as specified in the communication from the Regional Water Board dated [Enter Date]. This communication is included in CSMP Attachment 5 "Supplemental Information".

7.7.5.1 Sampling Schedule

Runoff samples shall be collected for [Enter Pollutants] from all qualifying rain events that result in a discharge from the project site. At minimum, samples will be collected from each site discharge location. A minimum of [Enter Number of Samples]samples will be collected per day of discharge from a qualifying event. Samples should be representative of the total discharge from the location each day of discharge during the qualifying event. Typically representative samples will be spaced in time throughout the daily discharge event.

Stored or collected water from a qualifying storm event will be sampled when discharged. Stored or collected water from a qualifying event may be sampled at the point it is release from the storage or containment area or at the site discharge location.

7.7.5.2 Sampling Locations

Sampling locations are based on the site discharge locations; accessibility for sampling; and personnel safety. Planned sample locations are shown on the Site Maps in Appendix B and include the locations identified below.

[Enter Number] sampling location(s) on the project site and the contractor's yard have been identified for the collection of runoff samples.

Table 7.23 Runoff Sample Locations for Other Pollutants Required by the Regional Water Board

Sample Location Number	**Sample Location**	**Sample Location Latitude and Longitude** (Decimal Degrees)
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]

Sample Location Number	Sample Location	Sample Location Latitude and Longitude (Decimal Degrees)
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]
[Enter Number]	[Enter Location]	[Enter Latitude] [Enter Longitude]

7.7.5.3 Monitoring Preparation

Samples will be collected by:

Contractor ☐ Yes ☐ No

Consultant ☐ Yes ☐ No

Laboratory ☐ Yes ☐ No

Samples on the project site will be collected by the following contractor sampling personnel:

Name/Telephone Number:

Alternate(s)/Telephone Number:

An adequate stock of monitoring supplies and equipment for monitoring [Enter Pollutants] will be available on the project site prior to a sampling event. Monitoring supplies and equipment will be stored in a cool temperature environment that will not come into contact with rain or direct sunlight. Sampling personnel will be available to collect samples in accordance with the sampling schedule. Supplies maintained at the project site will include, but are not limited to, field meters, and backup; extra batteries; clean powder-free nitrile gloves, sample collection equipment, appropriate sample containers, paper towels, personal rain gear, and *Effluent Sampling Field Log Sheets* and CoC forms provided in CSMP Attachment 3 "Example Forms".

The contractor will obtain and maintain the field testing instruments, as identified in Section 7.7.2, for analyzing samples in the field by contractor sampling personnel.

Samples on the project site will be collected by the following [specify laboratory or environmental consultant]:

Company Name:

Street Address:

City, State, Zip:

Telephone Number:

Point of Contact:

Name of Sampler(s):

Name of Alternate(s):

The QSP or his/her designee will contact [specify name of laboratory or environmental consultant] 24 hours prior to a predicted rain event or for an unpredicted event, as soon as a rain event begins to ensure that adequate sample collection personnel, supplies for monitoring [Enter Pollutants] are available and will be mobilized to collect samples on the project site in accordance with the sampling schedule.

7.7.5.4 Sample Collection

Runoff samples of discharge shall be collected at the designated sampling locations as identified above and shown on the Site Maps in Appendix B and as identified in Section 7.7.5.2.

Grab samples shall be collected and preserved in accordance with the methods identified in Table 7.24. Only personnel trained in water quality sampling under the direction of the QSP shall collect samples.

Sample collection and handling requirements are described in Section 7.7.7.

7.7.5.5 Sample Analysis

Samples shall be analyzed using the analytical methods identified in Table 7.24.

Table 7.24 Sample Collection, Preservation and Analysis for Monitoring Regional Board Required Pollutants

Constituent	Analytical Method	Minimum Sample Volume	Sample Bottle	Sample Preservation	Reporting Limit	Maximum Holding Time
Notes:						

7.7.5.6 Data Evaluation and Reporting

7.7.6 Training of Sampling Personnel

Sampling personnel shall be trained to collect, maintain, and ship samples in accordance with the Surface Water Ambient Monitoring program (SWAMP) 2008 Quality Assurance Program Plan (QAPrP). Training records of designated contractor sampling personnel are provided in Appendix K.

The stormwater sampler(s) and alternate(s) have received the following stormwater sampling training:

Name	Training
	INSERT LIST OF TRAINING COURSES
	INSERT LIST OF TRAINING COURSES

The stormwater sampler(s) and alternates have the following stormwater sampling experience:

Name	Experience
	INSERT LIST OF STORMWATER SAMPLING EXPERIENCE
	INSERT LIST OF STORMWATER SAMPLING EXPERIENCE

7.7.7 Sample Collection and Handling

7.7.7.1 Sample Collection

Samples shall be collected at the designated sampling locations shown on the Site Maps and listed in the preceding sections. Samples shall be collected, maintained and shipped in accordance with the SWAMP 2008 Quality Assurance Program Plan (QAPrP).

Grab samples shall be collected and preserved in accordance with the methods identified in preceding sections.

To maintain sample integrity and prevent cross-contamination, sample collection personnel shall follow the protocols below.

- Collect samples (for laboratory analysis) only in analytical laboratory-provided sample containers;
- Wear clean, powder-free nitrile gloves when collecting samples;
- Change gloves whenever something not known to be clean has been touched;
- Change gloves between sites;
- Decontaminate all equipment (e.g. bucket, tubing) prior to sample collection using a trisodium phosphate water wash, distilled water rinse, and final rinse with distilled water. (Dispose of wash and rinse water appropriately, i.e., do not discharge to storm drain or receiving water). Do not decontaminate laboratory provided sample containers;
- Do not smoke during sampling events;
- Never sample near a running vehicle;

- Do not park vehicles in the immediate sample collection area (even non-running vehicles);
- Do not eat or drink during sample collection; and
- Do not breathe, sneeze, or cough in the direction of an open sample container.

The most important aspect of grab sampling is to collect a sample that represents the entire runoff stream. Typically, samples are collected by dipping the collection container in the runoff flow paths and streams as noted below.

i. For small streams and flow paths, simply dip the bottle facing upstream until full.
ii. For larger stream that can be safely accessed, collect a sample in the middle of the flow stream by directly dipping the mouth of the bottle. Once again making sure that the opening of the bottle is facing upstream as to avoid any contamination by the sampler.
iii. For larger streams that cannot be safely waded, pole-samplers may be needed to safely access the representative flow.
iv. Avoid collecting samples from ponded, sluggish or stagnant water.
v. Avoid collecting samples directly downstream from a bridge as the samples can be affected by the bridge structure or runoff from the road surface.

Note, that depending upon the specific analytical test, some containers may contain preservatives. These containers should **never** be dipped into the stream, but filled indirectly from the collection container.

7.7.7.2 Sample Handling

Turbidity and pH measurements must be conducted immediately. Do not store turbidity or pH samples for later measurement.

Samples for laboratory analysis must be handled as follows. Immediately following sample collection:

- Cap sample containers;
- Complete sample container labels;
- Sealed containers in a re-sealable storage bag;
- Place sample containers into an ice-chilled cooler;
- Document sample information on the *Effluent Sampling Field Log Sheet*; and
- Complete the CoC.

All samples for laboratory analysis must be maintained between 0-6 degrees Celsius during delivery to the laboratory. Samples must be kept on ice, or refrigerated, from sample collection through delivery to the laboratory. Place samples to be shipped inside coolers with ice. Make sure the sample bottles are well packaged to prevent breakage and secure cooler lids with packaging tape.

Ship samples that will be laboratory analyzed to the analytical laboratory right away. Hold times are measured from the time the sample is collected to the time the sample is analyzed. The General Permit requires that samples be received by the analytical laboratory within 48 hours of the physical sampling (unless required sooner by the analytical laboratory).

Laboratory Name:

Address:	
City, State Zip:	
Telephone Number:	
Point of Contact:	

7.7.7.3 Sample Documentation Procedures

All original data documented on sample bottle identification labels, *Effluent Sampling Field Log Sheet*, and CoCs shall be recorded using waterproof ink. These shall be considered accountable documents. If an error is made on an accountable document, the individual shall make corrections by lining through the error and entering the correct information. The erroneous information shall not be obliterated. All corrections shall be initialed and dated.

Duplicate samples shall be identified consistent with the numbering system for other samples to prevent the laboratory from identifying duplicate samples. Duplicate samples shall be identified in the Effluent Sampling Field Log Sheet.

Sample documentation procedures include the following:

Sample Bottle Identification Labels: Sampling personnel shall attach an identification label to each sample bottle. Sample identification shall uniquely identify each sample location.

Field Log Sheets: Sampling personnel shall complete the *Effluent Sampling Field Log Sheet* and *Receiving Water Sampling Field Log Sheet* for each sampling event, as appropriate.

Chain of Custody: Sampling personnel shall complete the CoC for each sampling event for which samples are collected for laboratory analysis. The sampler will sign the CoC when the sample(s) is turned over to the testing laboratory or courier.

7.8 Active Treatment System Monitoring

An Active Treatment System (ATS) will be deployed on the site?

☐ Yes ☒ No

7.9 Bioassessment Monitoring

This project is not subject to bioassessment monitoring because it is not a Risk Level 3 project.

This project is subject to bioassessment monitoring requirements. The bioassessment monitoring program is specified in [Insert the name of plan where the bioassessment monitoring plan is documented].

This project is subject to bioassessment monitoring requirements. The Regional Water Board has approved a bioassessment sampling exception for the project. Documentation of the sampling exception approval and payment to the SWAMP fund is included in CSMP Attachment 5 "Supplemental Information".

7.10 Watershed Monitoring Option

This project is not participating in a watershed monitoring option.

This project is participating in a watershed monitoring option.

[Insert summary of the watershed monitoring and Regional Board approval of the program]

7.11 Quality Assurance and Quality Control

An effective Quality Assurance and Quality Control (QA/QC) plan shall be implemented as part of the CSMP to ensure that analytical data can be used with confidence. QA/QC procedures to be initiated include the following:

- Field logs;
- Clean sampling techniques;
- CoCs;
- QA/QC Samples; and
- Data verification.

Each of these procedures is discussed in more detail in the following sections.

7.11.1 Field Logs

The purpose of field logs is to record sampling information and field observations during monitoring that may explain any uncharacteristic analytical results. Sampling information to be included in the field log include the date and time of water quality sample collection, sampling personnel, sample container identification numbers, and types of samples that were collected. Field observations should be noted in the field log for any abnormalities at the sampling location (color, odor, BMPs, etc.). Field measurements for pH and turbidity should also be recorded in the field log. A Visual Inspection Field Log, an Effluent Sampling Field Log Sheet, [and a Receiving Water Sampling Field Log Sheet] are included in CSMP Attachment 3 "Example Forms".

7.11.2 Clean Sampling Techniques

Clean sampling techniques involve the use of certified clean containers for sample collection and clean powder-free nitrile gloves during sample collection and handling. As discussed in Section 7.7.7, adoption of a clean sampling approach will minimize the chance of field contamination and questionable data results.

7.11.3 Chain of Custody

The sample CoC is an important documentation step that tracks samples from collection through analysis to ensure the validity of the sample. Sample CoC procedures include the following:

- Proper labeling of samples;
- Use of CoC forms for all samples; and
- Prompt sample delivery to the analytical laboratory.

Analytical laboratories usually provide CoC forms to be filled out for sample containers. An example CoC is included in CSMP Attachment 3 "Example Forms".

7.11.4 QA/QC Samples

QA/QC samples provide an indication of the accuracy and precision of the sample collection; sample handling; field measurements; and analytical laboratory methods. The following types of QA/QC will be conducted for this project:

☐ Field Duplicates at a frequency of [5 percent or 1 duplicate minimum per sampling event]
(Required for all sampling plans with field measurements or laboratory analysis)

☐ Equipment Blanks at a frequency of [Insert frequency required by method]
(Only needed if equipment used to collect samples could add the pollutants to sample)

☐ Field Blanks at a frequency of [Insert frequency required by method]
(Only required if sampling method calls for field blanks)

☐ Travel Blanks at a frequency of [Insert frequency required by method]
(Required for sampling plans that include VOC laboratory analysis)

7.11.4.1 Field Duplicates

Field duplicates provide verification of laboratory or field analysis and sample collection. Duplicate samples shall be collected, handled, and analyzed using the same protocols as primary samples. The sample location where field duplicates are collected shall be randomly selected from the discharge locations. Duplicate samples shall be collected immediately after the primary sample has been collected. Duplicate samples must be collected in the same manner and as close in time as possible to the original sample. Duplicate samples shall not influence any evaluations or conclusion.

7.11.4.2 Equipment Blanks

Equipment blanks provide verification that equipment has not introduced a pollutant into the sample. Equipment blanks are typically collected when:

- New equipment is used;
- Equipment that has been cleaned after use at a contaminated site;
- Equipment that is not dedicated for surface water sampling is used; or
- Whenever a new lot of filters is used when sampling metals.

7.11.4.3 Field Blanks

Field blanks assess potential sample contamination levels that occur during field sampling activities. De-ioninzed water field blanks are taken to the field, transferred to the appropriate container, and treated the same as the corresponding sample type during the course of a sampling event.

7.11.4.4 Travel Blanks

Travel blanks assess the potential for cross-contamination of volatile constituents between sample containers during shipment from the field to the laboratory. De-ioninzed water blanks are taken along for the trip and held unopened in the same cooler with the VOC samples.

7.11.5 Data Verification

After results are received from the analytical laboratory, the QSP shall verify the data to ensure that it is complete, accurate, and the appropriate QA/QC requirements were met. Data must be verified as soon as the data reports are received. Data verification shall include:

- Check the CoC and laboratory reports.
  Make sure all requested analyses were performed and all samples are accounted for in the reports.
- Check laboratory reports to make sure hold times were met and that the reporting levels meet or are lower than the reporting levels agreed to in the contract.
- Check data for outlier values and follow up with the laboratory.
  Occasionally typographical errors, unit reporting errors, or incomplete results are reported and should be easily detected. These errors need to be identified, clarified, and corrected quickly by the laboratory. The QSP should especially note data that is an order of magnitude or more different than similar locations, or is inconsistent with previous data from the same location.
- Check laboratory QA/QC results.
  EPA establishes QA/QC checks and acceptable criteria for laboratory analyses. These data are typically reported along with the sample results. The QSP shall evaluate the reported QA/QC data to check for contamination (method, field, and equipment blanks), precision (laboratory matrix spike duplicates), and accuracy (matrix spikes and laboratory control samples). When QA/QC checks are outside acceptable ranges, the laboratory must flag the data, and usually provides an explanation of the potential impact to the sample results.
- Check the data set for outlier values and, accordingly, confirm results and re-analyze samples where appropriate.
  Sample re-analysis should only be undertaken when it appears that some part of the QA/QC resulted in a value out of the accepted range. Sample results may not be discounted unless the analytical laboratory identifies the required QA/QC criteria were not met and confirms this in writing.

Field data including inspections and observations must be verified as soon as the field logs are received, typically at the end of the sampling event. Field data verification shall include:

- Check field logs to make sure all required measurements were completed and appropriately documented;
- Check reported values that appear out of the typical range or inconsistent;
  Follow-up immediately to identify potential reporting or equipment problems, if appropriate, recalibrate equipment after sampling;
- Verify equipment calibrations;
- Review observations noted on the field logs; and
- Review notations of any errors and actions taken to correct the equipment or recording errors.

7.12 Records Retention

All records of stormwater monitoring information and copies of reports (including Annual Reports) must be retained for a period of at least three years from date of submittal or longer if required by the Regional Water Board.

Results of visual monitoring, field measurements, and laboratory analyses must be kept in the SWPPP along with CoCs, and other documentation related to the monitoring.

Records are to be kept onsite while construction is ongoing. Records to be retained include:

- The date, place, and time of inspections, sampling, visual observations, and/or measurements, including precipitation;
- The individual(s) who performed the inspections, sampling, visual observation, and/or field measurements;
- The date and approximate time of field measurements and laboratory analyses;
- The individual(s) who performed the laboratory analyses;
- A summary of all analytical results, the method detection limits and reporting limits, and the analytical techniques or methods used;
- Rain gauge readings from site inspections;
- QA/QC records and results;
- Calibration records;
- Visual observation and sample collection exemption records;
- The records of any corrective actions and follow-up activities that resulted from analytical results, visual observations, or inspections; [and]
- [NAL Exceedance Reports]; [and]
- [NEL Violation Reports].

CSMP Attachment 1: Weather Reports

INSTRUCTIONS

Place printed NOAA weather forecasts in this Attachment.

CSMP Attachment 2: Monitoring Records

INSTRUCTIONS

Place completed BMP Inspection Forms, Visual Monitoring, Effluent Sampling and Receiving Water Field Logs, Monitoring Exceptions, and NAL/NEL Exceedance Reports in this Attachment.

CSMP Attachment 3: Example Forms

INSTRUCTIONS

Place example forms and check lists, e.g., Rain Gauge Logs, Field Logs, NAL/NEL Exceedance Reports, CoCs, in this Attachment.

Rain Gauge Log Sheet				
Construction Site Name:				
WDID #:				
Date (mm/dd/yy)	Time (24-hr)	Initials	Rainfall Depth (Inches)	Notes:

Risk Level 1, 2, 3 ***Visual Inspection Field Log Sheet***						
Date and Time of Inspection:				Report Date:		
Inspection Type:	☐ Weekly	☐ Before predicted rain	☐ During rain event	☐ Following qualifying rain event	☐ Contained stormwater release	☐ Quarterly non-stormwater
Site Information						
Construction Site Name:						
Construction stage and completed activities:					Approximate area of exposed site:	
Weather and Observations						
Date Rain Predicted to Occur:				Predicted % chance of rain:		
Estimate storm beginning: _____ (date and time)		Estimate storm duration:_____ (hours)		Estimate time since last storm: _____ (days or hours)	Rain gauge reading:_____ (inches)	
Observations: If yes identify location						
Odors	Yes ☐	No ☐				
Floating material	Yes ☐	No ☐				
Suspended Material	Yes ☐	No ☐				
Sheen	Yes ☐	No ☐				
Discolorations	Yes ☐	No ☐				
Turbidity	Yes ☐	No ☐				
Site Inspections						
Outfalls or BMPs Evaluated			**Deficiencies Noted**			
(add additional sheets or attached detailed BMP Inspection Checklists)						
Photos Taken:	Yes ☐	No ☐	Photo Reference IDs:			
Corrective Actions Identified (note if SWPPP/REAP change is needed)						
Inspector Information						
Inspector Name:				Inspector Title:		
Signature:					Date:	

Risk Level 2 ***Effluent Sampling Field Log Sheets***			
Construction Site Name:		Date:	Time Start:
Sampler:			
Sampling Event Type:	☐ Stormwater	☐ Non-stormwater	☐ Non-visible pollutant

Field Meter Calibration	
pH Meter ID No./Desc.: Calibration Date/Time:	Turbidity Meter ID No./Desc.: Calibration Date/Time:

Field pH and Turbidity Measurements

Discharge Location Description	pH	Turbidity	Time

Grab Samples Collected

Discharge Location Description	Sample Type	Time

Additional Sampling Notes:

Time End:

Risk Level 3 ***Effluent Sampling Field Log Sheets***				
Construction Site Name:		Date:		Time Start:
Sampler:				
Sampling Event Type:	☐ Stormwater	☐ Non-stormwater	☐ Non-visible pollutant	☐ Post NEL Exceedance
Field Meter Calibration				
pH Meter ID No./Desc.: Calibration Date/Time:		Turbidity Meter ID No./Desc.: Calibration Date/Time:		
Field pH and Turbidity Measurements				
Discharge Location Description	pH	Turbidity	Time	
Grab Samples Collected				
Discharge Location Description	SSC	Other (specify)	Time	
Additional Sampling Notes:				
Time End:				

Risk Level 3 ***Receiving Water Sampling Field Log Sheets***		
Construction Site Name:	Date:	Time Start:
Sampler:		
Receiving Water Description and Observations		
Receiving Water Name/ID:		
Observations:		
Odors	Yes ☐ No ☐	
Floating material	Yes ☐ No ☐	
Suspended Material	Yes ☐ No ☐	
Sheen	Yes ☐ No ☐	
Discolorations	Yes ☐ No ☐	
Turbidity	Yes ☐ No ☐	
Field Meter Calibration		
pH Meter ID No./Desc.: Calibration Date/Time:	Turbidity Meter ID No./Desc.: Calibration Date/Time:	

Field pH and Turbidity Measurements and SSC Grab Sample			
Upstream Location			
Type	Result	Time	Notes
pH			
Turbidity			
SSC	Collected Yes ☐ No ☐		
Downstream Location			
Type	Result	Time	Notes
pH			
Turbidity			
SSC	Collected Yes ☐ No ☐		

Additional Sampling Notes:
Time End:

NAL or NEL Exceedance Evaluation Summary Report	Page __ of __
Project Name	
Project WDID	
Project Location	
Date of Exceedance	
Type of Exceedance	**NAL Daily Average** ☐ **pH** ☐ **Turbidity** **NEL Daily Average** ☐ **pH** ☐ **Turbidity** ☐ **Other (specify) _____**
Measurement or Analytical Method	☐ **Field meter** **(Sensitivity: _____)** ☐ **Lab method (specify) _____** **(Reporting Limit: _____)** **(MDL: _____)**
Calculated Daily Average	☐ **pH _ pH units** ☐ **Turbidity __ NTU**
Rain Gauge Measurement	**_____ inches**
Compliance Storm Event	**_____ inches (5-year, 24-hour event)**
Visual Observations on Day of Exceedance	

NAL or NEL Exceedance Evaluation Summary Report	Page __ of __
Description of BMPs in Place at Time of Event	
Initial Assessment of Cause	
Corrective Actions Taken (deployed after exceedance)	
Additional Corrective Actions Proposed	
Report Completed By	_____ **(Print Name, Title)**
Signature	_____

CHAIN-OF-CUSTODY **DATE:** **Lab ID:**

DESTINATION LAB: ATTN: **ADDRESS:** **Office Phone:** **Cell Phone:**							REQUESTED ANALYSIS				Notes:
SAMPLED BY:											
Contact:											
Project Name											
Client Sample ID	**Sample Date**	**Sample Time**	**Sample Matrix**	**Container #**	**Container Type**	**Container Pres.**					

SENDER COMMENTS:	**RELINQUISHED BY**	
	Signature:	
	Print:	
	Company:	
	Date:	TIME:
LABORATORY COMMENTS:	**RECEIVED BY**	
	Signature:	
	Print:	
	Company:	
	Date:	TIME:

CSMP Attachment 4: Field Meter Instructions

INSTRUCTIONS

Place instructions for field meters that will be used by contractor personnel in this Attachment.

CSMP Attachment 5: Supplemental Information

INSTRUCTIONS

Place documents related to Regional Board required monitoring, watershed monitoring option approval, and bioassessment exception approval in this Attachment.

Section 8 References

Project Plans and Specifications No. [TTM 36713] dated [4-26-2017], prepared by [Sake Engineers Inc.]

State Water Resources Control Board (2009). Order 2009-0009-DWQ, NPDES General Permit No. CAS000002: National Pollutant Discharges Elimination System (NPDES) California General Permit for Storm Water Discharge Associated with Construction and Land Disturbing Activities. Available on-line at: http://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.shtml.

State Water Resources Control Board (2010). Order 2010-0014-DWQ, NPDES General Permit No. CAS000002: National Pollutant Discharges Elimination System (NPDES) California General Permit for Storm Water Discharge Associated with Construction and Land Disturbing Activities. Available on-line at: http://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.shtml.

[Include additional references as needed]

Example

CASQA 2009, *Stormwater BMP Handbook Portal: Construction*, November 2009, www.casqa.org

Appendix A: Calculations

INSTRUCTIONS

- *Include calculations here*

Appendix B: Site Maps

INSTRUCTIONS

- *Include maps here*

Appendix C: Permit Registration Documents

Permit Registration Documents included in this Appendix

Y/N	Permit Registration Document
Y	Notice of Intent
Y	Risk Assessment
N	Certification
N	Post Construction Water Balance
Y	Copy of Annual Fee Receipt
N	ATS Design Documents
Y	Site Map, see Appendix B

Appendix D: SWPPP Amendment Certifications

INSTRUCTIONS

- *Include certification statements for each SWPPP amendment.*

SWPPP Amendment No. _____

Project Name: TTM 36713

Project Number: _____

Qualified SWPPP Developer's Certification of the
Stormwater Pollution Prevention Plan Amendment

"This Stormwater Pollution Prevention Plan and attachments were prepared under my direction to meet the requirements of the California Construction General Permit (SWRCB Order No. 2009-009-DWQ as amended by 2010-0014-DWQ). I certify that I am a Qualified SWPPP Developer in good standing as of the date signed below."

QSD's Signature	Date
QSD Name	QSD Certificate Number
Title and Affiliation	Telephone
Address	Email

Appendix E: Submitted Changes to PRDs

Log of Updated PRDs

The General Permit allows for the reduction or increase of the total acreage covered under the General Permit when a portion of the project is complete and/or conditions for termination of coverage have been met; when ownership of a portion of the project is purchased by a different entity; or when new acreage is added to the project.

Modified PRDs shall be filed electronically within 30 days of a reduction or increase in total disturbed area if a change in permit covered acreage is to be sought. The SWPPP shall be modified appropriately, with revisions and amendments recorded in Appendix C. Updated PRDs submitted electronically via SMARTS can be found in this Appendix.

This appendix includes all of the following updated PRDs (check all that apply):

☐ Revised Notice of Intent (NOI);

☐ Revised Site Map;

☐ Revised Risk Assessment;

☐ New landowner's information (name, address, phone number, email address); and

☐ New signed certification statement.

Legally Responsible Person [if organization]

Signature of [Authorized Representative of] Legally Responsible Person or Approved Signatory

Date

Name of [Authorized Representative of] Legally Responsible Person or Approved Signatory

Telephone Number

Appendix F: Construction Schedule

INSTRUCTIONS

- *Include a copy of construction schedule*

Appendix G: Construction Activities, Materials Used, and Associated Pollutants

INSTRUCTIONS

- List construction materials that will be used and construction activities that will have the potential to contribute to the discharge of pollutants to stormwater.
- List construction activities (i.e., construction or demolition activity, including, but not limited to, clearing, grading, grubbing, or excavation) that have the potential to contribute sediment or other pollutants to stormwater discharges.
- Delete phases that are not applicable to Project
- Insert as many lines to Table G.1 as necessary to complete the list, use Table G.a below to assist in the completion of Table G.1
- Pollutant Categories identified are consistent with the *CASQA BMP Handbook Portal*: *Construction*: Sediment, Nutrients, Bacteria and Viruses, Oil and Grease, Metals, Synthetic Organics, Pesticides, Gross Pollutants, and Vector Production
- For sampling requirements for non-visible pollutants associated with construction site activity please refer to Section 7.7.1.

Table G.a POLLUTANTS ASSOCIATED WITH CONSTRUCTION ACTIVITIES

General Work Activity/ Products With Potential Stormwater Pollutants	Specific Work Activity/Products With Potential Stormwater Pollutants	Pollutant Categories
Adhesives	• Adhesives, glues, resins, epoxy synthetics, PVC cement • Caulks, sealers, putty, sealing agents and • Coal tars (naphtha, pitch)	Oil and Grease, Synthetic Organics[1]
Asphalt paving/curbs	• Hot and cold mix asphalt	Oil and Grease
Cleaners	• Polishes (metal, ceramic, tile) • Etching agents • Cleaners, ammonia, lye, caustic sodas, bleaching agents and chromate salts	Metals, Synthetic Organics
Concrete / Masonry	• Cement and brick dust • Colored chalks • Concrete curing compounds • Glazing compounds • Surfaces cleaners • Saw cut slurries • Tile cutting	Metals, Synthetic Organics
Drywall	• Saw-cutting drywall	Metals
Framing/Carpentry	• Sawdust, particle board dust, and treated woods • Saw cut slurries	Metals, Synthetic Organics
Heating, Ventilation, Air Conditioning	• Demolition or construction of air condition and heating systems	Metals, Synthetic Organics
Insulation	• Demolition or construction involving insulation, venting systems	Metals, Synthetic Organics

Table G.a POLLUTANTS ASSOCIATED WITH CONSTRUCTION ACTIVITIES

General Work Activity/ Products With Potential Stormwater Pollutants	Specific Work Activity/Products With Potential Stormwater Pollutants	Pollutant Categories
Liquid waste	• Wash waters • Irrigation line testing/flushing	Metals, Synthetic Organics
Painting	• Paint thinners, acetone, methyl ethyl ketone, stripper paints, lacquers, varnish, enamels, turpentine, gum spirit, solvents, dyes, stripping pigments and sanding	Metals, Synthetic Organics
Planting / Vegetation Management	• Vegetation control (pesticides/herbicides) • Planting • Plant maintenance • Vegetation removal	Nutrients, Metals, Synthetic Organics
Plumbing	• Solder (lead, tin), flux (zinc chloride), pipe fitting • Galvanized metal in nails, fences, and electric wiring	Metals, Synthetic Organics
Pools/fountains	• Chlorinated water	Synthetic Organics
Removal of existing structures	• Demolition of asphalt, concrete, masonry, framing, roofing, metal structures.	Metals, Oil and Grease, Synthetic Organics
Roofing	• Flashing • Saw cut slurries (tile cutting) • Shingle scrap and debris	Metals, Oil and Grease, Synthetic Organics
Sanitary waste	• Portable toilets • Disturbance of existing sewer lines.	Nutrients
Soil preparation/amendments	• Use of soil additives/amendments	Nutrients
Solid waste	• Litter, trash and debris • Vegetation	Gross Pollutants
Utility line testing and flushing	• Hydrostatic test water • Pipe flushing	Synthetic Organics
Vehicle and equipment use	• Equipment operation • Equipment maintenance • Equipment washing • Equipment fueling	Oil and Grease

[1] Synthetic Organics are defined in Table 1.2 of the CASQA *Stormwater BMP Handbook Portal: Construction* as adhesives, cleaners, sealants, solvents, etc. These are generally categorized as VOCs or SVOCs.

Table G.1 Construction Activities and Associated Pollutants

Phase	Activity	Associated Materials or Pollutants	Pollutant Category[1]
Grading and Land Development			
Streets and Utilities Phase			
Vertical Construction Phase			
Landscaping and Site Stabilization Phase			

[1] Categories per CASQA BMP Handbook (i.e., Sediment, Nutrients, Bacteria and Viruses, Oil and Grease, Metals, Synthetic Organics, Pesticides, Gross Pollutants, and Vector Production)

Appendix H: CASQA Stormwater BMP Handbook Portal: Construction Fact Sheets

INSTRUCTIONS

- *Include Fact Sheets for BMPs identified in Section 3 of this SWPPP*

Appendix I: BMP Inspection Form

INSTRUCTIONS

- *Identify Risk Level, for Risk Level 2 or 3 include highlighted text*

BMP INSPECTION REPORT

Date and Time of Inspection:	Date Report Written:

Inspection Type: (Circle one)	Weekly *Complete Parts I,II,III and VII*	Pre-Storm *Complete Parts I,II,III,IV and VII*	During Rain Event *Complete Parts I, II, III, V, and VII*	Post-Storm *Complete Parts I,II,III,VI and VII*

Part I. General Information

Site Information

Construction Site Name:	
Construction stage and completed activities:	Approximate area of site that is exposed:

Photos Taken: (Circle one)	Yes	No	Photo Reference IDs:

Weather

Estimate storm beginning: (date and time)	Estimate storm duration: (hours)
Estimate time since last storm: (days or hours)	Rain gauge reading and location: (in)

Is a "Qualifying Event" predicted or did one occur (i.e., 0.5" rain with 48-hrs or greater between events)? (Y/N)
If yes, summarize forecast:

Exemption Documentation (explanation required if inspection could not be conducted). Visual inspections are not required outside of business hours or during dangerous weather conditions such as flooding or electrical storms.

Inspector Information

Inspector Name:	Inspector Title:
Signature:	Date:

Part II. BMP Observations. Describe deficiencies in Part III.			
Minimum BMPs for Risk Level _____ Sites	Failures or other short comings (yes, no, N/A)	Action Required (yes/no)	Action Implemented (Date)
Good Housekeeping for Construction Materials			
Inventory of products (excluding materials designed to be outdoors)			
Stockpiled construction materials not actively in use are covered and bermed			
All chemicals are stored in watertight containers with appropriate secondary containment, or in a completely enclosed storage shed			
Construction materials are minimally exposed to precipitation			
BMPs preventing the off-site tracking of materials are implemented and properly effective			
Good Housekeeping for Waste Management			
Wash/rinse water and materials are prevented from being disposed into the storm drain system			
Portable toilets are contained to prevent discharges of waste			
Sanitation facilities are clean and with no apparent for leaks and spills			
Equipment is in place to cover waste disposal containers at the end of business day and during rain events			
Discharges from waste disposal containers are prevented from discharging to the storm drain system / receiving water			
Stockpiled waste material is securely protected from wind and rain if not actively in use			
Procedures are in place for addressing hazardous and non-hazardous spills			
Appropriate spill response personnel are assigned and trained			
Equipment and materials for cleanup of spills is available onsite			
Washout areas (e.g., concrete) are contained appropriately to prevent discharge or infiltration into the underlying soil			
Good Housekeeping for Vehicle Storage and Maintenance			
Measures are in place to prevent oil, grease, or fuel from leaking into the ground, storm drains, or surface waters			
All equipment or vehicles are fueled, maintained, and stored in a designated area with appropriate BMPs			
Vehicle and equipment leaks are cleaned immediately and disposed of properly			

Part II. BMP Observations Continued. Describe deficiencies in Part III.			
Minimum BMPs for Risk Level _____ Sites	Adequately designed, implemented and effective (yes, no, N/A)	Action Required (yes/no)	Action Implemented (Date)
Good Housekeeping for Landscape Materials			
Stockpiled landscape materials such as mulches and topsoil are contained and covered when not actively in use			
Erodible landscape material has not been applied 2 days before a forecasted rain event or during an event			
Erodible landscape materials are applied at quantities and rates in accordance with manufacturer recommendations			
Bagged erodible landscape materials are stored on pallets and covered			
Good Housekeeping for Air Deposition of Site Materials			
Good housekeeping measures are implemented onsite to control the air deposition of site materials and from site operations			
Non-Stormwater Management			
Non-Stormwater discharges are properly controlled			
Vehicles are washed in a manner to prevent non-stormwater discharges to surface waters or drainage systems			
Streets are cleaned in a manner to prevent unauthorized non-stormwater discharges to surface waters or drainage systems.			
Erosion Controls			
Wind erosion controls are effectively implemented			
Effective soil cover is provided for disturbed areas inactive (i.e., not scheduled to be disturbed for 14 days) as well as finished slopes, open space, utility backfill, and completed lots			
The use of plastic materials is limited in cases when a more sustainable, environmentally friendly alternative exists.			
Sediment Controls			
Perimeter controls are established and effective at controlling erosion and sediment discharges from the site			
Entrances and exits are stabilized to control erosion and sediment discharges from the site			
Sediment basins are properly maintained			
Linear sediment control along toe of slope, face of slope an at grade breaks (Risk Level 2 & 3 Only)			
Limit construction activity to and from site to entrances and exits that employ effective controls to prevent offsite tracking (Risk Level 2 & 3 Only)			

Ensure all storm, drain inlets and perimeter controls, runoff control BMPs and pollutants controls at entrances and exits are maintained and protected from activities the reduce their effectiveness (Risk Level 2 & 3 Only)			
Inspect all immediate access roads daily (Risk Level 2 & 3 Only)			
Run-On and Run-Off Controls			
Run-on to the site is effectively managed and directed away from all disturbed areas.			
Other			
Are the project SWPPP and BMP plan up to date, available on-site and being properly implemented?			

Part III. Descriptions of BMP Deficiencies

Deficiency	Repairs Implemented: Note - Repairs must begin within 72 hours of identification and, complete repairs as soon as possible.	
	Start Date	Action
1.		
2.		
3.		
4.		

Part IV. Additional Pre-Storm Observations. Note the presence or absence of floating and suspended materials, sheen, discoloration, turbidity, odors, and source(s) of pollutants(s).

	Yes, No, N/A
Do stormwater storage and containment areas have adequate freeboard? If no, complete Part III.	
Are drainage areas free of spills, leaks, or uncontrolled pollutant sources? If no, complete Part VII and describe below.	
Notes:	
Are stormwater storage and containment areas free of leaks? If no, complete Parts III and/or VII and describe below.	

Notes:	

Part V. Additional During Storm Observations. If BMPs cannot be inspected during inclement weather, list the results of visual inspections at all relevant outfalls, discharge points, and downstream locations. Note odors or visible sheen on the surface of discharges. Complete Part VII (Corrective Actions) as needed.	
Outfall, Discharge Point, or Other Downstream Location	
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description

Part VI. Additional Post-Storm Observations. Visually observe (inspect) stormwater discharges at all discharge locations within two business days (48 hours) after each qualifying rain event, and observe (inspect) the discharge of stored or contained stormwater that is derived from and discharged subsequent to a qualifying rain event producing precipitation of ½ inch or more at the time of discharge. Complete Part VII (Corrective Actions) as needed.	
Discharge Location, Storage or Containment Area	**Visual Observation**

Part VII. Additional Corrective Actions Required. Identify additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.	
Required Actions	**Implementation Date**

Appendix J: Project Specific Rain Event Action Plan Template

INSTRUCTIONS

- *QSD should modify the CASQA REAP template for use by the QSP*
- *The QSP will modify the project specific template for each phase/rain event*
- *File REAPs completed by the QSP in this Appendix*

Rain Event Action Plan (REAP)

Date of REAP		**WDID Number:**	
Date Rain Predicted to Occur:		**Predicted % chance of rain:**	

Predicted Rain Event Triggered Actions

Below is a list of suggested actions and items to review for this project. Each active Trade should check all material storage areas, stockpiles, waste management areas, vehicle and equipment storage and maintenance, areas of active soil disturbance, and areas of active work to ensure the proper implementation of BMPs. Project-wide BMPs should be checked and cross-referenced to the BMP progress map.

Trade or Activity	Suggested action(s) to perform / item(s) to review prior to rain event
❑ Information & Scheduling	❑ Inform trade supervisors of predicted rain ❑ Check scheduled activities and reschedule as needed ❑ Alert erosion/sediment control provider ❑ Alert sample collection contractor (if applicable) ❑ Schedule staff for extended rain inspections (including weekends & holidays) ❑ Check Erosion and Sediment Control (ESC) material stock ❑ Review BMP progress map ❑ Other:_____ ❑ _____ ❑ _____
❑ Material storage areas	❑ Material under cover or in sheds (ex: treated woods and metals) ❑ Perimeter control around stockpiles ❑ Other:_____ ❑ _____ ❑ _____
❑ Waste management areas	❑ Dumpsters closed ❑ Drain holes plugged ❑ Recycling bins covered ❑ Sanitary stations bermed and protected from tipping ❑ Other:_____ ❑ _____ ❑ _____
❑ Trade operations	❑ Exterior operations shut down for event (e.g., no concrete pours or paving) ❑ Soil treatments (e.g.,: fertilizer) ceased within 24 hours of event ❑ Materials and equipment (ex: tools) properly stored and covered ❑ Waste and debris disposed in covered dumpsters or removed from site ❑ Trenches and excavations protected ❑ Perimeter controls around disturbed areas ❑ Fueling and repair areas covered and bermed ❑ Other:_____ ❑ _____ ❑ _____
❑ Site ESC BMPs	❑ Adequate capacity in sediment basins and traps ❑ Site perimeter controls in place ❑ Catch basin and drop inlet protection in place and cleaned ❑ Temporary erosion controls deployed ❑ Temporary perimeter controls deployed around disturbed areas and stockpiles ❑ Roads swept; site ingress and egress points stabilized ❑ Other:_____ ❑ _____ ❑ _____
❑ Concrete rinse out area	❑ Adequate capacity for rain ❑ Wash-out bins covered ❑ Other:_____ ❑ _____ ❑ _____
❑ Spill and drips	❑ All incident spills and drips, including paint, stucco, fuel, and oil cleaned ❑ Drip pans emptied ❑ Other:_____ ❑ _____ ❑ _____

Continued on next page.

❑ Other / Discussion / Diagrams	❑ _____ ❑ _____ ❑ _____ ❑ _____ ❑ _____ ❑ _____ ❑ _____ ❑ _____ ❑ _____ ❑ _____ ❑ _____ ❑ _____ ❑ _____

Attach a printout of the weather forecast from the NOAA website to the REAP.

I certify under penalty of law that this Rain Event Action Plan (REAP) will be performed in accordance with the General Permit by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____Date: _____

Qualified SWPPP Practitioner (Use ink please)

Appendix K: Training Reporting Form

Trained Contractor Personnel Log

Stormwater Management Training Log and Documentation

Project Name: TTM 36713
WDID #: _____

Stormwater Management Topic: (check as appropriate)

☒ Erosion Control
☒ Sediment Control
☒ Wind Erosion Control
☒ Tracking Control
☒ Non-Stormwater Management
☒ Waste Management and Materials Pollution Control
☐ Stormwater Sampling

Specific Training Objective: Good House Keeping

Location: Our Office
Date: 4-26-2017

Instructor: Sam Akbarpour
Telephone: 951-279-4041

Course Length (hours): 1.5

Attendee Roster (Attach additional forms if necessary)

Name	Company	Phone
Hitesh Patel		760-963-3475

As needed, add proof of external training (e.g., course completion certificates, credentials for QSP, QSD).

Appendix L: Responsible Parties

Authorization of Approved Signatories

Project Name: TTM 36713_____

WDID #: _____

Name of Personnel	Project Role	Company	Signature	Date

_____ _____

LRP's Signature Date

_____ _____

LRP Name and Title Telephone Number

Identification of QSP

Project Name: TTM 36713_____

WDID #: _____

The following are QSPs associated with this project

Name of Personnel(1)	Company	Date
Sam Akbarpour	Sake Engineer Inc.	

(1) If additional QSPs are required on the job site add additional lines and include information here

OPTIONAL

Authorization of Data Submitters

Project Name: TTM 36713_____

WDID #: _____

Name of Personnel	Project Role	Company	Signature	Date

_____ _____

Approved Signatory's Signature Date

_____ _____

Approved Signatory Telephone Number

Name and Title

Appendix M:Contractors and Subcontractors

Appendix N: Construction General Permit

INSTRUCTIONS

- *Include a copy of the General Permit, or reference permanent location of General Permit that is kept on the construction site.*

Water Boards Storm Water Multiple Application & Report Tracking System

Notice Of Intents Search Results

Following are the results that matched with your search criteria. To refine or start a new search, click Back button on the browser.

Export to Excel

App ID	WDID	Application Type	Status	Status Date	Owner/Operator Name & Address	Site/Facility Name & Address	NOI Form	Attachments	Receipt Letter
503492		Region 8 MS4 CIPs	Active	11/15/2018	City of Riverside 3900 Main Street Riverside California 92522	Tequesquite Arroyo Trunk Sewer Replacement Phase IIB Brockton Ave, Magnolia Ave, Olivewood Ave, Victoria Ave, Sed Riverside California 92501	NOI Form	View Attachments	Receipt Letter
485872	8 33C379764	Construction	Active	05/09/2017	La Sierra VIctoria Development LLC 19215 wild mustang court apple valley California 92307	TTM 36713 Intersection of La Sierra Ave and Victoria Ave Riverside California 92503	NOI Form	View Attachments	Receipt Letter
485242	8 33C380737	Construction	Active	08/14/2017	Western Municipal Water District 14205 Meridian Pkwy Riverside California 92518	Victoria Recharge Basin Victoria Ave & Jackson St Riverside California 92506	NOI Form	View Attachments	Receipt Letter
480069	8 33C378036	Construction	Terminated	09/10/2018	ROBERT JONES	Jones Residence 11033 VICTORIA AVENUE Riverside California 92503		View Attachments	
471466	8 33W002565	Construction	Expired	04/13/2016	Dudek 605 Third Street Encinitas California 92024	Victoria Recharge Basin 9120 Victoria Avenue Riverside California 92508	NOI Form	View Attachments	Receipt Letter
454475		Region 8 MS4 CIPs	Terminated	05/25/2016	City of Riverside 3900 Main Street Riverside California 92522	Victoria Avenue Storm Drain Project Victoria Avenue and Myers Street Riverside California 92503	NOI Form	View Attachments	Receipt Letter
284475	8 33C333372	Construction	Terminated	05/22/2006	Riverside Victoria LLC 660 Newport Center Dr Ste 1050 Newport Beach California 92660	Tract Map No 32128 N Of Victoria Ave W Of Lyon Ave Riverside California	NOI Form	View Attachments	Receipt Letter
210522	8 33C329067	Construction	Terminated	08/21/2006	Edward Hendricksen 2615 Grace St	Hendricksen Residence 7576 Victoria	NOI Form	View Attachments	Receipt Letter

First Prev Next Last Current Page:1 Total Pages:1

App ID	WDID	Application Type	Status	Status Date	Owner/Operator Name & Address	Site/Facility Name & Address	NOI Form	Attachments	Receipt Letter
					Riverside California 92504	Ave Riverside California 92504			
209941	8 33C319513	Construction	Terminated	12/13/2006	Taylor Woodrow Homes - Irvine 16745 W Bernardo Dr Ste 140 San Diego California 92127	Victoria Heights 11355 Victoria Ave Riverside California 92503	NOI Form	View Attachments	Receipt Letter
209828	8 33C316901	Construction	Terminated	04/11/2006	Brehm Co 1935 Camino Vida Roble #200 Carlsbad California 92008	Tract 29386 Victoria Grove Tract 29386 Victoria Grove Riverside California	NOI Form	View Attachments	Receipt Letter

First Prev Next Last Current Page:1 Total Pages:1

© 2019 State of California. Conditions of Use Privacy Policy

Corbet, Lauren

From: Corbet, Lauren
Sent: Monday, December 2, 2019 10:07 AM
To: CypressFileRoom@dtsc.ca.gov
Subject: Public Records Request

Hello,

This firm is performing a Phase I Environmental Site Assessment for the property located at the following addresses:

Southeast Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503
APN: 136-220-016

We are requesting any information from your department pertaining to the above property.

Please feel free to contact Kevin Ballesteros with any questions or concerns at 310-854-6300 or kevin.ballesteros@efiglobal.com. Thank you for your assistance with this information.

Regards,

Lauren Corbet | Environmental Specialist
EFI Global, Inc.
Los Angeles, CA
DIRECT 310.854.6300 | FAX 310.854.0199
CELL: 323.326.6124 | EMAIL: lauren.corbet@efiglobal.com
CSLB License #: 885902
www.efiglobal.com | Caring counts®

Ballesteros, Kevin EFI

From: Corbet, Lauren
Sent: Thursday, December 5, 2019 9:23 AM
To: Ballesteros, Kevin EFI
Subject: FW: VICTORIA AVE/LA SIERRA AVE, RIVERSIDE (PR4-120219-2)

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Client Respond

045.02270

Regards,

Lauren Corbet | Environmental Specialist
EFI Global, Inc.
Los Angeles, CA
DIRECT 310.854.6300 | FAX 310.854.0199
CELL: 323.326.6124 | EMAIL: lauren.corbet@efiglobal.com
CSLB License #: 885902
www.efiglobal.com | Caring counts®

From: CypressFileRoom@DTSC <CypressFileRoom@dtsc.ca.gov>
Sent: Wednesday, December 4, 2019 1:32 PM
To: Corbet, Lauren <Lauren.Corbet@EFIGLOBAL.com>
Subject: VICTORIA AVE/LA SIERRA AVE, RIVERSIDE (PR4-120219-2)

Hi Lauren. According to our files we have no records for the attached email.

From: Corbet, Lauren <Lauren.Corbet@EFIGLOBAL.com>
Sent: Monday, December 2, 2019 10:07 AM
To: CypressFileRoom@DTSC <CypressFileRoom@dtsc.ca.gov>
Subject: Public Records Request

Hello,

This firm is performing a Phase I Environmental Site Assessment for the property located at the following addresses:

Southeast Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503
APN: 136-220-016

We are requesting any information from your department pertaining to the above property.

Please feel free to contact Kevin Ballesteros with any questions or concerns at 310-854-6300 or kevin.ballesteros@efiglobal.com. Thank you for your assistance with this information.

Regards,

Lauren Corbet | Environmental Specialist
EFI Global, Inc.
Los Angeles, CA
DIRECT 310.854.6300 | FAX 310.854.0199
CELL: 323.326.6124 | EMAIL: lauren.corbet@efiglobal.com
CSLB License #: 885902
www.efiglobal.com | Caring counts®



Any personal data acquired, processed or shared by us will be lawfully processed in line with applicable data protection legislation. If you have any questions regarding how we process personal data refer to our Privacy Notice https://www.sedgwick.com/global-privacy-policy. Any communication including this email and files/attachments transmitted with it are confidential and are intended solely for the use of the individual or entity to whom they are addressed. If this message has been sent to you in error, you must not copy, distribute or disclose of the information it contains and you must notify us immediately (contact is within the privacy policy) and delete the message from your system.

Department of Toxic Substances Control
Meredith Williams, Ph.D.
Acting Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Jared Blumenfeld
Secretary for
Environmental Protection

Gavin Newsom
Governor

Facility Search Results

Selection Criteria:

Facility:
Search on: Physical Address
Street: Victoria
Zip: 92503
Status: Active and Inactive
Sort Direction: asc
Sorted By: Address
Records Found: 4

EPA ID Number	Name	Address	City	Zip
CAC002745175	MOHAMAD ISHAQ	10091 VICTORIA AVE	RIVERSIDE	92503
CAC002356807	HUEY QUAN	10171 VICTORIA AVE	RIVERSIDE	925030000
CAC002859910	CPT KERRY STEVENS	10225 VICTORIA AVE	RIVERSIDE	925036145
CAC002614179	FABIO ROJAS	10348 VICTORIA AVE	RIVERSIDE	92503

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Report Generation Date: 12/02/2019

Department of Toxic Substances Control
Meredith Williams, Ph.D.
Acting Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Jared Blumenfeld
Secretary for
Environmental Protection

Gavin Newsom
Governor

Facility Search Results

Selection Criteria:

Facility:
Search on: Physical Address
Street: La Sierra
Zip: 92503
Status: Active and Inactive
Sort Direction: asc
Sorted By: Address
Records Found: 36

EPA ID Number	Name	Address	City	Zip
CAC000001073	1X SHELL OIL CO #2046-552-2603	11090 MAGNOLIA LA SIERRA	RIVERSIDE	925030000
CAL000275934	TAYLOR PACIFIC	11846 LA SIERRA AVE	RIVERSIDE	92503
CAC000778464	1X FRED WAUGH	17460 LA SIERRA	RIVERSIDE	925030000
CAL000129105	KUNZE INC	17480 LA SIERRA AVE	RIVERSIDE	925030000
CAD981425358	MWD LAKE MATHEWS RESERVOIR	18250 LA SIERRA AVE	RIVERSIDE	925030000
CAC002410583	JF SHEA	18256 LA SIERRA AVE	RIVERSIDE	925030000
CAC002530215	ERWIN LLC	2292 LA SIERRA AVE	RIVERSIDE	925030000
CAC002555639	ERWIN LLC	2292 LA SIERRA AVE	RIVERSIDE	925030000
CAC002584457	ERWIN FAMILY LLC	2292 LA SIERRA AVE	RIVERSIDE	925035916
CAL000320360	RALPHS GROCERY #98	3350 LA SIERRA AVE	RIVERSIDE	925035228
CAL000326924	LA SIERRA VERDE CLEANERS	3380 LA SIERRA AVE STE 103	RIVERSIDE	925035225
CAL000317489	LA SIERRA VERDE CLEANERS	3380 LA SIERRA AVE STE 103	RIVERSIDE	92503
CAL000312874	WEST COAST DENTAL OF RIVERSIDE	3380 LA SIERRA AVE STE 108,109,110	RIVERSIDE	925035228
CAL000441186	LA SIERRA VERDE CLEANERS	3380 LA SIERRA AVE UNIT #103	RIVERSIDE	92503
CAD983642315	CHEVRON 200734	3390 LA SIERRA AVE	RIVERSIDE	925035228
CAL000207076	AUTOZONE #5578	3400 LA SIERRA #G	RIVERSIDE	925030000
CAC002226449	LYON PROPERTIES	3400 LA SIERRA AVE	RIVERSIDE	925030000
CAL000098860	CHIEF AUTO PARTS #29816	3400 LA SIERRA SUITE G	RIVERSIDE	925030000
CAL000293026	LA SIERRA FAMILY DENTISTRY	3410 LA SIERRA AVE STE D	RIVERSIDE	92503
CAL000334512	STATER BROS MARKETS #115	3420 LA SIERRA AVE	RIVERSIDE	92503
CAL000125361	ALPHA CLEANERS	3430 LA SIERRA	RIVERSIDE	925030000
CAL000040779	ALPHA CLEANERS	3430 LA SIERRA	RIVERSIDE	925030000
CAL000441170	ALPHA CLEANERS	3430 LA SIERRA AVE #A	RIVERSIDE	925030000
CAL000256514	ALPHA CLEANERS	3430 LA SIERRA AVE STE A	RIVERSIDE	925030000
CAL000295545	ALPHA CLEANERS	3430 LA SIERRA AVE STE A	RIVERSIDE	925035226
CAL000373879	ALPHA CLEANERS	3430 LA SIERRA AVE STE A	RIVERSIDE	92503
CAL000124641	ALPHA CLEANERS	3430 LA SIERRA AVENUE	RIVERSIDE	925030000
CAD983610023	ALPHA CLEANERS	3430 LA SIERRA UNIT A	RIVERSIDE	925030000
CAL000033800	ALPHA CLEANERS	3430 LA SIERRA UNIT A	RIVERSIDE	925030000
CAR000231993	CVS PHARMACY # 9910	3440 LA SIERRA AVE	RIVERSIDE	925035204
CAL000356493	CVS PHARMACY # 9910	3440 LA SIERRA AVE	RIVERSIDE	92503
cal000238646	LONGS DRUG STORE #283	3440 LA SIERRA AVE	RIVERSIDE	925035204
CAL000412163	COSMOPROF BEAUTY	3480 LA SIERRA AVE # A	RIVERSIDE	925035204
CAD982484644	FOTOMAT CORPORATION #0C809	3860 LA SIERRA	RIVERSIDE	925030000
CAC002596977	STEVEN WALKER COMMUNITIES	5164(B&C),5170,5202 LA SIERRA AVE	RIVERSIDE	92503
CAC002329913	INLAND COMMUNTIES LLC	EL SOBRANTE & LA SIERRA	RIVERSIDE	925030000

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Report Generation Date: 12/02/2019

SOUTH COAST AQMD

PUBLIC RECORDS REQUEST FORM

Request Information

Date Stored

Time Stored

Public Record Request Nbr

Public Record Request Tracking Nbr
105421

Attention Requestor

Please fill out this form completely. You may include an attachment to the form, if necessary.

Requestor Information

Requestor Name
Kevin Ballesteros 045.02270

Requestor Address
5261 West Imperial Highway

Requestor Company
EFI Global

Requestor City
Los Angeles

Requestor Email *
KEVIN.BALLESTEROS@EFIGLOBAL.COM

Requestor State
California

Requestor Phone
(310)854-6300

Requestor Zip Code
90045

Type of Requested Record(s).

REQUESTED RECORDS. **Please be as specific as possible in describing the records you are seeking.** The more specific you are, the easier it will be to determine if such records exist in District files. Please contact the Public Records Unit if you need assistance in identifying District records.

Note: Permits to Operate, Equipment Lists, Notices of Violation, Notices to Comply, and Emissions Summaries are available through SCAQMD's FIND page at http://www3.aqmd.gov/webappl/fim/prog/search.aspx (you need to copy and paste this link into your browser).

Please Enter a description of the records you are requesting here: *
We are requesting any information from your departments pertaining to air emissions, including permits to operate, equipment lists and notices of violation.

Time Period of Documents Requested

Start Date *
01/01/1900

End Date *
12/2/2019

Requested Facility or Site Information (if applicable)

Note: You may only include one Facility or Site per Form.

Facility ID (if known)

Address
Southeast Corner of Victoria Ave. and La Sierra Ave.

Facility Name (if known)

City
Riverside

Zip Code
92503

Requested Application or Permit List. (if applicable)

Please click the Add Button to the right to enter a Application/Permit Number

Authorization Letter Attachment

Authorization Letter

Note: Please use the above button for attaching an Authorization Letter from the facility to release confidential information for your public records request.

Supplemental Attachments

Supplemental Documents

Note: Please use the above button for attaching additional documents that will help define your public records request.

INSTRUCTIONS FOR REQUESTING RECORDS

(California Public Records Act, Govt. Code Sections 6250-6276.48)

1. In order to expedite your request, please fill out the form completely. Requests may also be submitted by phone at (909) 396-3700, by facsimile to (909) 396-3330, or by email to PublicRecordsRequests@aqmd.gov.

2. Requests must be for records prepared, owned, used, or retained by the District (Gov. Code Sec. 6252(e)). Requests should be for clearly identifiable records. The District is not required to create a new record in response to a request. The District will assist the requestor in making a request that describes reasonably identifiable records (Gov. Code Sec. 6253.1). Documents will not be provided if disclosure would infringe upon a copyright, trade secret, or is otherwise exempt in accordance with state law.

3. A search for facility records can only be conducted by one or all of the following:

-- a) Facility Name, Address, or Identification Number

-- b) Facility Application Number, or Permit to Operate Number; or

-- c) Facility Notice of Violation/Notice to Comply Number.

4. You will be notified within ten (10) days whether your request seeks copies of disclosable public records prepared, owned, used, or retained by this agency. In some cases, the District may need an additional 14 days to respond. If so, you will be notified in writing. You will also be provided an estimated date of when the records will be made available.

5. Communications regarding your request, and any records, will be provided by email, unless specified otherwise.

6. If the search for records finds the records voluminous, you will be notified of the approximate number of pages and/or length of time it will take to process your request.

7. If the records you requested have been marked confidential by the source of the record, you will be notified and given the option of continuing with the District's Trade Secret process.

8. If your request is to review records, rather than receive copies, the District will notify you once the records are gathered, and arrangements will be made for your review.

9. The charge for the direct cost of duplication is as follows: Paper Copies, $0.15/page each over 10 pages (first 10 pages are free); Copied CD's or flash drives, no charge; and Copied Audio Tapes, $5.00 each. After a preliminary estimate, advance payment may be required.

10. If the request is for information in an electronic format, the requestor shall bear the cost of producing a copy of the record, including the cost to construct the record and the cost of programming and computer services necessary to produce a copy of the record, when either of the following applies: (1) the District would be required to produce a copy of an electronic record and the record is one that is produced only at otherwise regularly scheduled intervals, or (2) the request would require data compilation, extraction, or programming to produce the record. (Gov. Code Sec. 6253.9(b)). The transfer of gathered electronic records onto CD, DVD or flash drive typically costs $10.00 each. An invoice will accompany your records when completed.

Note: For further information, please refer to the District's Guidelines for Implementing the California Public Records Act. The Guidelines are available in the lobby of the District Headquarters or on the District's web site at www.aqmd.gov.

Note: If you have questions pertaining to the submittal of a Public Records Act request, you may contact the Public Records Unit, (909) 396-3700, Tuesday through Friday, 7:00 a.m. to 5:30 p.m. Our Fax number is (909) 396-3330. Our email address is PublicRecordsRequests@aqmd.gov.

Information Management
Public Records Unit

Direct Dial (909) 396-3700
Fax:(909) 396-3330

December 03, 2019

KEVIN BALLESTEROS
EFI GLOBAL
5261 W. IMPERIAL HWY.,
LOS ANGELES, CA 90045

Ref.: CONTROL NO: 1399540
P/O'S, EQL'S, & NOV'S FOR SE CORNER OF VICTORIA AVE & LA SIERRA AVE, RIVERSIDE, CA.

This is in regard to your public records request dated December 03, 2019. The District is unable to process your request as submitted because the record you have requested:
IS TOO VAGUE. PLEASE PROVIDE SPECIFIC INDIVIDUAL ADDRESSES, OR A COMPANY NAME, IDENTIFICATION NUMBER OR PERMIT NUMBER (ONE FACILITY PER REQUEST).
If you have any questions, please do not hesitate to contact me at (909) 396-2311.

Sincerely,

LORA TRAPP x2854
For COLLEEN PAINE
Public Records Coordinator

:lt

Facility INformation Detail (F.I.N.D.)

South Coast AQMD

Select Search Type	Name	Street	City	Zip			
Find a Facility		Victoria		92503	☐ RECLAIM	☐ TITLE V	SEARCH

SEARCH RESULTS

0 Results

Street: Victoria

Zip: 92503

Clear all Filters

There are no facilities that match your search criteria. If you think this result is incorrect, call the number below.

Powered by Esri

South Coast Air Quality Management District
21865 Copley Dr, Diamond Bar, CA 91765
909-396-2000

© 2018 South Coast Air Quality Management District

Facility ID	Facility Nai	Reclaim	Title V	Facility Address	Facility Status
9828	THE METROPOLITAN WATER DIST			18250 LA SIERRA AVE, F	ACTIVE
26236	METRO WATER DIST OF SO CAL			18250 LA SIERRA AVE, RIVERSIDE, CA 92503	
72296	ALPHA CLEANERS, P. CHANDRA, R.			3430 LA SIERRA AVE, RIVERSIDE, CA 92503	
87611	ALPHA CLEANERS			3430 LA SIERRA AVE, RIVERSIDE, CA 92503	
108651	ALPHA CLEANERS			3430 LA SIERRA AVE, RIVERSIDE, CA 92503	
133236	ALPHA CLEANERS/HEE JU KIM			3430 LA SIERRA AVE, RIVERSIDE, CA 92503	
144863	ALPHA CLEANERS, YOUNG HE PAR			3430 LA SIERRA AVE, RIVERSIDE, CA 92503	
149672	CKE RESTAURANTS, INC. # 182			3370 LA SIERRA AVE, RI	ACTIVE
150082	LA SIERRA VERDE CLEANERS			3380 LA SIERRA AVE, RIVERSIDE, CA 92503	
152512	FRESENIUS MEDICAL CARE NORTH			3470 LA SIERRA AVE, RI	ACTIVE
154933	RALPHS GROCERY COMPANY #098			3350 LA SIERRA AVE, RI	ACTIVE
163028	STATER BROS MARKETS #115			3420 S LA SIERRA, RIVEI	ACTIVE
167591	LA SIERRA VERDE CLEANERS			3380 LA SIERRA AVE, RIVERSIDE, CA 92503	
167988	ALPHA CLEANERS			3430 LA SIERRA AVE, RIVERSIDE, CA 92503	
170946	CVS PHARMACY #09910-01			3440 LA SIERRA AVE, RI	ACTIVE
181184	LA SIERRA 76 GAS & MART			3280 LA SIERRA AVE, RI	ACTIVE
184731	LA SIERRA VERDE CLEANERS			3380 LA SIERRA AVE, RI	ACTIVE
184737	ALPHA CLEANERS			3430 LA SIERRA AVE, RI	ACTIVE

County of Riverside

DEPARTMENT OF ENVIRONMENTAL HEALTH

www.rivcoeh.org

Environmental Protection & Oversight Division
Hazardous Materials Management Branch

REQUEST FOR RECORDS

Requests for review of records are processed on a first come, first serve basis and the processing time is approximately 2-4 weeks. As required by California Public Records Act Section 6250 et seq., a response will be given within ten (10) business days to confirm receipt of your request.

Pursuant to California Government Code, Section 6254 (f), records of pending investigations and informant's names, addresses, and telephone numbers, will not be released.

For access to electronic records available online, visit the Public Information section at www.rivcoeh.org for more details.

REQUESTOR INFORMATION		
NAME: Kevin Ballesteros	DATE OF REQUEST: 12/2/2019	
BUSINESS NAME (IF ANY): EFI Global		
RETURN LEGAL MAILING ADDRESS: 5261 West Imperial Hwy		
CITY: Los Angeles	STATE: CA	ZIP: 90045
PHONE: 310-854-6300	EMAIL: kevin.ballesteros@efiglobal.com	

The following information is required. **List each street address separately.**

	SITE STREET ADDRESS (NO APNs)	CITY
1.	Southeast Corner of Victoria Ave. and La Sierra Ave.	Riverside
2.		
3.		
4.		
5.		
6.		
7.		

Requests must be made in writing and submitted by mail, email, or in person to the following office:

4065 County Circle Drive, Room 104, Riverside, CA 92503
Phone: (951) 358-5055
Email: DEHRecordsMgmt@rivco.org
Mailing Address: P.O. Box 7909, Riverside, CA 92513-7909

For our office locations call us at (888) 722-4234 or visit our website at www.rivcoeh.org

County of Riverside

DEPARTMENT OF ENVIRONMENTAL HEALTH

STEVE VAN STOCKUM, DIRECTOR

Incomplete Records Request Notice

December 4, 2019

Request No: 46631

Request Date: 12/02/2019

EFI Global
5261 West Imperial Hwy
Los Angeles, CA 90045
Attn: Kevin Ballesteros

Re: **SOUTHEAST CORNER OF VICTORIA AVE. & LA SIERRA AVE., RIVERSIDE**

We have received your request for records however a search of our records cannot be conducted based on the information provided.

Please reference a specific site address(s) of inquiry and resubmit the records request.

The Hazardous Materials Management Division is unable to provide information about sites based on APN's or similar geographic site data.

Please direct questions or correspondence to:

Department of Environmental Health
Hazardous Materials Management Division
4065 County Circle Dr., Rm. 104
P.O. Box 7909
Riverside, CA 92513-7909
Attention: Records Management
Telephone: 951-358-5055
Fax: 951-358-5017

You may also visit our website at www.rivcoeh.org

Note: Records for disclosure information of the cities of Corona 951-736-2220, and Riverside 951-826-5737 will need to be directed to the City Fire Department.

RECEIVED
DEC 09 2019
BY: .....

2275 S. Main Street, Ste. 204
Corona, CA 92882
(951) 273-9143
(951) 520-8319 Fax

800 S. Sanderson Avenue, Ste. 102
Hemet, CA 92545
(951) 766-6524
(951) 791-1778 Fax

47950 Arabia Street, Ste. A
Indio, CA 92201
(760) 863-8976
(760) 863-8303 Fax

4065 County Circle Dr., Ste. 104
Riverside, CA 92503
(951)358-5055
(951) 358-5342 Fax

3880 Lemon Street, Ste. 200
Riverside, CA 92501
(951) 955-8980
(951) 955-8988 Fax

Menu

Home (SupportHome.aspx) Find Information (FindAnswers.aspx)

Submit Request (RequestSelect.aspx) My Records Portal (CustomerHome.aspx)

California Public Records Request

Description: Public records are defined as any writing containing information relating to the conduct of the public's business prepared, owned, used, or retained by any state or local agency regardless of physical form or characteristics.

Contact E-Mail: lauren.corbet@efiglobal.com

Public Records Request Details

Department:* City Clerk

Describe the Record(s) Requested:*

This firm is performing a Phase I Environmental Site Assessment for the property located at the following addresses:

Southeast Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503
APN: 136-220-016

We are requesting any information from your departments pertaining to building permit records including demolitions, construction, tenant improvements, major sewer installations/removals, and

Date Range From: 01/01/1900

If Applicable

Date Range To: 12/02/2019

If Applicable

Preferred Method to Receive Records:*

- ( ) Post to Riverside Records Portal
- ( ) Copies by Mail
- ( ) Pick-up Copies
- ( ) Inspect Onsite
- (•) Email Copies

Please note, the maximum total file size for attachment is 50MB.

Attach a File: Attach

Submit Cancel

Powered by GovQA

Reference No: W003960-120219

Contact E-Mail: lauren.corbet@efiglobal.com

Dear Lauren :

Thank you for your interest in public records of the City of Riverside. Your request was received by the Public Records Advocate on 12/2/2019 and given the reference number W003960-120219 for tracking purposes.

Record(s) Requested: This firm is performing a Phase I Environmental Site Assessment for the property located at the following addresses: Southeast Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503 APN: 136-220-016 We are requesting any information from your departments pertaining to building permit records including demolitions, construction, tenant improvements, major sewer installations/removals, and certificates of occupancy on the property.

The request is being forwarded to appropriate department(s) for processing.

You can monitor the request progress by selecting "My Records Portal" above. The Public Records Advocate will email you when the request is complete. Thank you for using the Riverside Records Portal.

Diana Alegria
City Clerk's Office
3900 Main Street
Riverside, CA 92522
(951) 826-5557
DAlegria@riversideca.gov

Powered by GovQA

Corbet, Lauren

From: Riverside Records Portal <riversideca@mycusthelp.net>
Sent: Monday, December 2, 2019 9:26 AM
To: Corbet, Lauren
Subject: Riverside Public Records Request :: W003960-120219

Dear Lauren :

Thank you for your interest in public records of the City of Riverside. Your request was received by the Public Records Advocate on 12/2/2019 and given the reference number W003960-120219 for tracking purposes.

Record(s) Requested: This firm is performing a Phase I Environmental Site Assessment for the property located at the following addresses: Southeast Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503 APN: 136-220-016 We are requesting any information from your departments pertaining to building permit records including demolitions, construction, tenant improvements, major sewer installations/removals, and certificates of occupancy on the property.

The request is being forwarded to appropriate department(s) for processing.

Monitor request progress at the link below. The Public Records Advocate will email you when the request is complete. Thank you for using the Riverside Records Portal.

Diana Alegria
City Clerk's Office
3900 Main Street
Riverside, CA 92522
(951) 826-5557
DAlegria@riversideca.gov

To monitor the progress or update this request please log into the Riverside Records Portal.

Menu

Home (SupportHome.aspx) Find Information (FindAnswers.aspx)

Submit Request (RequestSelect.aspx) My Records Portal (CustomerHome.aspx)

California Public Records Request

Description: Public records are defined as any writing containing information relating to the conduct of the public's business prepared, owned, used, or retained by any state or local agency regardless of physical form or characteristics.

Contact E-Mail: lauren.corbet@efiglobal.com

Public Records Request Details

Department:* Public Works

Describe the Record(s) Requested:*

This firm is performing a Phase I Environmental Site Assessment for the property located at the following addresses:

Southeast Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503
APN: 136-220-016

We are requesting any information from your departments pertaining to industrial wastewater discharge, clarifiers, storm water, or industrial waste water, including permits to operate and notices

Date Range From: 01/01/1900

If Applicable

Date Range To: 12/02/2019

If Applicable

Preferred Method to Receive Records:*

- ( ) Post to Riverside Records Portal
- ( ) Copies by Mail
- ( ) Pick-up Copies
- ( ) Inspect Onsite
- (•) Email Copies

Please note, the maximum total file size for attachment is 50MB.

Attach a File: Attach

Submit Cancel

Powered by GovQA

Reference No: W003958-120219

Contact E-Mail: lauren.corbet@efiglobal.com

Dear Lauren :

Thank you for your interest in public records of the City of Riverside. Your request was received by the Public Records Advocate on 12/2/2019 and given the reference number W003958-120219 for tracking purposes.

Record(s) Requested: This firm is performing a Phase I Environmental Site Assessment for the property located at the following addresses: Southeast Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503 APN: 136-220-016 We are requesting any information from your departments pertaining to industrial wastewater discharge, clarifiers, storm water, or industrial waste water, including permits to operate and notices of violation on the property.

The request is being forwarded to appropriate department(s) for processing.

You can monitor the request progress by selecting "My Records Portal" above. The Public Records Advocate will email you when the request is complete. Thank you for using the Riverside Records Portal.

Diana Alegria
City Clerk's Office
3900 Main Street
Riverside, CA 92522
(951) 826-5557
DAlegria@riversideca.gov

Powered by GovQA

Corbet, Lauren

From: Riverside Records Portal <riversideca@mycusthelp.net>
Sent: Monday, December 2, 2019 9:14 AM
To: Corbet, Lauren
Subject: Riverside Public Records Request :: W003958-120219

Dear Lauren :

Thank you for your interest in public records of the City of Riverside. Your request was received by the Public Records Advocate on 12/2/2019 and given the reference number W003958-120219 for tracking purposes.

Record(s) Requested: This firm is performing a Phase I Environmental Site Assessment for the property located at the following addresses: Southeast Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503 APN: 136-220-016 We are requesting any information from your departments pertaining to industrial wastewater discharge, clarifiers, storm water, or industrial waste water, including permits to operate and notices of violation on the property.

The request is being forwarded to appropriate department(s) for processing.

Monitor request progress at the link below. The Public Records Advocate will email you when the request is complete. Thank you for using the Riverside Records Portal.

Diana Alegria
City Clerk's Office
3900 Main Street
Riverside, CA 92522
(951) 826-5557
DAlegria@riversideca.gov

To monitor the progress or update this request please log into the Riverside Records Portal.

Menu

Home (SupportHome.aspx) Find Information (FindAnswers.aspx)

Submit Request (RequestSelect.aspx) My Records Portal (CustomerHome.aspx)

California Public Records Request

Description: Public records are defined as any writing containing information relating to the conduct of the public's business prepared, owned, used, or retained by any state or local agency regardless of physical form or characteristics.

Contact E-Mail: lauren.corbet@efiglobal.com

Public Records Request Details

Department:* Fire

Describe the Record(s) Requested:*

This firm is performing a Phase I Environmental Site Assessment for the property located at the following addresses:
Southeast Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503
APN: 136-220-016
We are requesting any information from your departments pertaining to any reports of the storage, release or spillage of hazardous materials (HAZMAT), or substances or petroleum products, and any underground storage tanks (USTs) and aboveground storage tanks (ASTs) on the property.

Date Range From: 01/01/1900
If Applicable

Date Range To: 12/02/2019
If Applicable

Preferred Method to Receive Records:*

- ( ) Post to Riverside Records Portal
- ( ) Copies by Mail
- ( ) Pick-up Copies
- ( ) Inspect Onsite
- (•) Email Copies

Please note, the maximum total file size for attachment is 50MB.

Attach a File: Attach

Submit Cancel

Powered by GovQA

Reference No: W003959-120219

Contact E-Mail: lauren.corbet@efiglobal.com

Dear Lauren :

Thank you for your interest in public records of the City of Riverside. Your request was received by the Public Records Advocate on 12/2/2019 and given the reference number W003959-120219 for tracking purposes.

Record(s) Requested: This firm is performing a Phase I Environmental Site Assessment for the property located at the following addresses: Southeast Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503 APN: 136-220-016 We are requesting any information from your departments pertaining to any reports of the storage, release or spillage of hazardous materials (HAZMAT), or substances or petroleum products, and any underground storage tanks (USTs) and aboveground storage tanks (ASTs) on the property.

The request is being forwarded to appropriate department(s) for processing.

You can monitor the request progress by selecting "My Records Portal" above. The Public Records Advocate will email you when the request is complete. Thank you for using the Riverside Records Portal.

Diana Alegria
City Clerk's Office
3900 Main Street
Riverside, CA 92522
(951) 826-5557
DAlegria@riversideca.gov

Powered by GovQA

Corbet, Lauren

From: Riverside Records Portal <riversideca@mycusthelp.net>
Sent: Monday, December 2, 2019 9:19 AM
To: Corbet, Lauren
Subject: Riverside Public Records Request :: W003959-120219

Dear Lauren :

Thank you for your interest in public records of the City of Riverside. Your request was received by the Public Records Advocate on 12/2/2019 and given the reference number W003959-120219 for tracking purposes.

Record(s) Requested: This firm is performing a Phase I Environmental Site Assessment for the property located at the following addresses: Southeast Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503 APN: 136-220-016 We are requesting any information from your departments pertaining to any reports of the storage, release or spillage of hazardous materials (HAZMAT), or substances or petroleum products, and any underground storage tanks (USTs) and aboveground storage tanks (ASTs) on the property.

The request is being forwarded to appropriate department(s) for processing.

Monitor request progress at the link below. The Public Records Advocate will email you when the request is complete. Thank you for using the Riverside Records Portal.

Diana Alegria
City Clerk's Office
3900 Main Street
Riverside, CA 92522
(951) 826-5557
DAlegria@riversideca.gov

To monitor the progress or update this request please log into the Riverside Records Portal.

Ballesteros, Kevin EFI

From: Corbet, Lauren
Sent: Friday, December 6, 2019 8:28 AM
To: Ballesteros, Kevin EFI
Subject: FW: California Public Records Request :: W003958-120219

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Client Respond

045.02270

Regards,

Lauren Corbet | Environmental Specialist
EFI Global, Inc.
Los Angeles, CA
DIRECT 310.854.6300 | FAX 310.854.0199
CELL: 323.326.6124 | EMAIL: lauren.corbet@efiglobal.com
CSLB License #: 885902
www.efiglobal.com | Caring counts®

From: Riverside Records Portal <riversideca@mycusthelp.net>
Sent: Friday, December 6, 2019 8:27 AM
To: Corbet, Lauren <Lauren.Corbet@EFIGLOBAL.com>
Subject: California Public Records Request :: W003958-120219

--- Please respond above this line ---

RE: PUBLIC RECORDS REQUEST of December 02, 2019, Reference # W003958-120219

Dear Lauren ,

The Public Records Advocate received the below records request on December 02, 2019.

This firm is performing a Phase I Environmental Site Assessment for the property located at the following addresses:

Southeast Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503
APN: 136-220-016

We are requesting any information from your departments pertaining to industrial wastewater discharge, clarifiers, storm water, or industrial waste water, including permits to operate and notices of violation on the property.

The City has determined there are no responsive documents to your request.

If you have any questions, or wish to discuss this further, you may contact me.

Sincerely,

Diana Alegria
City Clerk's Office
(951) 826-5557
DAlegria@riversideca.gov

To monitor the progress or update this request please log into the Riverside Records Portal.

This is an auto-generated email and has originated from an unmonitored email account. Please DO NOT REPLY.

Ballesteros, Kevin EFI

From: Corbet, Lauren
Sent: Monday, December 2, 2019 3:37 PM
To: Ballesteros, Kevin EFI
Subject: FW: California Public Records Request :: W003959-120219

Follow Up Flag: Follow up
Flag Status: Flagged

045.02270

Hey Kevin,

There's no address associated with this APN, can you let me know what I should reply to the below message? Thanks.

Regards,

Lauren Corbet | Environmental Specialist
EFI Global, Inc.
Los Angeles, CA
DIRECT 310.854.6300 | FAX 310.854.0199
CELL: 323.326.6124 | EMAIL: lauren.corbet@efiglobal.com
CSLB License #: 885902
www.efiglobal.com | Caring counts®

From: Riverside Records Portal <riversideca@mycusthelp.net>
Sent: Monday, December 2, 2019 3:36 PM
To: Corbet, Lauren <Lauren.Corbet@EFIGLOBAL.com>
Subject: California Public Records Request :: W003959-120219

--- Please respond above this line ---

RE: PUBLIC RECORDS REQUEST of December 02, 2019, Reference # W003959-120219

Dear Lauren ,

The Public Records Advocate received the below records request from you on December 02, 2019.

This firm is performing a Phase I Environmental Site Assessment for the property located at the following addresses:
Southeast Corner of Victoria Ave. and La Sierra Ave., Riverside, CA 92503
APN: 136-220-016
We are requesting any information from your departments pertaining to any reports of the storage, release or spillage of hazardous materials (HAZMAT), or substances or petroleum products, and any underground storage tanks (USTs) and aboveground storage tanks (ASTs) on the property.

Please provide the following clarification: address

If you wish the City to proceed with the request, please provide the requested information by 12/16/2019. Otherwise, the City will consider your request withdrawn.

You may provide a response to the City by any of the following methods:
1. by email to the Public Records Advocate, Diana Alegria, at DAlegria@Riversideca.gov
2. by regular mail to Diana Alegria, Public Records Advocate, 3900 Main Street, Riverside, CA 92522; or
3. in person at the Office of the City Clerk, City Hall, 3900 Main Street, Riverside, CA 92522.

Upon receipt of your clarification, the City will further respond to your request as required by law, including providing you with an estimate of costs, if any, associated with producing the requested records.

If you have any questions, please contact me. Thank you for your attention.

Sincerely,

Diana Alegria
City Clerk's Office
(951) 826-5557
DAlegria@riversideca.gov

To monitor the progress or update this request please log into the Riverside Records Portal.

This is an auto-generated email and has originated from an unmonitored email account. Please DO NOT REPLY.

CITY OF RIVERSIDE

ROUGH GRADING PLANS

FOR

TRACT NO. 37764

GENERAL NOTES:

1. ALL GRADING SHALL CONFORM TO THE RIVERSIDE MUNICIPAL CODE, TITLE 17 AND OF THE CURRENT CITY-ADOPTED EDITION OF THE CALIFORNIA BUILDING CODE.

2. ALL PROVISIONS OF THE PRELIMINARY SOILS REPORT PREPARED BY **SOILS EXPLORATION COMPANY INC.** ,DATED **JANUARY 24, 2014** SHALL BE COMPLIED WITH DURING GRADING OPERATIONS. CITY BUSINESS TAX CERTIF. NO. **0123928**. EXP. DATE **4-30-18**.

3. THIS PLAN IS FOR GRADING PURPOSES ONLY AND IS NOT TO BE USED FOR THE PURPOSE OF CONSTRUCTING ON-SITE OR OFF-SITE IMPROVEMENTS. ISSUANCE OF A PERMIT BASED ON THIS PLAN DOES NOT CONSTITUTE APPROVAL OF DRIVEWAY LOCATIONS STRUCTURAL SECTIONS OR LAYOUT, ADA-RELATED REQUIREMENTS, BUILDING LOCATIONS OR OR SIZES, PARKING LOT FOUNDATIONS, WALLS, CURBING, OFF-SITE DRAINAGE FACILITIES OR OTHER ITEMS NOT RELATED DIRECTLY TO THE BASIC GRADING OPERATION ON-SITE IMPROVEMENTS SHALL BE CONSTRUCTED FROM APPROVED BUILDING PERMIT PLANS. OFF-SITE IMPROVEMENTS SHALL BE CONSTRUCTED FROM PLANS APPROVED FOR THIS PURPOSE BY THE PUBLIC WORKS DEPARTMENT.

4. CERTIFICATION FROM THE REGISTERED CIVIL ENGINEER STATING THAT THE GRADING HAS BEEN COMPLETED PER THE APPROVED PLAN, AND A COMPACTION REPORT FROM THE SOIL ENGINEER FOR FILL AREAS ARE REQUIRED PRIOR TO BUILDING PERMITS BEING ISSUED.

5. CONTRACTOR IS RESPONSIBLE FOR EROSION, DUST AND TEMPORARY DRAINAGE CONTROL DURING GRADING OPERATIONS.

A.)ALL MANUFACTURED SLOPES IN EXCESS OF 5 FEET IN VERTICAL HEIGHT ARE TO BE PROTECTED FROM EROSION DURING ROUGH GRADING OPERATIONS AND, THEREAFTER, UNTIL INSTALLATION OF FINAL GROUNDCOVER (SEE LANDSCAPE PLANS FOR FINAL GROUNDCOVER)

B.)ALL SLOPE PROTECTION SWALES TO BE CONSTRUCTED AT THE SAME TIME AS BANKS ARE GRADED.

C.)THE DEVELOPER AND HIS CONTRACTOR ARE RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF THE EROSION CONTROL MEASURES SHOWN ON THIS PLAN AND SWPPP AND ALSO TO PROVIDE ANY ADDITIONAL EROSION CONTROL MEASURES (E.G., HYDROSEEDING, MULCHING OF STRAW, SAND BAGGING, DIVERSION DITCHES, RETENTION BASINS, ETC.) DICTATED BY FIELD CONDITIONS TO PREVENT EROSION AND OR THE INTRODUCTION OF DIRT, MUD OR DEBRIS INTO EXISTING PUBLIC STREETS AND/OR ONTO ADJACENT PROPERTIES DURING ANY PHASE OF CONSTRUCTION OPERATIONS. SPECIAL ATTENTION SHALL BE GIVEN TO ADDITIONAL EROSION CONTROL MEASURES NOTED ABOVE DURING DURING THE PERIOD OCTOBER 1 TO MAY 31.

D.)AFTER A RAINSTORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM CHECK BERMS AND CHECK DAMS. SILT AND DEBRIS SHALL BE REMOVED FROM CITY OF RIVERSIDE STREETS THIS REQUIREMENT SHALL REMAIN IN EFFECT UNTIL CITY ACCEPTANCE OF THE SUBDIVISION THAT DRAINS ONTO CITY STREETS.

6. ANY ON-SITE RETAINING WALLS SHOWN ON THIS PLAN THAT ARE UNDER 3 FEET IN HEIGHT AND SUPPORT A SURCHARGE OR THAT ARE OVER 3 FEET IN HEIGHT REQUIRE SEPARATE REVIEW, APPROVAL AND A BUILDING PERMIT FROM THE BUILDING AND SAFETY DIVISION, COMMUNITY DEVELOPMENT DEPARTMENT. ANY NECESSARY RETAINING WALLS ON THE PERIMETER OF THIS SITE SHALL BE IN PLACE AND APPROVED BY THE BUILDING INSPECTOR PRIOR TO ISSUANCE OF THE GRADING PERMIT. APPROVED SEQUENCED GRADING WITH 11/2:1 MAXIMUM SLOPES TO WITHIN 2 FEET OF THE ADJACENT PROPERTY LINE MAY BE ACCEPTABLE TO ALLOW FOR ISSUANCE OF A GRADING PERMIT PRIOR TO COMPLETION OF ANY NECESSARY PERIMETER RETAINING WALLS. (IF NO RETAINING WALLS ARE SHOWN ON THE PLAN, DO NOT PUT THIS NOTE ON PLAN.

7. ANY IMPROVEMENTS CONSTRUCTED IN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE A SEPARATE CONSTRUCTION PERMIT AND INSPECTION FROM THE PUBLIC WORKS DEPARTMENT.

8. ANY WALLS, FENCES, STRUCTURES AND/OR APPURTENANCES ADJACENT TO THIS PROJECT ARE TO BE PROTECTED IN PLACE. IF GRADING OPERATIONS DAMAGE OR ADVERSELY AFFECT SAID ITEMS IN ANY WAY, THE ONTRACTOR AND/OR DEVELOPER IS RESPONSIBLE FOR WORKING OUT AN ACCEPTABLE SOLUTION TO THE SATISFACTION OF THE AFFECTED PROPERTY OWNER(S).

9. THE CONTRACTOR/DEVELOPER IS RESPONSIBLE FOR ENSURING THAT RETAINING WALLS DO NOT INTERFERE WITH PROVISION OF UTILITIES.

10. IT IS THE GRADING CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ADEQUATE COMPACTION HAS BEEN ATTAINED ON THE ENTIRE GRADING SITE, INCLUDING FILL AREAS OUTSIDE THE BUILDING PAD AND ON ALL FILL SLOPES.

11. IT IS THE SOIL ENGINEER'S RESPONSIBILITY TO OBSERVE AND PERFORM COMPACTION TESTS DURING THE GRADING TO EVALUATE THE PREPARATION OF THE NATURAL GROUND SURFACE TO RECEIVE THE FILL AND THE COMPACTION ATTAINED IN THE FILL, INCLUDING FILL AREAS OUTSIDE THE BUILDING PADS AND TON ALL FILL SLOPES.

12. EARTHWORK QUANTITIES ARE SHOWN FOR GRADING PERMIT PURPOSES ONLY, AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.

13. FOR GRADING OF AREAS OF 1 ACRE OR MORE, A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE KEPT ON-SITE AND MADE AVAILABLE UPON REQUEST OF A REPRESENTATIVE OF THE REGIONAL WATER QUALITY CONTROL BOARD (RWQCB) - SANTA ANA REGION AND/OR THE CITY OF RIVERSIDE.

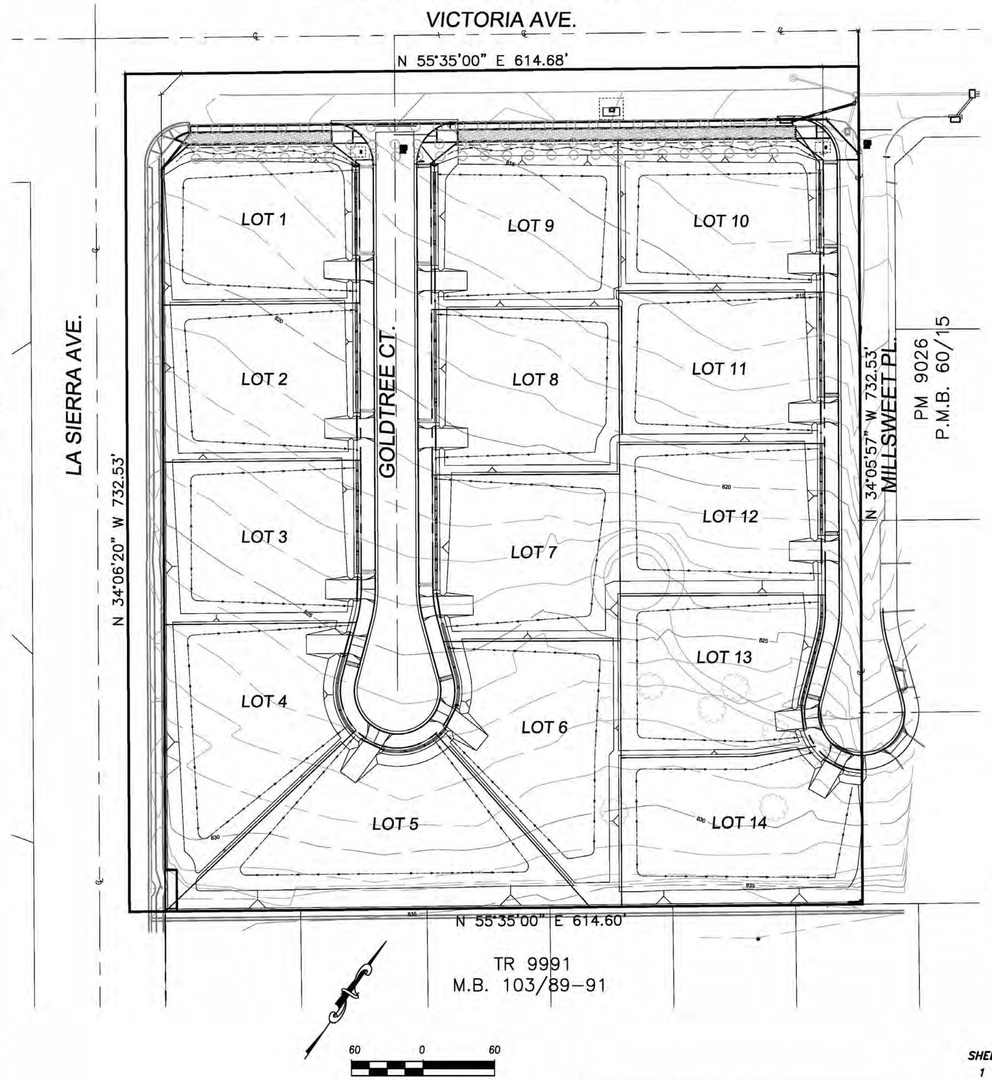
14. GRADING OPERATIONS SHALL BE LIMITED TO BETWEEN THE HOURS OF 7 A.M. AND 7 P.M. ON WEEKDAYS AND BETWEEN 8 A.M. AND 5 P.M. ON SATURDAYS. NO GRADING WILL BE PERMITTED ON SUNDAY OR FEDERAL HOLIDAYS. (RIVERSIDE MUNICIPAL CODE, 7.35.010, ORDINANCE NO 6273)

ENGINEER'S NOTICE TO CONTRACTORS

1. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR, SO THAT ANY NECESSARY ADJUSTMENT CAN BE MADE IN ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
2. CARE SHOULD BE TAKEN TO PREVENT GRADED DITCHES AND SWALES FROM UNDERMINING STREET IMPROVEMENTS. UPON INSPECTION OF THE SITES, THE CITY ENGINEER MAY REQUIRE TEMPORARY UNITE SWALES, ENTERING OR
3. ALL AREAS SHALL SLOPE A MINIMUM OF 1.0% TO STREETS, DRIVE OR SWALES UNLESS OTHERWISE NOTED.
4. QUANTITIES SHOWN HERE ARE FOR PLAN CHECKING PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE TO PERFORM HIS OWN QUANTITIES TAKEOFF.
5. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS; DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THE REQUIREMENTS SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE CITY OF RIVERSIDE AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CITY OF RIVERSIDE OR THE ENGINEER.

NOTE:

- ANY EARTHMOVING THAT EXCEEDS THE RELATIVE DEPTH OF FIVE FEET BELOW THE CURRENT SURFACE BE MONITORED FOR PALEONTOLOGICAL SPECIMENS. THE PALEONTOLOGICAL MONITORING PROGRAM SHOULD BE IN CONCURRENCE WITH COUNTY GUIDELINES AND THE WESTERN CENTER, HEMET. PRIOR TO ANY IMPLEMENTATION, A PRIMP (PALEONTOLOGICAL RESOURCE IMPACT MITIGATION PLAN) SHOULD BE PREPARED AND APPROVED.



INDEX MAP

OWNER AND DEVELOPER:

LA SIERRA VICTORIA DEVELOPMENT LLC
HITESH PATEL
19215 WILD MUSTANG CT.
APPLE VALLEY, CA 92307
(760) 963-3475 PH.

ENGINEERS:

SAKE ENGINEERS, INC.
400 S. RAMONA AVE. STE 202
CORONA, CA 92879
(951) 279-4041 PH.

SOILS ENGINEERS:

SOIL EXPLORATION COMPANY INC
7535 JURUPA AVE. UNIT C
RIVERSIDE, CA 92504
(951) 688-7200 PH.
(951) 688-7100 FAX

ESTIMATED GRADING QUANTITIES:

CUT: 12,500 C.Y.
FILL: 12,500 C.Y.

TOTAL AREA: 9.91 ACRES
DISTRUBED AREA: 8.81 ACRES

NOTE:

EARTH QUANTITIES SHOWN HERE ARE FOR RAW ESTIMATING PLAN CHECK FEES ONLY. GRADING CONTRACTOR IS RESPONSIBLE TO PERFORM THEIR OWN CALCULATIONS FOR EARTH VOLUME WITH THE SOIL'S ENGINEER'S RECOMMENDATION.

NOTICE TO CONTRACTORS

CONTRACTOR SHALL POTHOLE AT THE TIE-IN STATIONS AND AT ANY OTHER POINTS OF POTENTIAL CONFLICTS WITH UNDERGROUND FACILITIES BEFORE STARTING CONSTRUCTION. EXISTING SUBSURFACE UTILITY DATA ON DRAWINGS WERE COMPILED FROM INFORMATION FURNISHED BY VARIOUS SOURCES. NEITHER THE ACCURACY NOR THE COMPLETENESS OF THE INFORMATION SHOWN IS GUARANTEED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF EXISTING WATER MAINS, GAS MAINS, SANITARY SEWERS, STORM DRAINS, ELECTRIC CONDUITS, TELEPHONE LINES AND ANY OTHER UTILITIES WHICH MAY CONFLICT WITH THE DESIGN AND CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. RIM ELEVATIONS SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. THE RING AND COVER SHALL BE ADJUSTED IN THE FIELD TO MATCH THE FINISHED SURFACE OF THE PAVEMENT TO FORM A SMOOTH DRIVING SURFACE. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL COSTS FOR THE REPAIR OF ANY AND ALL DAMAGE TO THE CONTRACT WORK OR TO ANY UTILITY (WHETHER PREVIOUSLY KNOWN OR DISCLOSED DURING THE WORK) AS MAY BE CAUSED BY HIS OPERATIONS. UTILITIES NOT SHOWN ON THE DRAWING TO BE RELOCATED OR ALTERED BY OTHERS SHALL BE MAINTAINED BY THE CONTRACTOR. AT THE COMPLETION OF THE CONTRACT WORK, THE CONTRACTOR SHALL LEAVE ALL UTILITIES AND APPURTENANCES IN A CONDITION SATISFACTORY TO THE OWNERS AND THE CITY.

ASSESSOR'S PARCEL NUMBER:

136-220-016

LEGAL DESCRIPTION:

OF LOT 1 IN BLOCK 12 OF THE RESUBDIVISION OF LANDSW OF J.F.MOULTON AND H.B. PRAED, AS SHOWN BY MAP ON FILE IN BOOK 1 PAGES 49 AND 50 OF MAPS, RECORDS OF RIVERSIDE COUNTY.

BASIS OF BEARINGS:

THE CENTERLINE OF VICTORIA AVENUE BEING NORTH 55°35'00" EAST AS SHOWN ON M.B. 153/15-17.

BASIS OF ELEVATION:

CITY OF RIVERSIDE BM# D3-A2; P.K. NAIL AND TAG AT NORTHERLY CORNER OF A CONCRETE SLAB AT THE SOUTHERLY CORNER OF LA SIERRA AVE. AND THE WESTERLY INTERSECTION OF DUFFERIN AVE.
ELEVATION: 882.135 (1988 ELEVATION)

EMERGENCY PHONE NUMBERS

COUNTY OF RIVERSIDE FIRE DEPARTMENT	(951) 782-5321
COUNTY OF RIVERSIDE SHERIFF	(951) 787-7912
COUNTY OF RIVERSIDE TRAFFIC DIVISION	(951) 782-5366
COUNTY OF RIVERSIDE TRAFFIC SIGNALS	(951) 782-5376
STREET SUPERINTENDENT	(951) 782-6127
RIVERSIDE SCHOOLS	(951) 788-7132
GOOD AMBULANCE	(951) 684-5520
PACIFIC BELL TELEPHONE	(800) 303-3000
SOUTHERN CALIFORNIA EDISON COMPANY	(951) 351-2450
SOUTHERN CALIFORNIA GAS COMPANY	(800) 227-2600
UNDERGROUND SERVICE ALERT	(800) 422-4133

UTILITIES

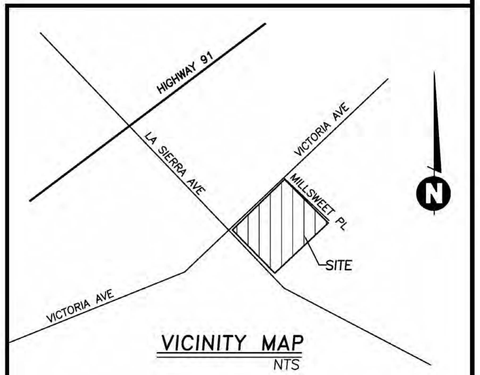
ELECTRIC	SO. CAL. EDISON CO.
GAS	SO. CAL. GAS CO.
WATER	CITY OF RIVERSIDE
SEWER	CITY OF RIVERSIDE
TELEPHONE	PACIFIC TELEPHONE

REFERENCE DRAWINGS:

SEWER DWG.	S - 1398
	S - 2157
STREET DWG.	R - 4421

INDEX

SHEET No.	SHEET TITLE
1	COVER SHEET
2	TYPICAL SECTIONS AND DETAILS
3	ROUGH GRADING PLAN
4	EROSION CONTROL PLAN
5	BEST MANAGEMENT PRACTICE



VICINITY MAP
NTS

THOMAS BROTHERS MAP PAGE/GRID:

PAGE 744, GRID G-3, 2004 EDITION

LEGEND

FLOW LINE	G.B.	=	GRADE BREAK	TRW	= TOP OF WALL
PROPERTY LINE	H.P.	=	HIGH POINT	R	= RADIUS
CENTER LINE	E.P.	=	EDGE OF PAVEMENT	T	= TOP OF FOOTING
EXISTING WATER LINE	D.L.	=	DAYLIGHT	(600)	= EXIST. ELEVATION
EXISTING SANITARY SEWER LINE	G.S.	=	GROUND SHOT	600	= PROPOSED ELEVATION
EXISTING SLOPE	W.V.	=	WATER VALVE	FAG	= FINISHED GRADE
PROPOSED SLOPE	W	=	WATER MAIN	FFS	= FINISHED SURFACE
EXISTING CONTOUR	W.M.	=	WATER METER	CAJON	= CONTROL JOINT
PROPOSED CONTOUR	FL	=	FLOW LINE	TOE	= TOE OF SLOPE
PROPOSED BLOCK WALL	F.G.	=	FINISHED GRADE	TOP	= TOP OF SLOPE
	IBM	=	BENCH MARK	TOP/D.L.	= TOP OF SLOPE/DAYLIGHT
	LSD	=	LANDSCAPING	OTC	= TOP OF CURB
	T.G.	=	TOP OF GRATE	FF	= FINISHED FLOOR
	INV.	=	INVERT ELEVATION		
	A.C.	=	ASPHALT CONCRETE		

DIG ALERT
TOLL FREE
1-800-227-2600
48 HOURS BEFORE YOU DIG

CITY OF RIVERSIDE BUSINESS TAX ACCOUNT #74172 EXP. 7/31/19

CITY OF RIVERSIDE, CALIFORNIA
PLANNING DIVISION
APPROVED BY
DATE

SAKE ENGINEERS, INC.
www.sakeengineers.com
ENGINEERING ● SURVEYING ● LAND DEVELOPMENT
400 S. RAMONA AVE., STE. 202
CORONA, CALIFORNIA 92879
(951) 279-4041 FAX: (951) 279-2830

REGISTERED PROFESSIONAL ENGINEER
SAM AKBARPOUR
C053038
CIVIL
STATE OF CALIFORNIA

R.C.E. No. DATE

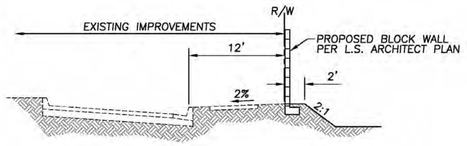
WDID #8 33C379764 PW17-0496

MARK	REVISIONS	APPROVED	DATE

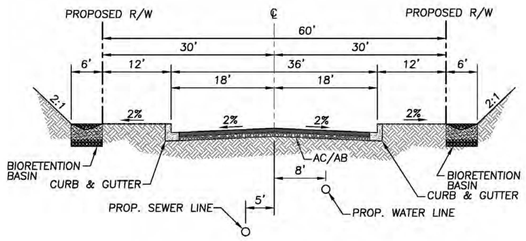
ROUGH GRADING PLAN
TRACT 37764

SCALE: 1"=60'	DRAWN: RL	CITY OF RIVERSIDE	
DATE: 7-9-2019	DESIGNED: RL	DEPARTMENT OF PUBLIC WORKS	
JOB NO.: JN 3053	CHECKED: SA	W	
CAME PG. XX-X M.P. X	520-769200-470701	SHEET 1 of 5	

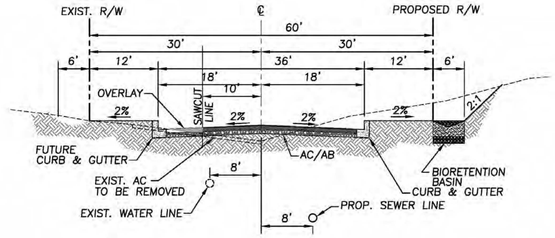
\\SERVER\projects\C\ RIVERSIDE_\3053 Hitesh\C3d\RGP.dwg, 7/9/2019 9:52:46 AM, 1:60



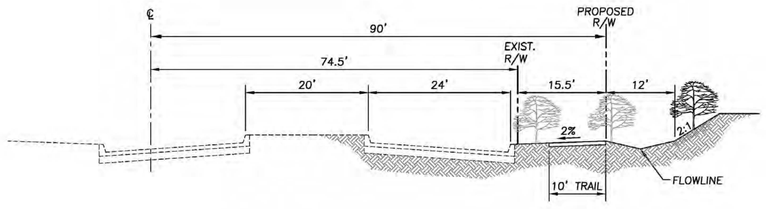
TYPICAL SECTION: LA SIERRA AVENUE
N.T.S.



TYPICAL SECTION:GOLDTREE CT.
N.T.S.

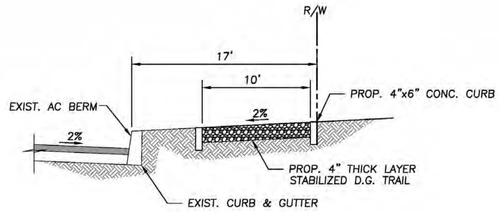


TYPICAL SECTION: MILLSWEET LANE
N.T.S.



TYPICAL SECTION: VICTORIA AVENUE
N.T.S.

NOTE
PROTECT IN PLACE TWO ROWS OF EXISTING MATURE ORANGE TREES AND A THIRD ROW OF SHADE TREES TO BE ADDED ACROSS THE FRONTAGE OF VICTORIA AVENUE IN ACCORDANCE WITH THE VICTORIA AVENUE ADHOC COMMITTEE DESIGN AND DEVELOPMENT STANDARDS AND THE GENERAL PLAN 2025.

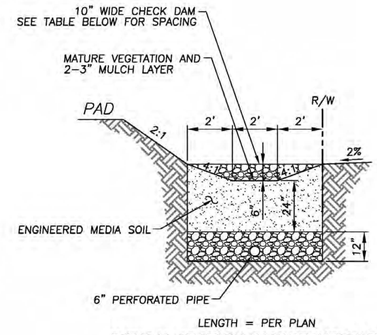


TYPICAL SECTION: MULTIPURPOSE TRAIL
N.T.S.

CONSTRUCT TRAIL PER CITY STANDARD TRAIL DETAILS AND TRAIL GRADING AND CONSTRUCTION SPECIFICATIONS (SECTION 02211).
(SEE STREET IMPROVEMENT PLANS)

NOTE
PROTECT IN PLACE TWO ROWS OF EXISTING MATURE ORANGE TREES AND A THIRD ROW OF SHADE TREES TO BE ADDED ACROSS THE FRONTAGE OF VICTORIA AVENUE IN ACCORDANCE WITH THE VICTORIA AVENUE ADHOC COMMITTEE DESIGN AND DEVELOPMENT STANDARDS AND THE GENERAL 2025 TRAILS MASTER PLAN.

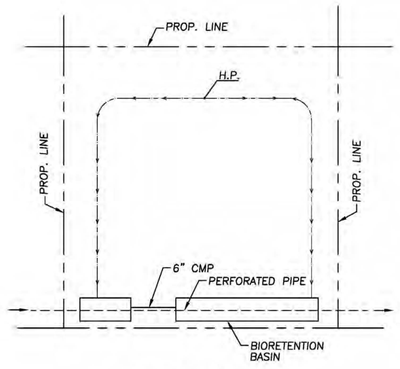
COMPACTED STABILIZED DECOMPOSED GRANITE IS TO BE USED FOR THE TRAIL ACCORDING TO TRAIL GRADING AND CONSTRUCTION SPECIFICATIONS SECTION 02211 AND TRAIL DETAIL 1.



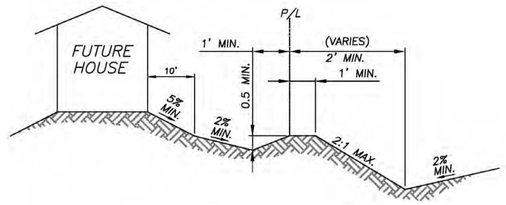
SLOPE	SPACING
1%	25 FEET
2%	15 FEET
3+%	10 FEET

CHECK DAM SPACING

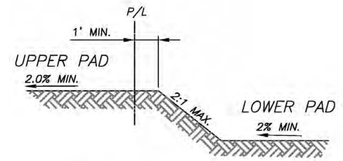
TYPICAL SECTION: BIORETENTION BASIN
N.T.S.



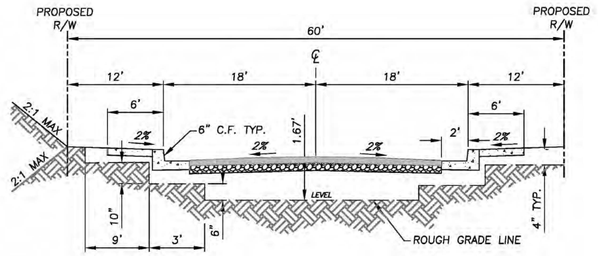
TYPICAL PAD DETAIL
N.T.S.



TYPICAL LOT DRAINAGE SECTION "A"
N.T.S.



TYPICAL LOT DRAINAGE SECTION "B"
N.T.S.



TYPICAL SECTION STREET ROUGH GRADING
N.T.S.

DIG ALERT
TOLL FREE
1-800-227-2600
48 HOURS BEFORE YOU DIG

BENCHMARK:
CITY OF RIVERSIDE BM# D3-A2; P.K. NAIL AND TAG AT NORTHERLY CORNER OF A CONCRETE SLAB AT THE SOUTHERLY CORNER OF LA SIERRA AVE. AND THE WESTERLY INTERSECTION OF DUFFERIN AVE.

ELEVATION: 882.135' (1988 ELEVATION)

CITY OF RIVERSIDE, CALIFORNIA
PLANNING DIVISION
APPROVED BY
DATE

CITY OF RIVERSIDE BUSINESS TAX ACCOUNT #74172 EXP. 7/31/18

SAKE ENGINEERS, INC.
www.sakeengineers.com
ENGINEERING ● SURVEYING ● LAND DEVELOPMENT
400 S. RAMONA AVE., STE. 202
CORONA, CALIFORNIA 92879
(951) 279-4041 FAX: (951) 279-2830

REGISTERED PROFESSIONAL ENGINEER
SAM AKBARPOUR
C053038
CIVIL
STATE OF CALIFORNIA

R.C.E. No. DATE

MARK	REVISIONS	APPROVED	DATE

WDID #8 33C379764

PW17-0496

SECTIONS AND DETAILS
TRACT 37764

SCALE: 1"=40'	DRAWN: RL	CITY OF RIVERSIDE	
DATE: 7-9-2019	DESIGNED: RL	DEPARTMENT OF PUBLIC WORKS	
JOB NO.: JN3053	CHECKED: SA	W	
CAME PG. XX-X M.P. X	520-769200-470701	SHEET 2 of 5	

I:\SERVER\projects\C1 RIVERSIDE\JN3053 Hillesh\Civil\RGP.dwg, 7/9/2019 9:53:33 AM, 1:40

PM 9026
P.M.B. 60/15

MILLSWEET PL. N 34°05'57" W 732.53'

VICTORIA AVE. N 55°35'00" E 614.68'

N 55°35'00" E 614.60' TR 9991 M.B. 103/89-91

LA SIERRA AVE. N 34°06'20" W 732.53'

GOLDTREE CT. S34°06'10"E

LOT 10 0.50 AC. NET 816.50 P.E.

LOT 11 0.50 AC. NET 819.50 P.E.

LOT 12 0.50 AC. NET 822.80 P.E.

LOT 13 0.50 AC. NET 828.00 P.E.

LOT 14 0.58 AC. NET 830.00 P.E.

LOT 9 0.50 AC. NET 818.50 P.E.

LOT 8 0.50 AC. NET 819.80 P.E.

LOT 7 0.50 AC. NET 822.80 P.E.

LOT 6 0.56 AC. NET 826.00 P.E.

LOT 5 0.71 AC. NET 827.00 P.E.

LOT 1 0.50 AC. NET 818.80 P.E.

LOT 2 0.50 AC. NET 819.80 P.E.

LOT 3 0.52 AC. NET 822.50 P.E.

LOT 4 0.59 AC. NET 826.00 P.E.

BIORETENTION BASIN

DIRT SWALE

PROP. ROW

EXIST. ROW

EXIST. CONC. DITCH

EXIST. SIDEWALK

EXIST. CURB & GUTTER

BLOCKWALL PER LANDSCAPE PLANS

EXIST. PARKWAY DRAIN

D.G. TRAIL PER STREET IMPROVEMENT PLAN

CONNECT DISCHARGE PIPE TO C.B. @ 809.92 INV.

18" RCP PER DWG. NO. R-4421

12" PIPE

2.50' ELEC. ESMT.

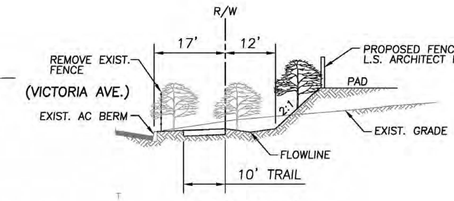
BEG. OF BLOCK WALL STA. 0+00.00 44.45' TW 18.35' FG

30.00' TW 24.00' FG

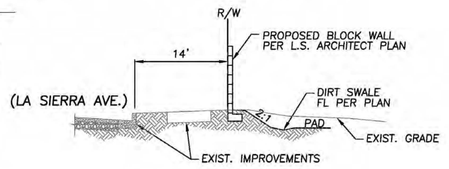
33.50' TW 27.50' FG

END OF BLOCK WALL STA. 6+42.50 44.45' TW 34.30' FG

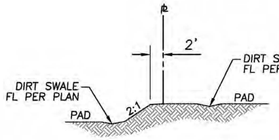
NOTE
PROTECT IN PLACE TWO ROWS OF EXISTING MATURE ORANGE TREES AND A THIRD ROW OF SHADE TREES TO BE ADDED ACROSS THE FRONTAGE OF VICTORIA AVENUE IN ACCORDANCE WITH THE VICTORIA AVENUE ADHOC COMMITTEE DESIGN AND DEVELOPMENT STANDARDS AND THE GENERAL PLAN 2025.



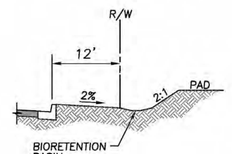
SECTION "A–A"
NTS



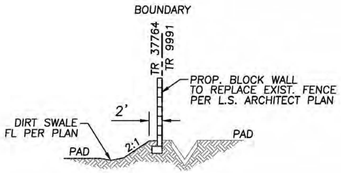
SECTION "B–B"
NTS



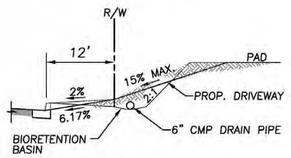
SECTION "C–C"
NTS



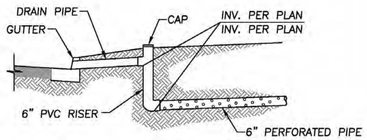
SECTION "D–D"
NTS



SECTION "E–E"
NTS



TYP. DRIVEWAY
NTS



(TYP. DISCHARGE CONFIGURATION OF BIORETENTION BASINS ALONG STREET "A")

(7) DISCHARGE DETAIL
NTS

CONSTRUCTION NOTES

(1)	REMOVE EXISTING TREES	1	L.S.
(2)	REMOVE EXIST AC PAVEMENT	7,000	S.F.
(3)	CONST. 2' WIDE ENERGY DISSIPATER	14	EA.
(4)	CONST. 6" CMP PIPE	14	EA.
(5)	CONST. 6" PERFORATED PIPE	128	L.F.
(6)	CONST. BIO RETENTION BASIN	14	EA.
(7)	CONST. DISCHARGE POINT PER DETAIL HEREON	128	L.F.
(8)	CONST. BLOCK WALL PER SEPARATE PERMIT	128	L.F.
(9)	CONST. 3" PVC CURB DRAIN PER APWA STD. 150-3	30	L.F.

QUANTITIES:

40 0 40 80 120 160

SCALE: 1"=40'

WDID #8 33C379764

PW17-0496

DIG ALERT TOLL FREE 1-800-227-2600 48 HOURS BEFORE YOU DIG

BENCHMARK:
CITY OF RIVERSIDE BM# E2P2; CHISEL SQUARE IN TOP CORB AT THE SE CORNER OF INDIANA AVE. & FILLMORE ST.

ELEV = 738.41'

CITY OF RIVERSIDE, CALIFORNIA
PLANNING DIVISION
APPROVED BY
DATE

CITY OF RIVERSIDE BUSINESS TAX ACCOUNT #74172 EXP. 7/31/18

SAKE ENGINEERS, INC.
www.sakeengineers.com
ENGINEERING • SURVEYING • LAND DEVELOPMENT
400 S. RAMONA AVE., STE. 202
CORONA, CALIFORNIA 92879
(951) 279-4041 FAX: (951) 279-2830

REGISTERED PROFESSIONAL ENGINEER SAM AKBARPOUR C053038 CIVIL STATE OF CALIFORNIA

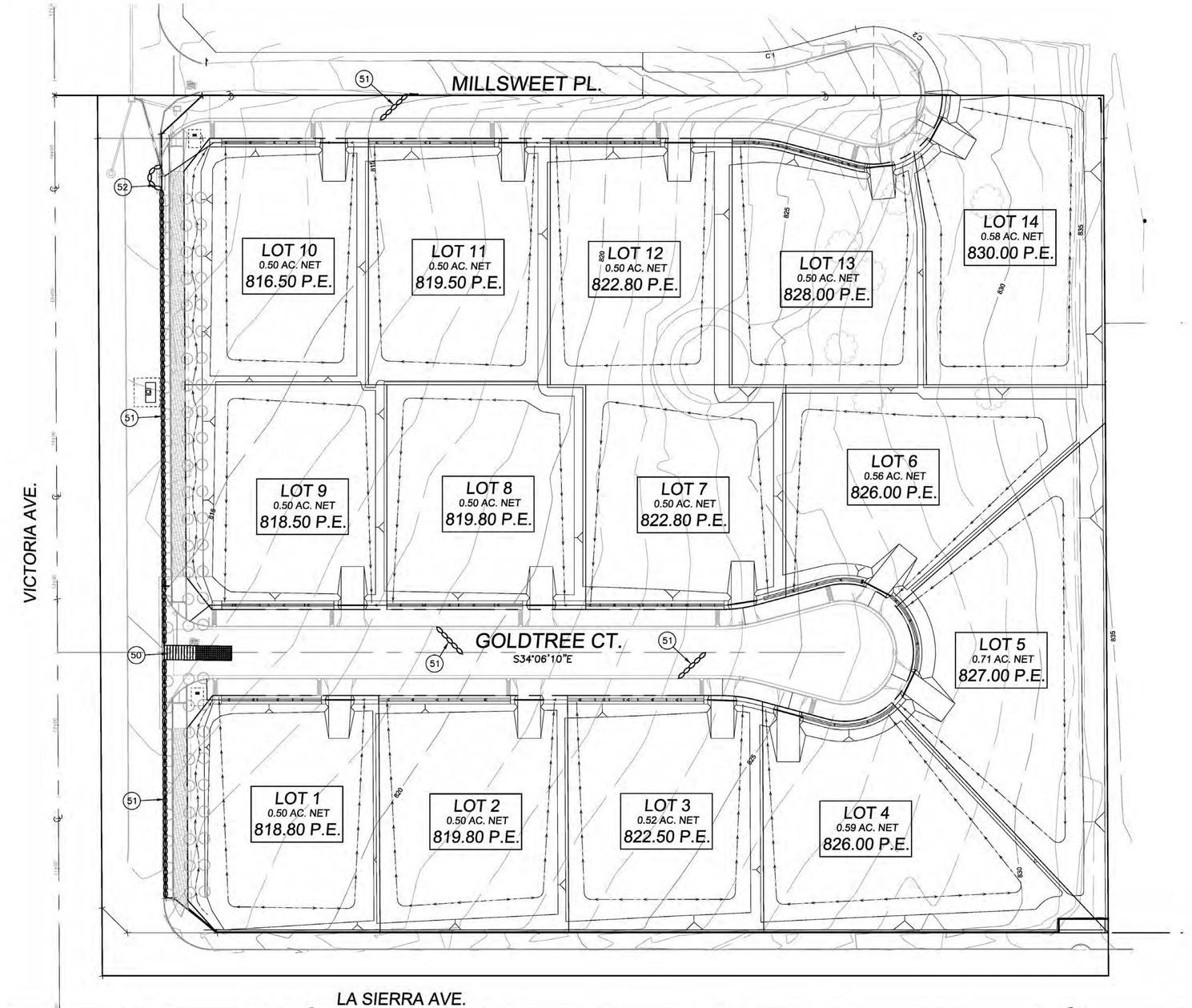
R.C.E. No. DATE

MARK	REVISIONS	APPROVED	DATE

ROUGH GRADING PLAN
TRACT 37764

SCALE: 1"=40'	DRAWN: RL	CITY OF RIVERSIDE	
DATE: 7-9-2019	DESIGNED: RL	DEPARTMENT OF PUBLIC WORKS	
JOB NO.: JN3053	CHECKED: SA	W	
CAME PG. XX-X M.P. X	520-769200-470701	SHEET 3 of 5	

\\SERVER\projects\CI RIV\7390\CAD\JN3053 Hillsth\Civil\RGP.dwg 7/9/2019 9:54:10 AM 1:40



EROSION CONTROL NOTES

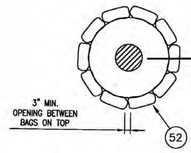
1. IN CASE OF EMERGENCY, CALL: HITESH PATEL
   WORK: (760) 963-3475
   EMAIL: _____
2. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
3. DEVICES SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE ENGINEERING DEPARTMENT.
4. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.
5. AFTER A RAINSTORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM CHECK BERMS AND DESILTING BASINS, AND THE BASINS PUMPED DRY.
6. GRADED AREAS AROUND THE TRACT PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
7. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.
8. GRAVEL BAG LAYOUT SHALL BE INSTALLED AS SHOWN PER PLAN OR AS DIRECTED BY THE CITY INSPECTOR.

SITE PREPARATION:

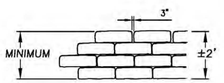
1 THE EMBANKMENT FOUNDATION AREA SHALL BE CLEARED OF ALL TREES, ROOTS, BRUSH, BOULDERS, SOD, AND DEBRIS.

2 ALL TOPSOIL CONTAINING EXCESSIVE AMOUNTS OF ORGANIC MATTER SHALL BE REMOVED.

3 ALL STORM DRAIN INLETS SHALL BE CAPPED AND/OR CATCH BASINS SHALL BE PROTECTED W/FILTER FABRIC HELD DOWN BY SANDBAGS AROUND BASINS.

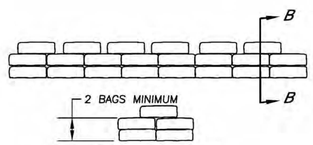


DETAIL "A"
N.T.S.



SECTION "A-A"
N.T.S.

GRAVELBAG DRAIN PROTECTION (52)
N.T.S.



SECTION "B-B"
N.T.S.

GRAVELBAG INSTALLATION (51)
N.T.S.

CONSTRUCTION NOTES:

(50) — CONST. STABILIZED ENTRANCE PER DETAIL ON SHT. 5
(51) — INSTALL GRAVEL BAGS PER DETAIL HEREON
(52) — INSTALL GRAVELBAG DRAIN PROTECTION PER DETAIL HEREON

N

40 0 40 80 120 160

SCALE: 1"=40'

DIG ALERT
TOLL FREE
1-800-227-2600
48 HOURS BEFORE YOU DIG

BENCHMARK:

CITY OF RIVERSIDE BM# E2P2; CHISEL SQUARE IN TOP CORB AT THE SE CORNER OF INDIANA AVE. & FILLMORE ST.

ELEV = 738.41'

CITY OF RIVERSIDE, CALIFORNIA
PLANNING DIVISION
APPROVED BY

DATE

CITY OF RIVERSIDE BUSINESS TAX ACCOUNT #74172 EXP. 7/30/18

SAKE ENGINEERS, INC.
www.sakeengineers.com
ENGINEERING ● SURVEYING ● LAND DEVELOPMENT
400 S. RAMONA AVE., STE. 202
CORONA, CALIFORNIA 92879
(951) 279-4041 FAX: (951) 279-2830

REGISTERED PROFESSIONAL ENGINEER
SAM AKBARPOUR
C053038
CIVIL
STATE OF CALIFORNIA

R.C.E. No. DATE

MARK	REVISIONS	APPROVED	DATE

WDID #8 33C379764

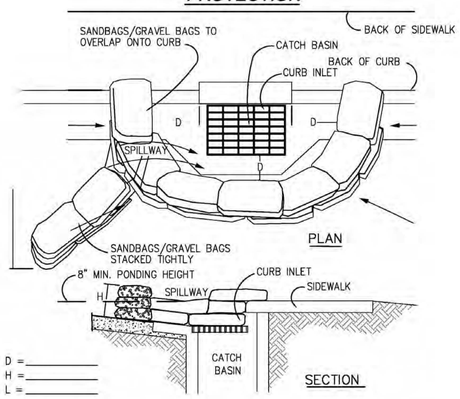
PW17-0496

EROSION CONTROL PLAN
TRACT 37764

SCALE: 1"=40'	DRAWN: RL	CITY OF RIVERSIDE	
DATE: 7-9-2019	DESIGNED: RL	DEPARTMENT OF PUBLIC WORKS	
JOB NO.: JN3053	CHECKED: SA		
CAME PG. XX-X M.P. X	520-769200-470701	W	SHEET 4 of 5

\\SERVER\projects\CI RIVERSIDE\JN3053 Hilsen\Civil\ROP.dwg, 7/9/2019 9:55:01 AM, 1:40

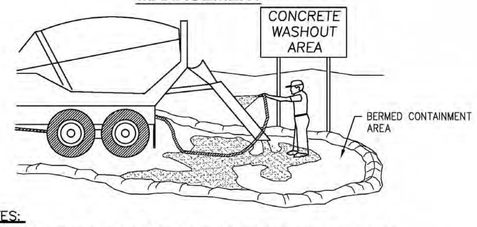
A
CATCH BASIN/INLET PROTECTION



NOTES:

1. CATCH BASIN/INLET PROTECTION SHALL BE INSTALLED WHEREVER THERE IS A POTENTIAL OF STORMWATER OR NON-STORMWATER BEING DISCHARGED INTO IT.
2. INLET PROTECTION IS REQUIRED ALONG WITH OTHER POLLUTION PREVENTION MEASURES SUCH AS; EROSION CONTROL, SOIL STABILIZATION, AND MEASURES TO PREVENT TRACKING ONTO PAVED SURFACES.
3. MODIFY INLET PROTECTION AS NEEDED TO AVOID CREATING TRAFFIC HAZARDS.
4. INCLUDE INLET PROTECTION MEASURES AT HILLSIDE V-DITCHES AND MISC. DRAINAGE SWALES.
5. INLET PROTECTION SHALL BE INSPECTED AND ACCUMULATED SEDIMENTS REMOVED. SEDIMENT SHALL BE DISPOSED OF PROPERLY AND IN A MANNER THAT ASSURES THAT THE SEDIMENT DOES NOT ENTER THE STORM DRAIN SYSTEM
6. DAMAGED BAGS SHALL BE REPLACED IMMEDIATELY.
7. ADDITIONAL SANDBAG SEDIMENT TRAPS SHALL BE PLACED AT INTERVALS AS INDICATED ON SITE PLAN.

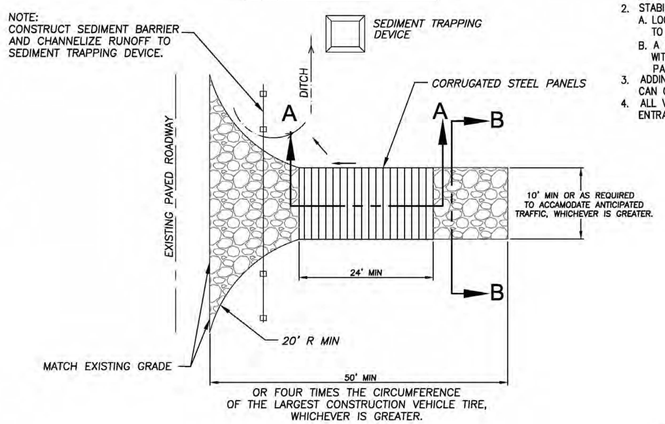
B
CONCRETE WASTE MANAGEMENT



NOTES:

1. EXCESS AND WASTE CONCRETE SHALL NOT BE WASHED INTO THE STREET OR INTO A DRAINAGE SYSTEM.
2. FOR WASHOUT OF CONCRETE AND MORTAR PRODUCTS, A DESIGNATED CONTAINMENT FACILITY OF SUFFICIENT CAPACITY TO RETAIN LIQUID AND SOLID WASTE SHALL BE PROVIDED ON SITE.
3. SLURRY FROM CONCRETE AND ASPHALT SAW CUTTING SHALL BE VACUUMED OR CONTAINED, DRIED, PICKED UP AND DISPOSED OF PROPERLY.

C
STABILIZED CONSTRUCTION ENTRANCE / EXIT TC1

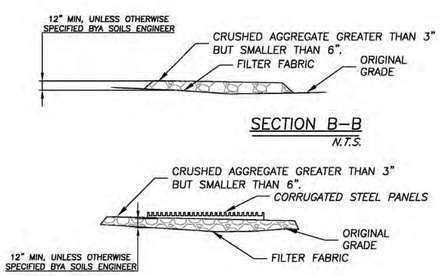


STREET MAINTENANCE

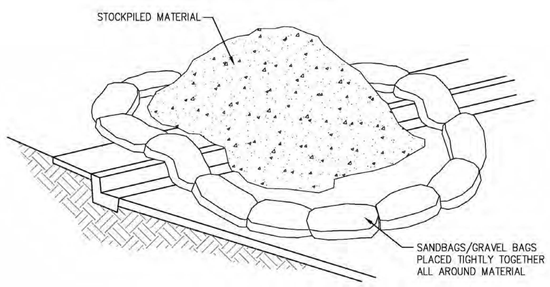
1. REMOVE ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS IMMEDIATELY.
2. SWEEP PAVED AREAS THAT RECEIVE CONSTRUCTION TRAFFIC WHENEVER SEDIMENT BECOMES VISIBLE.
3. PAVEMENT WASHING WITH WATER IS PROHIBITED IF IT RESULTS IN A DISCHARGE TO THE STORM DRAIN SYSTEM.

NOTES:

1. SEDIMENTS AND OTHER MATERIALS SHALL NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS SHALL BE STABILIZED SO AS TO PREVENT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC ROADS. DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS INTO THE STORM DRAIN SYSTEM.
2. STABILIZED CONSTRUCTION ENTRANCE SHALL BE:
   A. LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT OF WAY, STREET, ALLEY, AND SIDEWALK OR PARKING AREA.
   B. A SERIES OF STEEL PLATES WITH "RUMBLE STRIPS", AND/OR MIN 4" COARSE AGGREGATE WITH LENGTH, WIDTH & THICKNESS AS NEEDED TO ADEQUATELY PREVENT ANY TRACKING ONTO PAVED SURFACES.
3. ADDING A WASH RACK WITH A SEDIMENT TRAP LARGE ENOUGH TO COLLECT ALL WASH WATER CAN GREATLY IMPROVE EFFICIENCY.
4. ALL VEHICLES ACCESSING THE CONSTRUCTION SITE SHALL UTILIZE THE STABILIZED CONSTRUCTION ENTRANCE SITES.



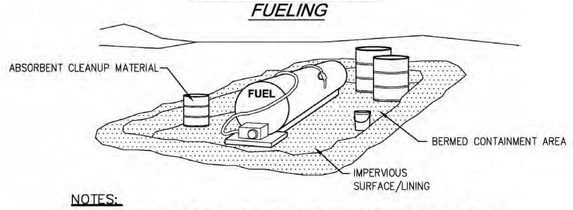
D
MATERIAL STORAGE



NOTES:

1. DIRT AND OTHER CONSTRUCTION RELATED MATERIALS PLACED IN THE STREET OR ON OTHER IMPERVIOUS SURFACES MUST BE CONTAINED WITH SANDBAGS OR OTHER MEASURES TO PREVENT TRANSPORT TO THE STORMDRAIN SYSTEM.
2. ANY CONSTRUCTION MATERIAL STORED OR STOCKPILED ON-SITE SHALL BE PROTECTED FROM BEING TRANSPORTED BY THE FORCE OF WIND OR WATER.

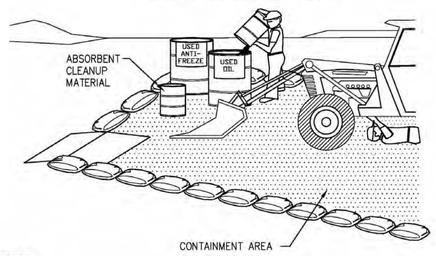
E
VEHICLE/EQUIPMENT FUELING



NOTES:

1. FUELING SHALL BE PERFORMED IN A DESIGNATED AREA, AWAY FROM DRAINAGE COURSES.
2. ABSORBENT CLEANUP MATERIAL SHALL BE ON SITE AND USED IMMEDIATELY IN THE EVENT OF A SPILL.

F
EQUIPMENT REPAIR/MAINTENANCE



NOTES:

1. LEAKING VEHICLES AND EQUIPMENT SHALL NOT BE ALLOWED ON-SITE. EQUIPMENT AND VEHICLES SHALL BE INSPECTED FREQUENTLY FOR LEAKS AND SHALL BE REPAIRED IMMEDIATELY. CLEAN UP SPILLS AND LEAKS PROMPTLY WITH ABSORBENT MATERIALS; DO NOT FLUSH WITH WATER.
2. VEHICLES AND EQUIPMENT SHALL BE MAINTAINED, AND REPAIRED ON-SITE ONLY IN DESIGNATED AREAS. PREVENT RUN-ON AND RUN-OFF FROM DESIGNATED AREAS. CONTAINMENT DEVICES SHALL BE PROVIDED AND AREAS SHALL BE COVERED IF NECESSARY.
3. DESIGNATE ON-SITE VEHICLE AND EQUIPMENT MAINTENANCE AREAS, AWAY FROM STORM DRAIN INLETS AND WATERCOURSES.
4. ALWAYS USE SECONDARY CONTAINMENT, SUCH AS A DRAIN PAN OR DROP CLOTH, TO CATCH SPILLS AND LEAKS WHEN REMOVING OR CHANGING FLUIDS.
5. LEGALLY DISPOSE OF USED OILS, FLUIDS, AND LUBRICANTS.
6. PROVIDE SPILL CONTAINMENT DIKES OR SECONDARY CONTAINMENT AROUND STORED OIL, FUEL, AND CHEMICAL DRUMS.
7. MAINTAIN AN ADEQUATE SUPPLY OF ABSORBENT SPILL CLEANUP MATERIALS IN DESIGNATED AREA.

STORMWATER POLLUTION CONTROL PLAN

GENERAL NOTES

1. BEST MANAGEMENT PRACTICES (BMP'S) CONTAINED HEREIN REFLECT MINIMUM REQUIREMENTS. FOR ADDITIONAL BMP'S REFER TO CALIFORNIA STORMWATER BMP HANDBOOKS.
2. ALL CONSTRUCTION ACTIVITY SHALL BE PERFORMED IN ACCORDANCE WITH A STORMWATER POLLUTION CONTROL PLAN (SWPCP) DEVELOPED AND IMPLEMENTED IN COMPLIANCE WITH REQUIREMENTS OF THE ORANGE COUNTYWIDE STORMWATER QUALITY MANAGEMENT PROGRAM, NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT NO. _____
3. THE SWPCP SHALL:
   A. IDENTIFY POTENTIAL POLLUTANT SOURCES AND INCLUDE THE DESIGN AND PLACEMENT OF BMP'S TO EFFECTIVELY PROHIBIT THE ENTRY OF POLLUTANTS FROM THE CONSTRUCTION SITE INTO AND ONTO THE STREET AND STORM DRAIN SYSTEM DURING CONSTRUCTION.
   B. BE KEPT ON SITE AND AMENDED TO REFLECT CHANGING CONDITIONS THROUGHOUT THE COARSE OF CONSTRUCTION.
   C. BE KEPT UP TO DATE. ANY ADDITIONAL UPDATES REQUESTED BY AGENCY REPRESENTATIVES ARE TO BE MADE IMMEDIATELY.
4. NON-STORMWATER DISCHARGES ARE PROHIBITED FROM ENTERING ANY STORM DRAIN SYSTEM AND/OR STREET.
5. DISCHARGES OF PUMPED GROUND WATER REQUIRE A DISCHARGE PERMIT FROM THE STATE OF CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD (RWQCB).
6. POLLUTANTS SHALL BE REMOVED FROM STORMWATER DISCHARGES TO THE MAXIMUM EXTENT PRACTICABLE (MEP) THROUGH DESIGN & IMPLEMENTATION OF THE SWPCP.
7. A STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (NOV. 1 TO APR. 15). NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.
8. PORTABLE SANITARY FACILITIES SHALL BE LOCATED ON RELATIVELY LEVEL GROUND AWAY FROM TRAFFIC AREAS, DRAINAGE COURSES, AND STORM DRAIN INLETS.
9. EMPLOYEES, SUBCONTRACTORS AND SUPPLIERS SHALL BE EDUCATED ON ALL BMP'S INCLUDING CONCRETE WASTE STORAGE AND DISPOSAL PROCEDURES.
10. SEDIMENT CONTROL PRACTICES SHALL EFFECTIVELY PREVENT A NET INCREASE OF SEDIMENT LOAD IN STORMWATER DISCHARGE.

DIG ALER
TOLL FREE
1-800-227-2600
48 HOURS BEFORE YOU DIG

CITY OF RIVERSIDE BUSINESS TAX ACCOUNT #74172 EXP. 7/30/18

CITY OF RIVERSIDE, CALIFORNIA
PLANNING DIVISION
APPROVED BY
DATE

SAKE ENGINEERS, INC.
www.sakeengineers.com
ENGINEERING ● SURVEYING ● LAND DEVELOPMENT
400 S. RAMONA AVE., STE. 202
CORONA, CALIFORNIA 92879
(951) 279-4041 FAX: (951) 279-2830

REGISTERED PROFESSIONAL ENGINEER
SAM AKBARPOUR
C053038
CIVIL
STATE OF CALIFORNIA
R.C.E. No. DATE

MARK	REVISIONS	APPROVED	DATE

WDID #8 33C379764

PW17-0496

BEST MANAGEMENT PRACTICE
TRACT 37764

SCALE: 1"=40'	DRAWN: RL	CITY OF RIVERSIDE DEPARTMENT OF PUBLIC UTILITIES	
DATE: 7-9-2019	DESIGNED: RL		
JOB NO.: JN3053	CHECKED: SA		W
CAME PG. XX-X M.P. X	520-769200-470701		SHEET 5 of 5

I:\SERVER\projects\CI RIVERSIDE\JN3053 Hilash\Civil\BMP.dwg 7/9/2019 9:56:49 AM 1:40

Kevin Ballesteros | Phase I Project Manager

5261 West Imperial Highway, Los Angeles, California 90045 *301-854-6300*
Kevin.Ballesteros@efiglobal.com

Professional Summary:

Mr. Ballesteros has been in the environmental industry since 2016. Mr. Ballesteros started his career in the environmental industry researching human impacts on climate change using remote sensing technologies. Currently, Mr. Ballesteros conducts historical research and works with regulatory bodies to investigate historical and current uses of properties as part of the Phase I Environmental Site Assessment. Mr. Ballesteros's experience includes management of all stages of environmental projects including Phase I Environmental Site Assessments, Transaction Screen Assessments, and Database Reviews.

Licenses and Certifications:

OSHA 40-Hour Hazardous Waste Operations Certified, Safety Unlimited, CA #1605141167706

State of California Department of Public Health Lead-Related Construction Certificate ID#32017

Project Experience:

Phase I ESA at Montclair, California - Served as the Project Manager of a Phase I ESA for the entire 60-acre Montclair Plaza Shopping Mall, with several closed unauthorized release cases. This site included retail shops, offices, restaurants, a former automotive repair facility, and two former gasoline service stations. After extensive historical and regulatory agency research, EFI Global, Inc. was able to determine several concerns for the subject property which included: lack of removal and sampling associated with the first generation underground storage tanks of one of the former gasoline station operation, a former dry cleaners operated inside the mall, another automotive repair facility occupied the site, and lack of sampling performed on the automotive repair facility. EFI Global, Inc. was able to advise the property owner of the aforementioned concerns and that additional investigations were warranted prior to redevelopment of the site.

Phase I ESA at Vernon, California - Served as the Project Manager of a Phase I ESA for a vacant industrial property with a closed unauthorized release case issued by the City of Vernon, which was formerly part of a larger plastic bottle manufacturing operation. The former industrial facility had undergone numerous subsurface assessments and remedial cleanups dating back to 2008. Thorough historical and regulatory agency research indicated that one 10,000-gallon underground storage tank of unknown content was installed on the subject property. EFI Global, Inc. was able to advise the property buyer that the lack of documentation regarding the removal or sampling of the underground storage tanks was a concern and additional remediation work was warranted prior to redevelopment of the site.

Phase I ESA at Whittier, California - Served as the Project Manager of a Phase I ESA for a car wash and automotive repair facility, with former gasoline service station operations and a closed unauthorized release case. During initial project set up and conversations with the property owner during the site reconnaissance, it was believed that no concerns existed on the property. However, historical and regulatory agency research revealed that the property was occupied with four generations of gasoline stations. EFI Global, Inc. was able to advise the property owner that the lack of documentation

©2018 EFI Global, Inc.

regarding the removal or sampling associated with the early generation underground storage tanks at the former gasoline stations were concerns and additional investigations was warranted at the time.

Professional Experience:

Andersen Environmental an EFI Global company, Los Angeles, CA, Environmental Specialist, 2016 – Present

University of California Los Angeles Institute of the Environmental and Sustainability, Los Angeles, CA, Research Assistant 2013 – 2015

Specialized Education:

Bachelor's Degree in Environmental Studies, University of California Los Angeles, Los Angeles, CA, 2015

References:

Nicole Rivera - EFI Global, Inc. - 5261 West Imperial Highway, Los Angeles, CA 90045 - 310.854.6300

Matthew Rodda - EFI Global, Inc. - 5261 West Imperial Highway, Los Angeles, CA 90045 - 310.854.6300

©2018 EFI Global, Inc.

Raul Gaina | Project Manager, Certification

5261 West Imperial Highway, Los Angeles, California 90045 *(310) 854-6300*
Raul_Gaina@efiglobal.com

Professional Summary:

Raul Gaina has been engaged in the environmental sector since 2013 with experience in environmental consulting, environmental fieldwork, environmental education, environmental remediation, and water/wastewater treatment. Mr. Gaina has worked directly with clients and regulatory bodies to investigate historical and current site use and help clients achieve compliance with federal regulations for residential and commercial properties. Mr. Gaina's experience includes management of all stages of environmental projects including Phase I Environmental Site Assessments, Transaction Screen Assessments, and Database Reviews. In addition, Mr. Gaina has provided project oversight of various stages of site characterization and remediation projects including, soil investigation, groundwater monitoring well installation, monitoring well, and underground storage tank abandonment.

Licenses and Certifications:

Engineer in Training (EIT), Board for Professional Engineers, Land Surveyors, and Geologists Certificate No. 479387

OSHA 40-Hour Hazardous Waste Operations and Emergency Response Certified, Safety Unlimited, California, Certificate No. 1703145194159

Project Experience:

JP Morgan Chase Bank, N.A., Dallas, Tx
Phase I Environmental Site Assessment - Henderson, Nevada
Served as the Project Manager of a Phase I ESA for a commercial unit located within larger industrial park. During initial project set up, only the existing subject property address was identified and researched, which did not reveal any items of concern. However, during our site reconnaissance, a groundwater monitoring well was observed within the parking lot area of the subject property, which is indicative of a potential impacted resources at the subject property. Additional historical aerial photograph research revealed that prior to the current development, the subject property and immediately surrounding areas were formerly part of a larger industrial complex with multiple building and above ground storage tanks. After consulting with multiple regulatory agencies, including the Nevada Department of Environmental Protection (NDEP), it was determined that the historical facility was a former manufacturer of ammonium perchlorate – an oxidizer used as a component of solid propellant for rocket fuel. An explosion which destroyed the facility in 1988 resulted in an unauthorized release of perchlorate which impacted groundwater at the subject property and immediately surrounding areas. EFI Global reviewed multiple records, incident reports, correspondence, newspaper clippings, and groundwater monitoring reports on file at the NDEP, Southern Nevada Health Department (SNHD), and Clark County Department of Air Quality (CCDAQ). Based on information obtained from the most recent groundwater monitoring report, EFI Global determined that the concentrations of perchlorate at the subject property were above regulatory standards, which

©2018 EFI Global, Inc.

constituted a Recognized Environmental Condition. However, based on the identification of the responsible party, ongoing remediation activities under the jurisdiction of the NDEP, and low potential for threat to human health due to confinement of the contamination to the groundwater, no further environmental investigation was recommended, and the client was solely advised to continue to adhere to NDEP recommendations and guidance until regulatory closure is obtained.

Pacific Premier Bank, Irvine, California
Phase I Environmental Site Assessment - Westminster, California
Served as the Project Manager for Phase I ESAs for two multi-tenant auto repair facilities. The facilities were both built in the 1960s and have been used for machine shop, spray painting, and auto repair purposes through the present. No records indicating tenants names, property usage, and/or hazardous materials records were available for the properties for the period 1960-1990. Based on the potential use of chlorinated solvents / petroleum hydrocarbons, and storage/handling of hazardous materials, the historical industrial shop, machine shop, and auto repair operations during a period of less stringent regulatory oversight (1965-1990). Additionally, EFI Global determined that an unauthorized release of petroleum hydrocarbons was reported at an adjoining property which bounded both sites. Upon review of the regulatory agency records, it was determined that the contamination on the adjoining site was concentrated in the vicinity of only one of the subject properties and had the potential of only impacting this site. By going above and beyond, review multiple groundwater, sampling, and remediation reports for adjoining properties, EFI Global was able to advise the client of the need to assess the potential impact from this adjoining site to only one of the subject properties instead of both.

Professional Experience:

EFI Global, Inc., Phase I Project Manager, 2017 – present
Smith-Emery GeoServices, Phase I and Phase II Project Manager, 2015 – 2017
Smith-Emery GeoServices, Senior Environmental Specialist, 2014 – 2015
Smith-Emery GeoServices, Environmental Specialist, 2013 – 2014

Education:

Master of Science, Civil and Environmental Engineering, University of California, Los Angeles, California, 2013
Bachelor of Science, Environmental Science, with a Minor in Environmental Engineering, University of California, Los Angeles, California, 2012

References:

Nicole Rivera - EFI Global, Inc. - 5261 West Imperial Highway, Los Angeles, CA 90045 – 310.854.6300
Matthew Rodda - EFI Global, Inc. - 5261 West Imperial Highway, Los Angeles, CA 90045 – 310.854.6300

©2018 EFI Global, Inc.

Brian R. Brennan | Senior Project Manager

5909 Sea Lion Drive, Unit H, Carlsbad, California 92010 *760-473-5695*
brian.brennan@efiglobal.com

Professional Summary:

Mr. Brennan has over 20 years of environmental consulting experience. Mr. Brennan qualifies as an Environmental Professional with experience that includes preparing, reviewing and managing all aspects of Phase I and II Environmental Site Assessment (ESA) in commercial real estate transactions and large-scale residential developments following ASTM E 1527-13 and 40 CFR Part 312 (AAI) guidelines. Mr. Brennan has proven skills in planning, managing and executing all phases of small to large scale projects involving soil, soil gas and groundwater investigation and remediation at sites impacted by petroleum hydrocarbons, heavy metals, pesticides, and chlorinated solvents. Mr. Brennan's technical skills include developing, maintaining and meeting project scope and financial responsibilities; coordinating and managing professional staff and subcontractors; reviewing and evaluating environmental data and risk assessment; preparing technical writing documents; and communicating to senior and junior staff, regulatory agencies and clients. Mr. Brennan is an experienced project manager with the ability to oversee professional staff in multiple disciplines and geographic locations; tracking and maintaining schedules, budgets and deliverables; and maintaining current clients, while conducting future business development and marketing. Areas of expertise include:

Phase I/II Environmental Site Assessment

Environmental Site Assessment and Mitigation

Project Management

Data Evaluation

Third Party Review

Licenses and Certifications:

OSHA 40-Hour Hazardous Waste Operations Certified

OSHA 8-Hour HAWOPER Annual Refresher

Environmental Professional, per the CFR Title 40, Chapter I, Subchapter J, Part 312, Subpart C, Section 312.21

California Registered Environmental Assessor II (REA-II) No. 07920

©2018 EFI Global, Inc.

Project Experience:

County of Riverside, Economic Development Agency. Former Riverside General Hospital, Riverside, CA. Leaking Underground Storage Tank (LUST) Site Investigation, Remediation and Regulatory Agency (Riverside County DEH) Case Closure.

Gannett Fleming. Former Exide Technologies Facility, City of Industry, CA. Lead-impacted Soil Investigation and Mitigation, and Regulatory Agency (LA County Fire Department) Case Closure.

Standard Pacific Homes. Harmony Gove Village, Master-Planned Community, Escondido, CA. Phase I ESA, Site Investigation, Environmental Monitoring and Sampling, and Regulatory Agency (County of San Diego DEH) Case Closure Associated with Master Planned Community.

KB Home Coastal Inc. Magnolia Trails, Single-family Residential Development, El Cajon, CA. Phase I ESA, Pesticide-Soil Investigation, Remedial Excavation, and Regulatory Agency (County of San Diego DEH) Case Closure.

Dynamic Development Corporation. Proposed Dollar General Store, Imperial, CA. Historical Phase I/II ESA review; LUST Site Investigation and Remediation; and Regulatory Agency (Colorado River Basin Water Quality Control Board) Case Closure.

Heslin Holdings, LLC. Former Mr. Best Cleaners, Oceanside, CA. Former Dry Cleaner Release Site; Chlorinated Solvent Investigation and Mitigation; and Regulatory Agency (County of San Diego) Oversight (closure in-progress).

California Bank & Trust Facility. Commercial Bank Property, Escondido, CA. Site Assessment, Mitigation and Environmental Monitoring, during Redevelopment; and Regulatory Agency (County of San Diego DEH) Case Closure.

Standard Pacific Homes/CalAtlantic Homes/Lennar. Multiple Locations, Southern California. Provided numerous Phase I and II ESA technical services, review and evaluation of previous consultant environmental site assessment and mitigation, soil remediation, and environmental field services related to various Southern California property acquisitions.

KB Home Coastal, Inc. Multiple Locations, Southern California. Provided numerous Phase I and II ESA technical services, review and evaluation of previous consultant environmental site assessment and mitigation, soil remediation, and environmental field services related to various Southern California property acquisitions.

County of Riverside, Economic Development Agency. Multiple Locations, Riverside County. Provided numerous Phase I and II ESA technical services, review and evaluation of previous consultant environmental site assessment and mitigation, soil remediation, and environmental field services throughout the County.

Court Qualifications/ Depositions:

Superior Court of California, County of Riverside / County of Riverside v. Alvin C. Assink, et al., Case No. RIC 512629, July 16, 2012.

©2018 EFI Global, Inc.

Superior Court of California, County of San Diego / Shirey Falls, LP v. Guadalupe and Evangeline Hernandez, Case No. 37-2014-00006580, October 27, 2015.

Professional Experience:

EFI Global, Environmental Senior Project Manager, 2019-Present

EFI Global, Environmental Field Professional, 2018-2019

Environmental Professional/Independent Consultant/Contrator, 2011-2018

EEI, Director, Environmental Services/Senior Project Manager, 2014-2019

Terraphase Environmental Engineering, Senior Project Manager, 2014

EEI, Environmental Senior Project Manager, 2008-2014

EEI, Environmental Project Manager, 2004-2008

EEI, Environmental Staff Scientist, 2000-2004

United States Department of Interior, Yellowstone National Park, Visitor Use Assistance/Wildland Firefighter/GIS Analyst, 2001

City of San Diego, Parks and Recreation, GIS and Environmental Services, Intern, 1999

Specialized Education:

Geographic Information Systems (GIS), ArcGIS , San Diego State University, 2000

The Groundwater Pollution and Hydrology Course, Princeton Groundwater, Inc., 2003

The Remediation Class, Princeton Groundwater, Inc., 2005

Natural Attenuation, Risk Assessment, and Risk-Based Corrective Action (RBCA) Through Applied Groundwater Modeling, National Groundwater Association (NGWA), 2007

California Environmental Quality Act**,** University of California, San Diego, 2008

Education:

Master of Science, Environmental Engineering, National University, San Diego, California, 2008

Bachelor of Arts, Geography and Environmental Analysis, San Diego State University, San Diego, California, 2000

©2018 EFI Global, Inc.