FINAL
ENVIRONMENTAL IMPACT REPORT

FOR THE

SANCHEZ-HOGGAN ANNEXATION

Stockton, CA

State Clearinghouse Number: 2020020006

May 2020

Prepared for:

City of Stockton
Department of Community Development
345 N. El Dorado Street
Stockton, CA 95202

BaseCamp Environmental

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Prepared by:

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TABLE OF CONTENTS

			Page
1.0	Introduction		1-1
	1.1	Project and EIR Overview	1-1
	1.2	CEQA Process and Final EIR	1-2
	1.3	EIR Certification and Findings	1-3
2.0	Revised Summary of EIR		2-1
	2.1	Project Description	2-1
	2.2	Environmental Impacts and Mitigation Measures	2-2
	2.3	Areas of Controversy	2-2
	2.4	Summary of Alternatives	2-2
	2.5	Significant and Unavoidable Environmental Impacts	2-5
	2.6	Summary of Other CEQA Issues	2-5
3.0	Comments on Draft EIR and Lead Agency Responses to Comments		3-1
4.0	Draft EIR Errata		4-1

APPENDICES

I. Public Review Material
II. New EIR Appendix H, Phase I Environmental Site Assessment
III. New EIR Appendix I, Health Risk Assessment
IV. Revised CalEEMod Results
V. Additional Air Quality Improvement Measures

LIST OF FIGURES

1-1.	Regional Map	1-4
1-2.	Vicinity Map	1-5
1-3.	USGS Map	1-6

1-4. Aerial Photo 1-8

1-5. Proposed Annexation Areas 1-9

1-6. Project Area Industrial Development 1-10

LIST OF TABLES

2-1. Revised Summary of Impacts and Mitigation Measures 2-6

1.0 INTRODUCTION

1.1 PROJECT AND EIR OVERVIEW

This Final Environmental Impact Report (Final EIR) describes the potential environmental impacts that would result from City of Stockton (City) approval and subsequent development of the proposed Sanchez-Hoggan Annexation Project (project). The project proposes the annexation and pre-zoning of two parcels by the City of Stockton for the purposes of light industrial development. The Sanchez property of 149.01 acres is located at the northwest corner of Arch Road and Austin Road, and the 20.76-acre Hoggan property is located at the northern end of Frontier Way and south of North Littlejohns Creek. Both properties, which are hereinafter referred to collectively as the "project site," are in the unincorporated area of San Joaquin County adjacent to the southeastern Stockton city limits (Figures 1-1 through 1-6).

Proposed future development of the project site involves light industrial development of both the Sanchez and Hoggan sites, mainly with "high-cube" warehouses, which would involve a total building area of 3,087,388 square feet. The Sanchez property would accommodate 2,796,948 square feet of high-cube development in four buildings, while the Hoggan property would accommodate 290,440 square feet of high-cube development in one building. The EIR also considers different Anticipated Development and Market Driven intensities for the Sanchez property in order to encompass potential site development intensities and to allow the project proponent to find an appropriate tenant based on allowed uses and current market trends.

Construction of buildings and associated improvements would require additional City approvals, assuming the proposed annexation is approved. The project would require discretionary approvals from the City of Stockton consisting of pre-zoning, parcel map, site plan review, cancellation of Williamson Act contract on the Sanchez parcel, and authorization to apply for annexation. The annexation would require approval from the San Joaquin Local Agency Formation Commission (LAFCo). These various approvals are addressed in the EIR.

The purpose of the EIR, which consists of both the Draft EIR and this Final EIR, is to analyze and describe the potential environmental impacts of implementation of the project, to identify and recommend mitigation measures that would avoid or substantially reduce the project's environmental effects, to analyze alternatives to the proposed project and to meet other applicable requirements of the California Environmental Quality Act (CEQA). The EIR is an informational document that by itself does not determine whether the project will be approved, but instead functions as an information tool that supplements the City's planning and decision-making process. The authority for EIR preparation, the relationship of the project and this document to applicable legal requirements under CEQA, and the processing status of the project are addressed in Section 1.2 below and in Chapter 1.0 of

the Draft EIR. The Draft EIR is incorporated into this Final EIR by reference, as discussed below.

1.2 CEQA PROCESSING AND FINAL EIR

This EIR has been prepared in accordance with the requirements of CEQA and the State CEQA Guidelines. The City of Stockton is the "lead agency" for the proposed project. The City determined that an EIR would be required for the project and released a Notice of Preparation (NOP) on January 29, 2020 for agency and public review. The State Clearinghouse subsequently transmitted the NOP to State agencies on February 6, 2020 The City's NOP comment period closed on February 28, 2020, while the State's NOP review extended to approximately March 6, 2020. A copy of the NOP and attachment are included in Appendix A of the Draft EIR.

The City prepared a Draft EIR (the Public Review Draft EIR, dated March 6, 2020) that identified the potential environmental effects of the project. The Draft EIR was distributed locally and through the State Clearinghouse (SCH #2020020006) for agency and public comment between March 6, 2020 through April 22, 2020. The Draft EIR distribution list, legal notices and other information related to the public review period for the Draft EIR are shown in Section 5.0 of this document. Public and agency comments received by the City during the public review period, together with the City's responses to these comments, are shown in Chapter 3.0 of this document. Comments received after the close of the review period are addressed in the same way.

This Final EIR has been prepared pursuant to the requirements of CEQA and the CEQA Guidelines. CEQA Guidelines Section 15132 specifies the content of a Final EIR as:

- The Draft EIR or a revision of the draft,
- Comments and recommendations received on the Draft EIR, either verbatim or in summary,
- A list of persons, organizations, and the public agencies commenting on the Draft EIR,
- The responses of the Lead Agency to significant environmental points raised in the review and consultation process, and
- Any other information added by the Lead Agency. This includes additional technical information or clarification to the Draft EIR submitted by City staff.

The Final EIR provides the information required by the CEQA Guidelines. This Section 1.0 describes the purpose and format of the Final EIR. Section 2.0 summarizes the Public Review Draft EIR, as modified in response to comments on the Draft EIR. Section 3.0 lists the comments received by the City concerning the Public Review Draft EIR, shows the text of each comment, and provides the City's response to each of the substantive environmental concerns identified in the comments. Section 4.0 Errata describes any

required corrections and changes to the Public Review Draft EIR, including changes dictated by the public and agency comments and revisions originating with City staff. Section 5.0 includes copies of transmittal documents, the Notice of Availability of the Public Review Draft EIR for review, the distribution list for the EIR public notice, the Notice of Completion, and other material related to the public review of the EIR.

The Public Review Draft EIR, cited below, is hereby incorporated by reference. Copies of the Draft EIR are available for review at the City of Stockton Community Development Department, 345 N. El Dorado Street, Stockton, CA 95202.

> Public Review Draft Environmental Impact Report for the Sanchez-Hoggan Annexation, Stockton, CA. March 6, 2020. Prepared for City of Stockton Department of Community Development, 345 N. El Dorado Street, Stockton, CA 95202. Prepared by BaseCamp Environmental, Inc., 115 S. School Street, Suite 14, Lodi, CA 95240. State Clearinghouse Number 2020020006.

1.3 EIR CERTIFICATION AND FINDINGS

Sections 15090 through 15093 of the CEQA Guidelines outline procedures for decision-making by the Lead Agency (the City of Stockton) when an EIR has been prepared. Before taking action on the project, the City must first certify that the EIR is adequate under CEQA. Then, in conjunction with its decision on the project, the City must make specific findings with respect to each of the significant environmental effects identified in the EIR.

Guidelines for the certification of an EIR (CEQA Guidelines Section 15090) require that the Lead Agency certify that 1) the Final EIR has been completed in compliance with CEQA, 2) that the Final EIR was presented to the decision-making body of the Lead Agency and the decision-making body reviewed and considered the information contained in the Final EIR prior to a decision on the project, and 3) that the Final EIR reflects the Lead Agency's independent judgment and analysis.

The EIR is intended by CEQA to be an informational document (CEQA Guidelines Section 15121). Decision-making on the project in relation to its environmental impacts is reserved to the Lead Agency and any Responsible Agencies. Consequently, information in the EIR does not limit the Lead Agency's ultimate discretion on the project, but as noted the Lead Agency must address each significant effect identified in the EIR in written findings before they approve the project, or portions of the project (CEQA Guidelines Section 15091). These findings are contained in a separate document that accompanies this Final EIR. The possible findings are:

1. Changes or alterations have been required in, or incorporated into, the project which avoid or substantially lessen the significant environmental effect as identified in the Final EIR (i.e., the impact has been "mitigated").

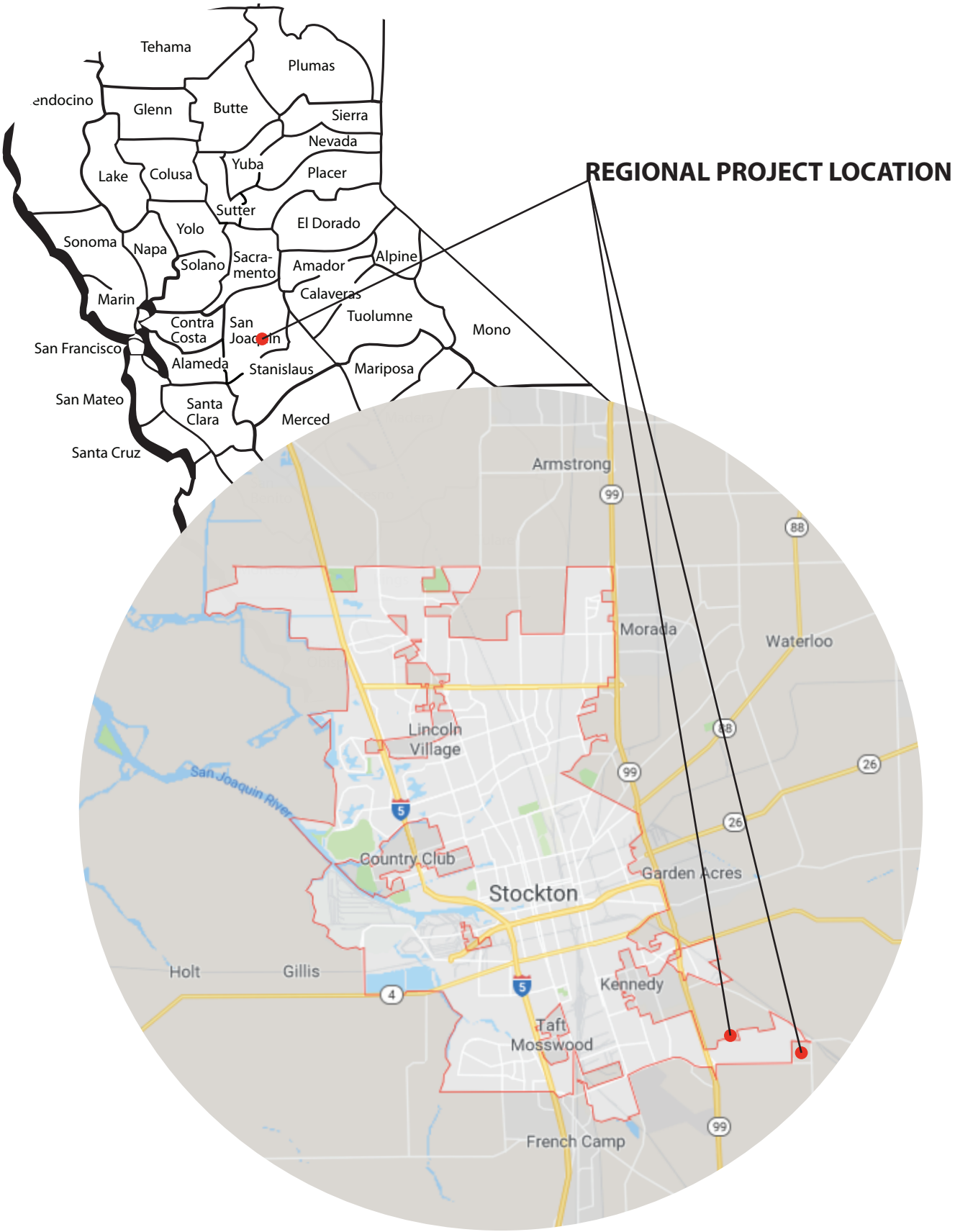
2. Such changes or alterations are within the responsibility and jurisdiction of another public agency and not the agency making the finding. Such changes have been

adopted by such other agency or can and should be adopted by such other agency (i.e., mitigation is the responsibility of an agency other than the City of Stockton).

3. Specific economic, legal, social, technological or other considerations, including provision of employment opportunities for highly trained workers, make infeasible the mitigation measures or project alternatives identified in the Final EIR (i.e., the impact is acceptable because the project's benefits outweigh it).

In the event that the City wishes to approve a project without providing substantial mitigation for all its significant impacts of the project (i.e., if the second or third finding options are utilized), then CEQA Guidelines Section 15093 allows the decision-makers to balance the project's benefits against its unavoidable environmental risks. This decision must be documented in a Statement of Overriding Considerations and adopted by the project decision-makers. The CEQA findings for the project, as described above, include a Statement of Overriding Consideration.

As a part of the project consideration and approval process described above, the City must also adopt a mitigation monitoring and/or reporting program (CEQA Guidelines Section 15097). The mitigation monitoring/reporting program is required to ensure that the mitigation measures and project revisions identified in the EIR are implemented. The measures and revisions described in the EIR are fully enforceable through permit conditions, agreements, or other measures. The mitigation monitoring/reporting program for this project is contained in a separate document that accompanies this Final EIR.

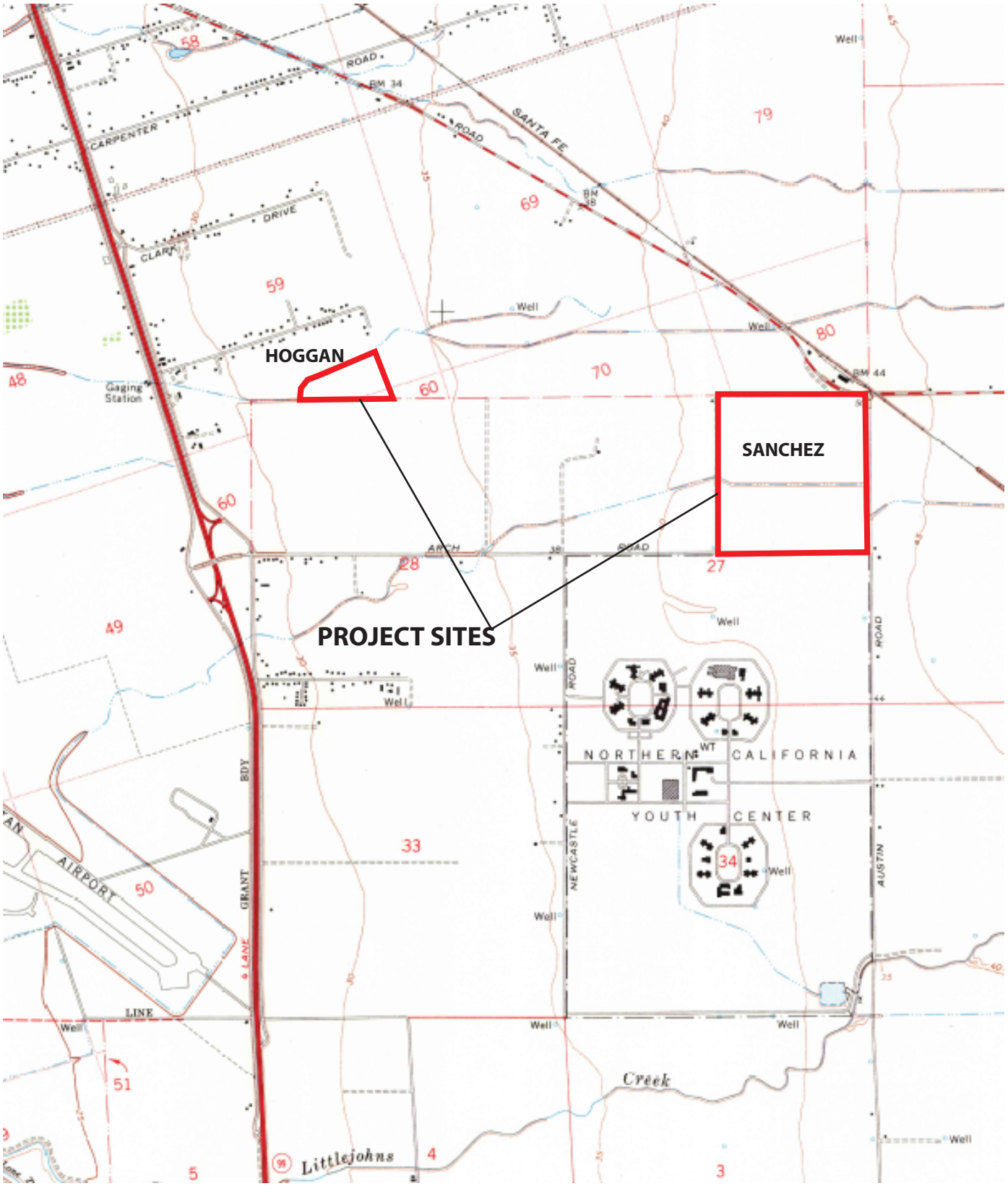


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Figure 1-1
REGIONAL PROJECT LOCATION



Figure 1-2
STREET MAP

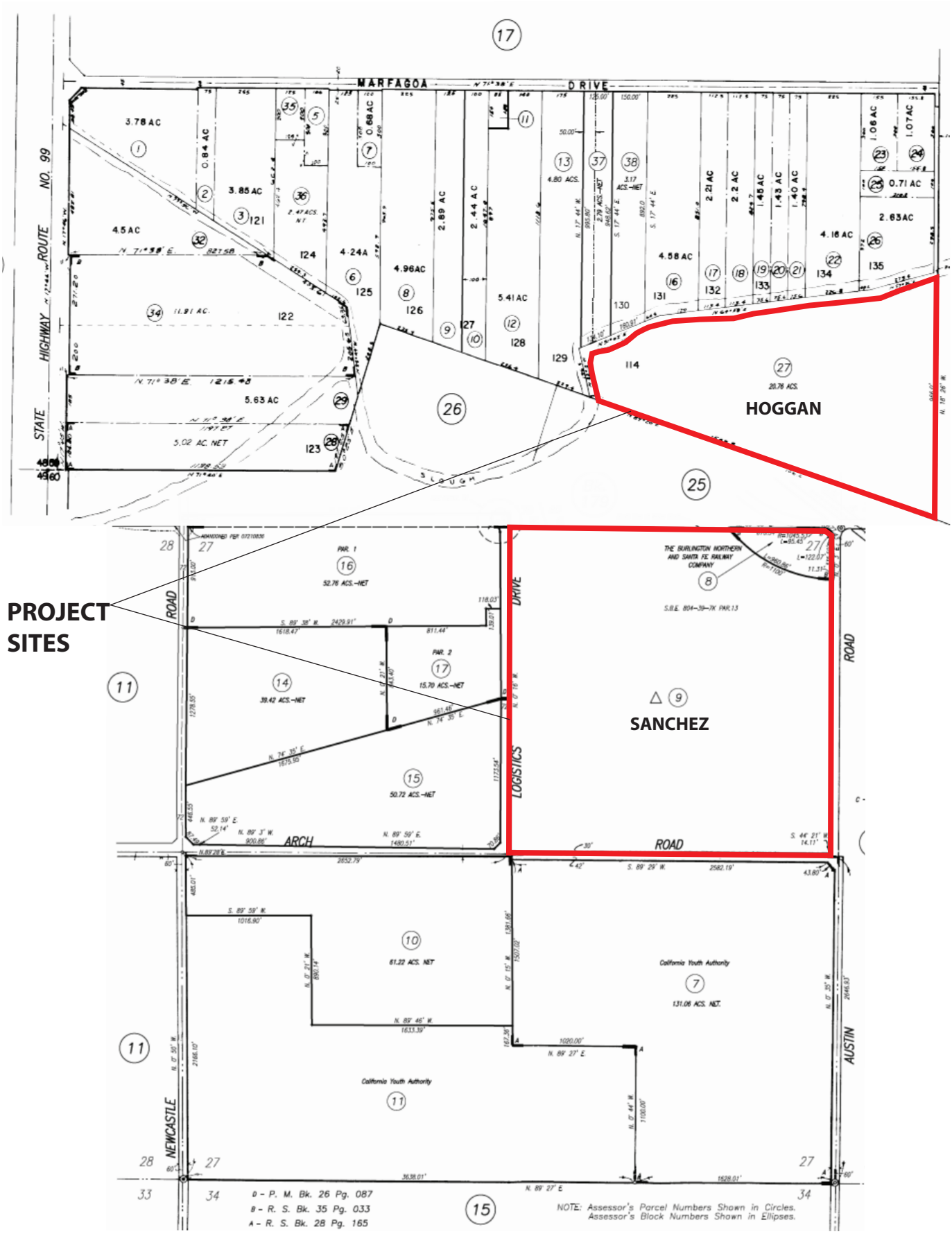


SOURCE: Stockton East Quadrangle Map, 7.5 Minute Series, 1968.



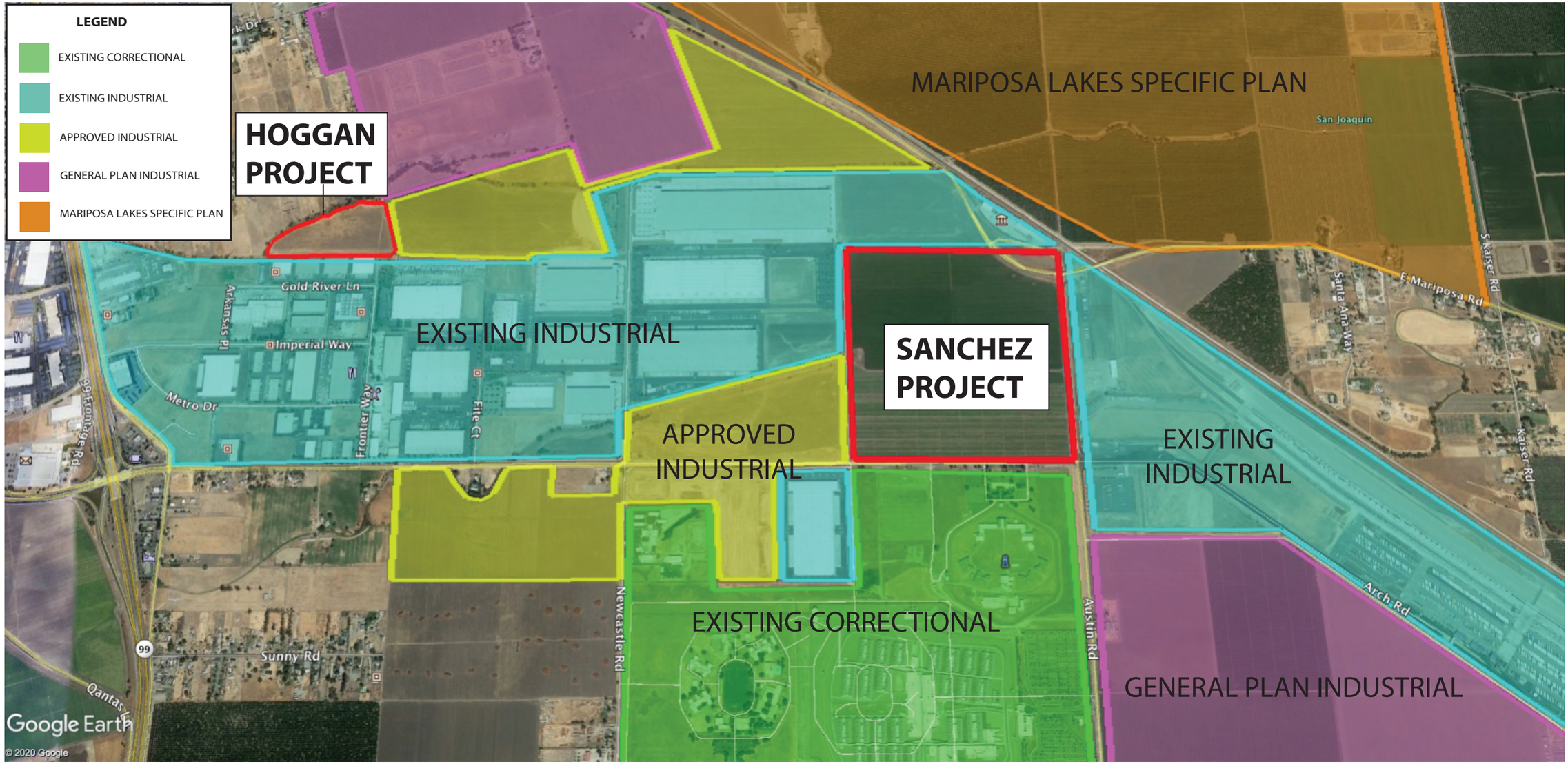
SOURCE: Google Maps

Figure 1-4
AERIAL PHOTO



SOURCE: San Joaquin County Assessor's Office

Figure 1-5
ASSESSOR PARCEL MAP



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Figure 1-6
SANCHEZ PROJECT AREA INDUSTRIAL DEVELOPMENT

2.0 REVISED SUMMARY OF EIR

This chapter of the Final EIR is a verbatim reproduction of Chapter 2.0 of the Draft EIR. This chapter contains a summary of the project description, the potential environmental effects and mitigation measures associated with the project, and the alternatives considered in the Draft EIR.

The Draft EIR has been subject to minor revisions in conjunction with the City's consideration of and response to the comments received from agencies and the public on the Draft EIR. These revisions are detailed in Chapter 4.0 of this Final EIR; any of those revisions that involve changes to the significant environmental effects, mitigation measures or alternatives as they were described in the Summary of the Draft EIR (Chapter 2.0) are shown in Table 2-1 later in this chapter in underline and/or strikeout as appropriate.

2.1 PROJECT DESCRIPTION

The project proposes the annexation of approximately 169.77 acres into the City of Stockton (Figure 3-1). The annexation area consists of two properties: the 149.01-acre Sanchez property and the 20.76-acre Hoggan property. Both properties are in the San Joaquin County unincorporated area, adjacent to the southeastern limits of the City of Stockton. To satisfy San Joaquin LAFCo requirements regarding annexation requests, the City would pre-zone the entire project site IL - Industrial, Limited. This pre-zoning would be consistent with the proposed uses of the properties and the land uses on the adjacent Norcal Logistics Center site. The project also proposes to submit a Tentative Parcel Map for the Sanchez property, along with cancellation of the existing Williamson Act contract on that property.

Upon annexation, the project proposes to develop the Sanchez property with industrial buildings that would accommodate mainly "high cube" warehouses. A site plan for this property proposes the construction of four industrial buildings with a total building area of 2,796,948 square feet. Property development also would provide parking areas with a total of 2,726 automobile parking stalls and 154 trailer parking stalls. Approximately seven acres would be used for a detention basin at the northwest corner of the property to collect storm water runoff, which would be discharged into Weber Slough. Other portions of the property would be developed with roads or would be left undeveloped near Weber Slough. Access would be available from Logistics Drive and Austin Road adjacent to the property, as well as from an access point from Mariposa Road north of the property.

This EIR also considers different Anticipated Development and Market Driven intensities for the Sanchez property. Anticipated development includes proposed industrial intensities as defined by the ITE Transportation Manual and per the proposed industrial

uses. Market Driven intensities reflect current market trends and requirements for higher intensity industrial users and distribution center activities.

The Hoggan property would be developed with one high-cube warehouse approximately 290,440 square feet in floor area, along with parking areas for 237 automobiles and 41 trailers. Two detention basins to collect runoff would be installed on the west and east sides of the property, which would be sent to the drainage system of the Norcal Logistics Center. Access would be provided by a new extension from Frontier Way to the south and from the adjacent Norcal Logistics Center site.

The City would be responsible for all the local government approvals associated with the project, except for the annexation, which would require approval by the San Joaquin LAFCo. Other agencies from whom permits or approvals would be required include the San Joaquin County Department of Public Works, the State Water Resources Control Board, the Regional Water Quality Control Board, the Central Valley Flood Protection Board, the U.S. Army Corps of Engineers, and the California Department of Fish and Wildlife.

2.2 ENVIRONMENTAL IMPACTS AND MITIGATION MEASURES

The potentially environmental effects of the project are summarized in Table 2-1 at the end of this chapter, along with mitigation measures proposed to minimize these effects when required. Table 2-1 provides an indication of the significance of impacts, both before and after application of mitigation measures. As documented herein, with proposed mitigation measures, all the potential environmental effects of the project would be reduced to a level that is less than significant. The project would not involve any significant and unavoidable environmental impacts, other than traffic impacts at two intersections for which no feasible mitigation is available.

2.3 AREAS OF CONTROVERSY

A NOP for this EIR was issued with a request for comment from public agencies. Table 1-1 lists the seven comment letters received in response to the NOP. Issues brought up in the comment letters included the following:

- Conformance of construction to Incidental Take Minimization Measures
- Growth-inducing impacts
- Cumulative vs. project-specific impacts (for transportation and air quality)
- Defined truck routes and travel on roads sufficiently designed to have a 50-year life.
- Stormwater plan – on- and off-site

- Signals – timing and location
- Air quality and GHG impacts, possible use of fuel-efficient trucks, compliance with City's Climate Action Plan
- Zone 9 flooding and road improvement mitigations
- Detention basin and impact on groundwater quality
- Retention timing for basin, means to avoid bugs from pooling, check design
- Habitat mitigation and streamflow alteration
- Central Valley Flood Protection Board permit may be required

2.4 SUMMARY OF ALTERNATIVES

Chapter 19.0, Alternatives, identifies and discusses a range of reasonable alternatives to the project, including the "no project" alternative. The alternatives addressed in detail include:

- No Project
- Alternative Sanchez Property Development
- Alternative Hoggan Light Industrial Development
- Hoggan Truck/Trailer Storage Area
- Reduced Development

The No Project alternative is defined as the continuation of existing conditions on the project site, which means the site would not be annexed to the City and would remain undeveloped. This alternative would involve no action on the part of the City of Stockton, LAFCo, or other agencies. Existing zoning would remain Agriculture, and any future land uses would be consistent with this zoning. Selection of this alternative would eliminate all the significant environmental effects of the project. However, the continuation of the undeveloped state of the project site does not fulfill any of the basic objectives of the proposed project, and it would be inconsistent with the designation of the City of Stockton and San Joaquin County General Plans, both of which anticipate urban industrial development. Also, this alternative may have potentially significant impacts such as contamination by agricultural chemicals and possible illegal dumping.

The Alternative Sanchez Property Development alternative proposes development of the Sanchez property other than the high-cube warehousing proposed by the project. For this alternative, it is assumed that the City would annex the Sanchez property and pre-zone the property as General Industrial (IG). The Hoggan property would be annexed and developed as described by the proposed project. Development under this alternative

would generally have similar impacts to the proposed project. However, this alternative would not meet the objectives of the proposed project related to warehouse development. Depending on the type of industrial activity located on the Sanchez property, this alternative may have new or more severe impacts than the proposed project.

The Alternative Hoggan Light Industrial Development alternative proposes development of the Hoggan property other than the high-cube warehousing proposed by the project. For this alternative, it is assumed that the City would annex the Hoggan property and pre-zone the property as Limited Industrial (IL), as under the proposed project. The Sanchez property would be annexed and developed as described by the proposed project. Development under this alternative would have similar impacts to the proposed project. However, this alternative would not meet the objectives of the proposed project related to warehouse development. Since the Hoggan property is near rural residences, this alternative may have new or more severe impacts than the proposed project on these residences, depending on the type of industrial activity.

The Hoggan Truck/Trailer Storage Area alternative proposes development of the Hoggan property as a truck/trailer storage area for the adjacent Norcal Logistics Center. Other features of this alternative would remain the same as the proposed project, including annexation of the Hoggan and Sanchez properties and high-cube warehouse development of the Sanchez property. In general, development under this alternative would have similar impacts to those of the proposed project. Some impacts, such as visual landscapes and traffic, may be reduced. However, the alternative could involve changes in some environmental impacts, such as increased noise and diesel particulate matter emissions from trucks. With available information, it appears that these potential effects would be reduced to a less than significant level with mitigation measures. This alternative would not meet the total square footage objectives of the project, but it would expand opportunities to accommodate new industrial users into the Norcal Logistic Center development as a whole.

The Reduced Development alternative would have the project site annexed to the City of Stockton and pre-zoned as under the proposed project. Also, proposed development of the project site would be like the proposed project. However, proposed development would be reduced; specifically, the proposed light industrial development on the Sanchez property would be reduced in floor area. This alternative would be consistent with the objectives of the proposed project. The significant environmental effects of the proposed project would be lessened by this alternative. Air pollutant emissions would be reduced, as would the amount of traffic that would be generated, which would reduce traffic and noise impacts. Effects on biological resources, cultural resources, soils, hydrology, and construction noise would be the same as the proposed project and would likely require mitigation to reduce impacts.

Since the No Project Alternative would eliminate or avoid all potential environmental effects associated with the proposed project, it would be considered the environmentally superior alternative. CEQA Guidelines Section 15126.6(e)(2) requires that, if a No Project Alternative is identified as the environmentally superior alternative, then an EIR shall identify an environmentally superior alternative from the other alternatives. In

accordance with this section, the Reduced Development Alternative would be considered the environmentally superior alternative after the No Project Alternative.

2.5 SIGNIFICANT AND UNAVOIDABLE ENVIRONMENTAL IMPACTS

CEQA Guidelines Section 15126.2(b) states that an EIR shall discuss significant environmental effects that cannot be avoided if a proposed project is implemented. This includes significant impacts that can be mitigated but not reduce to a level of insignificance. Where there are impacts that cannot be alleviated without imposing an alternative design, the implications of these impacts, and the reasons why the project is being proposed notwithstanding their effects, should be described.

Table 2-1 of this EIR identifies all the potentially significant environmental effects of the project and the mitigation measures to address these effects. In all but one case, the proposed mitigation measures would be effective in reducing potential environmental effects to levels that would be less than significant. Traffic impacts of the project were considered significant and unavoidable at the Arch-Airport Road and State Route 99 Ramps and Arch Road and SR 99 East Frontage Road intersections. No feasible mitigation measures were identified that could reduce this impact to a level that would be less than significant.

2.6 SUMMARY OF OTHER CEQA ISSUES

Chapter 20.0, Other CEQA Issues, discusses irreversible environmental commitments, including energy consumption for project construction and operations. The project would involve the irreversible commitment of construction materials to the construction of buildings, parking spaces, and supporting infrastructure. Also, the project would involve an essentially irreversible loss of open space and the potential biological resource values associated with it. However, construction materials would not be used in highly significant or unusual quantities when compared to similar projects, and biological resource impacts would be less than significant.

Chapter 20.0 also discusses the potential growth-inducing impacts of the project. Project impacts on population and housing would be less than significant, as the project is unlikely to induce population growth; employees would be drawn from the existing Stockton metropolitan area population. Infrastructure already exists on the Norcal Logistics Center site to which future development on the project site can connect; no major utility lines need to be extended. Because of this, the project would not have a growth-inducing impact.

TABLE 2-1
SUMMARY OF IMPACTS AND MITIGATION MEASURES

Potential Impact	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
4.0 AESTHETICS AND VISUAL RESOURCES			
Impact AES-1: Scenic Vistas. There are no scenic vistas available from the project site, so the project would have no impact.	NI	None required.	-
Impact AES-2: Scenic Resources. There are no significant scenic resources on the Sanchez property. Potential riparian area along North Littlejohns Creek adjacent to the Hoggan property would not be affected. No other scenic resources or scenic highways are in the area.	NI	None required.	-
Impact AES-3: Visual Character and Quality. Urban development would replace existing open space areas. New structures, landscaping and site improvements would be designed and constructed to meet the aesthetic standards of the City of Stockton as encapsulated in its design review process and adopted City design standards. Compliance with these standards would minimize project impacts.	LS	None required.	-
Impact AES-4: Light and Glare. Lighting would be installed on properties that currently have none. Compliance with Stockton Municipal Code Sections 16.36.060(B) and 16.32.070 would minimize light and glare impacts.	LS	None required.	.
5.0 AGRICULTURAL RESOURCES			
Impact AG-1: Conversion of Farmland. The Hoggan property is classified as Farmland of Local Importance, which is not Farmland as defined by the CEQA Guidelines. However, the Sanchez property is classified as Prime Farmland. Stockton General Plan 2040 EIR discusses conversion impacts. The City's Agricultural Lands Mitigation Program would compensate for loss of Prime Farmland.	LS	None required.	-
Impact AG-2: Agricultural Zoning and Williamson Act. The project site is zoned AU-20 (Agriculture-Urban Reserve), which holds land for future urban development. The Sanchez property is under a Williamson Act contract, but mitigation would remove potential conflict.	LS	None required.	.

Notes: PS = Potentially Significant, LS = Less than Significant, NI = No Impact

TABLE 2-1
SUMMARY OF IMPACTS AND MITIGATION MEASURES

Potential Impact	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
Impact AG-3: Indirect Conversion of Agricultural Lands. The project is in an area designated for urban development, and such development has occurred. The project would not involve any activity that would indirectly convert other agricultural land to non-agricultural uses.	LS	None required.	-
6.0 AIR QUALITY			
Impact AIR-1: Air Quality Plans and Standards – Construction Emissions. Project construction emissions would not exceed SJVAPCD significance thresholds, thereby being consistent with adopted air quality plans. Dust emissions would be reduced through the required implementation of SJVAPCD Regulation VIII, and future development would be subject to SJVAPCD's Indirect Source Rule.	LS	None required.	-
Impact AIR-2: Air Quality Plans and Standards – Operational Emissions. Project operational emissions would not exceed SJVAPCD significance thresholds.	LS	None required.	-
Impact AIR-3: Exposure of Sensitive Receptors to Criteria Pollutants. Rural residences north of Hoggan property are unlikely to be exposed to high pollutant concentrations. There are no sensitive receptors near Sanchez property. CO concentrations at street intersections would not affect sensitive receptors.	LS	None required.	-
Impact AIR-4: Exposure of Sensitive Receptors to Toxic Air Contaminants. Limited amounts of diesel PM generated by operations at Hoggan property would not affect rural residences to the north, based on facility prioritization score.	LS	None required.	-
Impact AIR-5: Odors and Other Emissions. Main odor source would be vehicle emissions, which would be localized and would dissipate rapidly.	LS	None required.	-
7.0 BIOLOGICAL RESOURCES			
Impact BIO-1: Special-Status Species and Habitats. Project development would involve the potential for impacts on foraging habitat for Swainson's hawk and burrowing owl and	PS	BIO-1: The developer shall apply to the San Joaquin Council of Governments (SJCOG) for coverage under the San Joaquin County Multi-Species Open Space and Habitat Conservation Plan (SJMSCP). The project site shall be inspected by the SJMSCP	LS

Notes: PS = Potentially Significant, LS = Less than Significant, NI = No Impact

Potential Impact	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
some potential for nesting impacts.		biologist, who will recommend which Incidental Take Minimization Measures (ITMMs) set forth in the SJMSCP should be implemented. The project applicant shall pay the required SJMSCP fee, if any, and be responsible for the implementation of the specified ITMMs.	
Impact BIO-2: Riparian and Other Sensitive Habitats. No riparian areas or sensitive vegetation communities were identified on the project site.	NI	None required	-
Impact BIO-3: State and Federally Protected Wetlands. No wetlands or Waters of the U.S. were identified on the project site.	PS	BIO-2 Prior to issuance of City permits for the proposed pump station and outfall, the project applicant shall delineate wetland areas, obtain required federal and state permits and demonstrate that the project would result in "no net loss" of wetlands and/or Waters of the U.S. Wetland mitigation necessary to make this demonstration shall be included in the project or project conditions of approval	LS
Impact BIO-4: Migratory Fish and Wildlife Habitats. The presence of trees and shrubs on the project site as well as potential foraging habitat to the east of the project site may attract migratory birds. Otherwise, no impacts would occur on migratory corridors or nesting habitats.	PS	BIO-3: If vegetation removal or construction commences during the general avian nesting season (February 1 through September 15), a pre-construction survey for all species of nesting birds is recommended. If active nests are found, work in the vicinity of the nests shall be delayed until the young have fledged.	LS
Impact BIO-5: Local Biological Requirements. A Heritage Tree (oak) protected by Stockton Municipal Code Chapter 16.130 was identified on the project site. Compliance with Municipal Code would reduce impacts to a level that would be less than significant.	PS	BIO-4: Project development on the Hoggan property (APN 179-200-27) shall avoid removal of existing oak trees to the extent feasible. If removal of oak trees is required, a certified arborist shall survey the oak trees proposed for removal to determine if they are Heritage Trees as defined in Stockton Municipal Code Chapter 16.130. The arborist report with its findings shall be submitted to the City's Community Development Department. If Heritage Trees are determined to exist on the property, removal of any such tree shall require a permit to be issued by the City in accordance with Stockton Municipal Code Chapter 16.130. The permittee shall comply with all permit conditions, including tree replacement.	LS
Impact BIO-6: Habitat Conservation Plans. Project would participate in the San Joaquin County Multi-Species Open Space and Habitat Conservation Plan	PS	Implement Mitigation Measure BIO-1.	LS

Notes: PS = Potentially Significant, LS = Less than Significant, NI = No Impact

TABLE 2-1
SUMMARY OF IMPACTS AND MITIGATION MEASURES

Potential Impact	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
8.0 CULTURAL RESOURCES AND TRIBAL CULTURAL RESOURCES			
Impact CULT-1: Historical Resources. Two historical resources have been recorded on the project site, but neither were determined to be eligible for CRHR listing.	LS	None required.	-
Impact CULT-2: Archaeological and Tribal Cultural Resources. Project site is considered sensitive for archaeological and tribal cultural resources. It is possible that unknown cultural resources may be uncovered during project construction.	PS	CULT-1: Prior to construction, construction personnel shall receive brief "tailgate" training by a qualified archaeologist in the identification of buried cultural resources, including human remains, and protocol for notification should such resources be discovered during construction work. A Yokuts tribal representative shall be invited to this training to provide information on potential tribal cultural resources. CULT-2: If any subsurface historical or archaeological, resources, including human burials and associated funerary objects, are encountered during construction, all construction activities within a 50-foot radius of the encounter shall be immediately halted until a qualified archaeologist can examine these materials, initially evaluate their significance and, if potentially significant, recommend measures on the disposition of the resource. The City shall be immediately notified in the event of a discovery, and if burial resources or tribal cultural resources are discovered, the City shall notify the appropriate Native American representatives. The contractor shall be responsible for retaining qualified professionals, implementing recommended mitigation measures and documenting mitigation efforts in written reports to the City. CULT-3: If tribal cultural resources other than human remains and associated funerary objects are encountered, the City shall be immediately notified of the find, and the City shall notify the Yokuts tribal representative. The qualified archaeologist and tribal representative shall examine the materials and determine their "uniqueness" or significance as tribal cultural resources and shall recommend mitigation measures needed to reduce potential cultural resource effects to a level that is less than significant in a written report to the City, with a copy to the Yokuts tribal representative. The City will be responsible for implementing the report recommendations. Avoidance is the preferred means of disposition of tribal cultural resources.	LS

Notes: PS = Potentially Significant, LS = Less than Significant, NI = No Impact

Potential Impact	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
Impact CULT-3: Human Burials. CEQA Guidelines Section 15064.5(e) describes the procedure to be followed when human remains are uncovered in a location outside a dedicated cemetery. Additional mitigation is prescribed for treatment of Native American remains.	PS	CULT-4: If project construction encounters evidence of human burial or scattered human remains, the contractor shall immediately notify the County Coroner and the City, which shall in turn notify the Yokuts tribal representative. The City shall notify other federal and State agencies as required. The City will be responsible for compliance with the requirements of California Health and Safety Code Section 7050.5 and with any direction provided by the County Coroner. If the human remains are determined to be Native American, the County Coroner shall notify the Native American Heritage Commission, which will notify and appoint a Most Likely Descendant. The Most Likely Descendant will work with the archaeologist to decide the proper treatment of the human remains and any associated funerary objects in accordance with California Public Resources Code Sections 5097.98 and 5097.991. Avoidance is the preferred means of disposition of the burial resources.	LS
9.0 GEOLOGY, SOILS, AND MINERAL RESOURCES			
Impact GEO-1: Faulting and Seismicity. There are no active or potentially active faults within or near the project site. The project site would be exposed to seismic shaking, but compliance with the adopted California Building Code would minimize seismic hazards.	LS	None required.	-
Impact GEO-2: Other Geologic Hazards. The project site is not prone to landslide hazards or subsidence. Liquefaction on the project site is considered unlikely. The soils underlying the project site have not been identified as inherently unstable or prone to failure.	NI	None required.	-
Impact GEO-3: Soil Erosion. Project construction activities would loosen the soil, leaving it exposed to potential water and wind erosion. Project would be required to obtain a Construction General Permit, which has conditions that would reduce soil erosion impact, as would Stockton Municipal Code provisions.	LS	None required.	-
Impact GEO-4: Expansive Soils. Project site soils have high shrink-swell potential.	PS	GEO-1: Prior to site development plan approval, a site-specific, design-level geotechnical study shall be completed for the proposed construction areas. The study shall include an evaluation of potential geologic and soil hazards, including the presence of expansive soils. The study shall recommend design and construction features to	LS

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Potential Impact	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
		reduce the potential impact of identified hazards on the proposed development if the hazard is considered significant. The recommendations included in the study shall be incorporated in design and construction documents and implemented during development.	
Impact GEO-5: Paleontological Resources and Unique Geological Features. The project site does not contain unique geological features any known paleontological resources; however, project construction could unearth paleontological materials of unknown significance.	PS	GEO-2: If any subsurface paleontological resources are encountered during construction, all construction activities within a 50-foot radius of the encounter shall be immediately halted until a qualified paleontologist can examine these materials, initially evaluate their significance and, if potentially significant, recommend measures on the disposition of the resource. The City shall be immediately notified in the event of a discovery. The contractor shall be responsible for retaining qualified professionals, implementing recommended mitigation measures and documenting mitigation efforts in written reports to the City.	LS
Impact GEO-6: Access to Mineral Resources. There are no identified mineral resource areas on the project site.	NI	None required.	-
10.0 GREENHOUSE GAS EMISSIONS			
Impact GHG-1: Project GHG Construction Emissions and Consistency with Applicable Plans and Policies. Unmitigated construction GHG emissions would be reduced by mitigation and by compliance with applicable State and SJVAPCD rules and regulations.	PS	GHG-1: The project shall implement the Off-Road Vehicles Best Management Practices specified in the Stockton Climate Action Plan. At least three (3) percent of the construction vehicle and equipment fleet shall be powered by electricity. Construction equipment and vehicles shall not idle their engines for longer than three (3) minutes.	
Impact GHG-2: Project GHG Operational Emissions and Consistency with Applicable Plans and Policies. Unmitigated operational GHG emissions would be reduced by project features and compliance with regulations consistent with Stockton Climate Action Plan and with State and SJVAPCD plans.	LS	None required.	-
11.0 HAZARDS AND HAZARDOUS MATERIALS			
Impact HAZ-1: Hazardous Material Transportation and Storage. Proposed warehouses may store finished goods or raw materials considered hazardous. Compliance with	LS	None required.	-

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Potential Impact	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
applicable local, state, and federal regulations would minimize impacts.			
Impact HAZ-2: Hazardous Material Releases. Project construction and operations create a potential for hazardous material releases. The required SWPPP and other typical contractor practices shall minimize construction impacts. Compliance with applicable local, state, and federal regulations would minimize operational impacts. No schools are located within one-quarter mile of the project site.	LS	None required.	-
Impact HAZ-3: Hazardous Material Sites. No hazardous material sites were identified on or adjacent to project site. However, residual agricultural chemicals may exist on the Sanchez property. Mitigation would require assessment of the property and remediation if necessary.	LS	None required.	.
Impact HAZ-4: Airport Hazards. Proposed development would be consistent with allowable land uses in safety zones established in the Stockton Metropolitan Airport ALUCP.	LS	None required.	-
Impact HAZ-5: Interference with Emergency Vehicle Access and Evacuations. Neither project construction nor operations would require closure or any major restriction on use of adjacent streets.	LS	None required.	-
Impact HAZ-6: Wildfire Hazards. Project is in an urbanizing area that has been farmed intensively and has not been designated a fire hazard area by Cal Fire.	LS	None required.	-
Impact HAZ-7 (FINAL EIR): Aerially Deposited Lead. Lead-based compounds may be present in soils along roadways proposed for improvement as a part of the proposed project.	PS	HAZ-1: The applicant shall conduct limited soil testing along sections of Arch Road and Austin Road for the presence of lead-based compounds that exceed state health standards and take precautions as needed to prevent exposure of construction workers or the public from any associated health risks.	LS
12.0 HYDROLOGY AND WATER QUALITY			
Impact HYDRO-1: Surface Water Resources and Quality. Construction activities could loosen soils that could eventually enter nearby surface waters. Compliance with local water quality plans, permits, and regulations would minimize	LS	None required.	-

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Potential Impact	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
impacts.			
Impact HYDRO-2: Groundwater Resources and Quality. Project would be served by the City's water system, which relies in part om groundwater. Project can be accommodated from City's existing supplies without requiring additional groundwater. The project would not significantly affect recharge of local subbasin.	LS	None required.	-
Impact HYDRO-3: Drainage Patterns and Runoff. Project would alter existing drainage patterns and runoff volumes, but project features and connection to existing City storm drainage system would reduce impacts. Issues associated with water quality of runoff would be mitigated.	LS	None required.	-
Impact HYDRO-4: Release of Pollutants in Flood, Tsunami, and Seiche Zones. The project site is within a FEMA-designated 100-year floodplain; however, preparation and implementation of Hazardous Materials Business Plan would reduce potential release of hazardous materials during any floods. Project site is not within a 200-year flood zone. The project site would not be subject to flooding from dam or levee failure or from seiches or tsunamis.	LS	None required.	-
Impact HYDRO-5: Consistency with Water Quality and Groundwater Management Plans. The project would comply with applicable water quality plans. It is expected that future development would be required to comply with any adopted sustainable groundwater management plans.	LS	None required.	-
13.0 LAND USE, POPULATION, AND HOUSING			
Impact LUP-1: Division of Communities. The area surrounding the project site is a combination of vacant parcels, agricultural uses, and light industrial development. This does not constitute a community that could be divided by the project. The proposed project would not separate any similar land uses from one another.	NI	None required.	-
Impact LUP-2: Conflict with Applicable Plans, Policies, and Regulations. The project would be consistent with applicable land use plans of the City and County. Project may conflict	LS	None required.	-

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Potential Impact	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
with LAFCo policies preserving agricultural land, but property would be subject to the City's Agricultural Lands Mitigation Program. Also, the project site is within the City's sphere of influence, and the Sanchez property is within the 10-year planning horizon for the City of Stockton.			
Impact LUP-3: Inducement of Population Growth. While the commercial development would provide employment opportunities, these opportunities would be limited in number and are expected to be filled mainly by existing residents.	LS	None required.	-
Impact LUP-4: Displacement of Housing and People. The project site is vacant and has no housing or residents.	NI	None required.	-
14.0 NOISE			
Impact NOISE-1: Increase in Noise Levels in Excess of Standards-Traffic. Traffic generated under Existing Plus Approved Projects Plus Project conditions would minimally increase traffic noise levels along local roads.	LS	None required.	-
Impact NOISE-2: Increase in Noise Levels in Excess of Standards-Other Project Noise. Noise from trailer parking and truck loading/unloading would not substantially affect any nearby sensitive land uses.	LS	None required.	-
Impact NOISE-3: Increase in Noise Levels in Excess of Standards-Construction. Construction activities may potentially increase ambient noise at residences near the Hoggan property above City standards.	PS	NOISE-1: Construction activities shall adhere to the requirements of the City of Stockton Municipal Code with respect to hours of operation. The City shall limit construction activities on the Hoggan property to the hours of 7:00 a.m. to 10:00 p.m., Monday through Saturday, except for concrete pouring related to building construction. No construction shall occur on Sundays or national holidays without a written permit from the city. All equipment shall be in good working order and shall be fitted with factory-equipped mufflers. Should the project necessitate construction outside of the specified hours, the applicant shall request the Community Development Director's approval of such activities. The applicant shall accompany the request with evidence that the proposed activity will not create a noise disturbance across a residential property line	LS

Notes: PS = Potentially Significant, LS = Less than Significant, NI = No Impact

TABLE 2-1
SUMMARY OF IMPACTS AND MITIGATION MEASURES

Potential Impact	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
Impact NOISE-4: Groundborne Vibrations. Earth-moving equipment may generate some groundborne vibrations, but not at levels perceptible by sensitive receptors.	LS	None required.	-
Impact NOISE-5: Airport and Airstrip Noise. The project site is outside noise contours established by the Stockton Metropolitan Airport ALUCP. No private airstrips are in the vicinity.	NI	None required.	-
15.0 PUBLIC SERVICES AND RECREATION			
Impact PSR-1: Fire Protection Service. New or expanded facilities may be required in the future, but project would not trigger this requirement. Public Facility Fees will be paid, and future facilities would be subject to CEQA review. Sprinkler systems required by mitigation would control potential fires while Stockton Fire Department responds to calls.	PS	PSR-1: The developer shall incorporate Early Suppression Fast Response fire sprinkler systems in the project building design and construction. The Stockton Fire Department shall review and approve such systems prior to their installation.	LS
Impact PSR-2: Police Protection Services. New or expanded facilities may be required in the future, but project would not trigger this requirement. Public Facility Fees will be paid, and future facilities would be subject to CEQA review.	LS	None required.	-
Impact PSR-3: Schools. The project involves industrial development, which does not directly generate new student load. New industrial development would be responsible for the payment of school impact fees.	LS	None required.	-
Impact PSR-4: Parks and Recreational Services. The project would not involve any direct effects on parks or recreational facilities, nor would it generate a demand for new or expanded recreational facilities or services.	LS	None required.	-
Impact PSR-5: Other Public Facilities. The project would not generate additional demand for library, hospital, and courthouse services, and therefore would not require new or expanded facilities.	LS	None required.	-

Notes: PS = Potentially Significant, LS = Less than Significant, NI = No Impact

Potential Impact	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
16.0 TRANSPORTATION			
Impact TRANS-1: Consistency with CEQA Guidelines Section 15064.3(b). Compared with existing land use designations, the project would generate less VMT and would therefore be consistent with CEQA Guidelines.	LS	None required.	-
Impact TRANS-2: Motor Vehicle Transportation Plans-Intersections. Under Existing Plus Approved Projects Plus Project conditions, only three intersections affected by the project would not operate at LOS above minimally acceptable City of Stockton standards. However, one of these facilities would operate within standards of the City's Transportation Impact Guidelines with implementation of mitigation. Mitigation is not feasible at the other two facilities, so impacts at these facilities would be significant and unavoidable.	LS/PS	Less than significant (proposed project), Significant and unavoidable (Market Driven Project) TRANS-1: The project applicant shall contribute fair-share costs to the installation of a traffic signal at the intersection of Arch Road and Frontier Way and related improvements. If needed to meet short-term traffic needs, the City may require applicant to design and construct the signal, subject to reimbursement. The project applicant shall submit a traffic analysis for the City's approval to determine if the intersection improvements can be aligned with development related impacts should the proposed site be constructed in phases. Significance After Mitigation (Market Driven Project): Less than significant at the Arch Road/Frontier Way intersection, but significant and unavoidable at the Arch-Airport Road & State Route 99 Ramps and Arch Road & SR 99 East Frontage Road intersections.	LS/SU
Impact TRANS-3: Motor Vehicle Transportation Plans-Roadway Segments. Under Existing Plus Approved Projects Plus Project conditions, only two roadway segments affected by the project would not operate at LOS above minimally acceptable City of Stockton standards. However, these facilities would operate within standards of the City's Transportation Impact Guidelines. No mitigation is required, and project would not conflict significantly with motor vehicle transportation plans.	LS	None required.	-
Impact TRANS-4: Motor Vehicle Transportation Plans-Ramp Junctions. Under Existing Plus Approved Projects Plus Project conditions, three ramp junctions affected by the project would not operate at LOS above minimally acceptable City of Stockton standards. However, these facilities would operate within standards of the City's Transportation Impact	LS	None required.	-

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Potential Impact	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
Guidelines. No mitigation is required, and project would not conflict significantly with motor vehicle transportation plans.			
Impact TRANS-5: Motor Vehicle Transportation Plans-Truck Routes. Project would not affect existing truck routes and would not conflict significantly with motor vehicle transportation plans applicable to trucks.	LS	None required.	-
Impact TRANS-6: Conflicts with Non-Motor Vehicle Transportation Plans. The project would not conflict with non-motor vehicle transportation plans or their implementation.	LS	None required.	-
Impact TRANS-7: Safety Hazards. The traffic impact study did not identify any traffic hazards that would result from the project. Project construction would involve routine but potential traffic hazards, but contractors will be required to provide traffic safety control as warranted.	LS	None required.	-
Impact TRANS-8: Emergency Access. Adequate emergency access would be provided to the project site.	LS	None required.	-
17.0 UTILITIES AND ENERGY			
Impact UTIL-1: Wastewater Services and Facilities. City has adequate capacity at its treatment plant to accommodate project. Existing sewer lines are in vicinity and are adequately sized.	LS	None required.	-
Impact UTIL-2: Water Services and Facilities. City has adequate water supplies for project. Existing water lines are in vicinity.	LS	None required.	-
Impact UTIL-3: Stormwater Services and Facilities. Additional drainage can be accommodated with no significant impacts.	LS	None required.	-
Impact UTIL-4: Solid Waste. The project would not generate a substantial demand for solid waste services. Existing landfills in the County would have adequate capacity to accommodate project solid waste. The project would comply with applicable federal, state and local statutes and	LS	None required.	-

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Potential Impact	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
regulations related to solid waste.			
Impact UTIL-5: Energy and Telecommunications Facilities. Existing electrical, natural gas, and telephone lines are available near the project site.	LS	None required.	-
Impact UTIL-6: Project Energy Consumption. The project would not consume energy in a manner that is wasteful, inefficient, or unnecessary.	LS	None required.	-

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3.0 COMMENTS ON DRAFT EIR AND LEAD AGENCY RESPONSES TO COMMENTS

This chapter displays the written comments received by the City during the public review period for the Sanchez-Hoggan Annexation Draft EIR. This chapter also displays two comment letters that were submitted after the close of the review period; both agencies, The San Joaquin Valley Air Pollution Control District and the California Air Resources Board submitted specific requests to the City to provide short extensions of the review period. The Lead Agency's written responses to those comments, are provided following each comment letter.

A total of seven written communications, including both emails and letters, from public agencies, organizations and individual were received during the review period. A list of agencies and organizations submitting written comments is shown below. The City's responses to substantive comments were provided to the commenting agencies at least 10 days before the planned certification of this document.

Comments Received on the Public Review Draft SEIR

1. State Clearinghouse. Review Period Closing Letter.
2. CA Department of Toxic Substances Control. Comment Letter.
3. State Water Resources Control Board. Comment Letter.
4. San Joaquin Valley Air Pollution Control District. Comment Letter.
5. California Air Resources Board. Comment Letter.
6. United Auburn Indian Community. Email Comment.
7. Northern Valley Yokuts Tribe. NOP Comment Email.

CEQA Guidelines Section 15088 states that the Lead Agency's responses shall describe the disposition of significant environmental issues raised in comments on the Draft EIR. In particular, the major environmental issues raised when the Lead Agency's position is at variance with recommendations and objections raised in the comments must be addressed in detail, giving reasons why specific comments and suggestions were not accepted. There must be good-faith, reasoned analysis in response to comments; conclusory statements unsupported by factual information are not sufficient.

The written comments received on the Draft EIR are shown on the following pages. Each comment document is followed by the Lead Agency's response(s) to the individual

comments made in each document, in sequence. Each comment document is assigned a number code, shown above, and each substantive comment within the numbered letter is assigned an alphabetical code. Thus, each comment has a unique code made up of the letter number and the comment code. For example, comment "2A" is the first comment made by the California Department of Toxic Substances Control.

Sanchez-Hoggan Annexation Project

Summary

SCH Number 2020020006

Lead Agency Stockton, City of *(City of Stockton)*

Document Title Sanchez-Hoggan Annexation Project

Document Type EIR - Draft EIR

Received 3/6/2020

Project Applicant CT Realty

Present Land Use Stockton General Plan designation: Industrial. San Joaquin County Zoning: Agriculture AG-40

Document Description Development of two properties for industrial warehousing and distribution use. Both are adjacent to existing approved and partially-developed Norcal Logistics Center. Project would include buildings, site improvements, off-site road and utility improvements, on-site storm drainage detention and pumping facilities.

Contact Information Matt Diaz
City of Stockton Community Development Department
345 N El Dorado St
Stockton, CA 95202
Phone : (209) 937-8598
matt.diaz@stocktonca.gov

Location

Coordinates 37°54'30"N 121°11'18"W

Cities Stockton

Counties San Joaquin

Cross Streets Arch Road and Austin Road

Zip 95215

Total Acres 169.77

Parcel # 181-100-09, 179-200-27

State Highways 99

Railways BNSF

Airports Stockton

Waterways North Littlejohns Creek, Weber Slough

Township 1N

Range 7E
Base MDBM
Other Location Info Section: 27, 59, 60

Notice of Completion

Review Period Start 3/6/2020
Review Period End 4/20/2020
Development Type Industrial (3.1 million Sq. Ft., 169.77 Acres)
Local Action Site Plan | Prezone | Annexation | Williamson Act Contract
Project Issues Aesthetic/Visual | Agricultural Land | Air Quality | Archeologic-Historic | Biological Resources | Drainage/Absorption | Flood Plain/Flooding | Geologic/Seismic | Noise | Public Services | Sewer Capacity | Soil Erosion/Compaction/Grading | Solid Waste | Toxic/Hazardous | Traffic/Circulation | Vegetation | Water Quality | Water Supply | Wetland/Riparian | Growth Inducing | Land Use | Cumulative Effects
Reviewing Agencies California Air Resources Board | California Department of Conservation | California Department of Fish and Wildlife, Bay Delta Region 3 | California Department of Fish and Wildlife, Central Region 4 | California Department of Fish and Wildlife, North Central Region 2 | California Department of Parks and Recreation | California Department of Resources Recycling and Recovery | California Department of Transportation, District 10 | California Department of Transportation, Division of Aeronautics | California Department of Water Resources | California Highway Patrol | California Native American Heritage Commission | California Natural Resources Agency | California Public Utilities Commission | California State Lands Commission | Central Valley Flood Protection Board | Department of Corrections | Office of Historic Preservation | State Water Resources Control Board, Division of Water Quality | Department of Toxic Substances Control | California Regional Water Quality Control Board, Central Valley Sacramento Region 5

Attachments

Environmental Document
- 1 NOC Filled PDF (PDF 272 K)
- 2 NOC signed (PDF 1280 K)
- 3 NOA (PDF 39 K)
- 4 SCH Summary Form (PDF 615 K)
- 5 SANCHEZ HOGGAN DEIR 3-6-2020 (PDF 158376 K)
- 6 ALL SANCHEZ HOGGAN APPENDICES 3-6-2020 (PDF 33947 K)

State Comments
- 2020020006_DTSC Comment (PDF 118 K)
- 2020020006_RWQCB Comment (PDF 272 K)

Disclaimer: The Governor's Office of Planning and Research (OPR) accepts no responsibility for the content or accessibility of these documents. To obtain an attachment in a different format, please contact the lead agency at the contact information listed above. You may also contact the OPR via email at state.clearinghouse@opr.ca.gov or via phone at (916) 445-0613. For more information, please visit OPR's Accessibility Site.

Responses to Comment #1, State Clearinghouse Notification

Response 1A: The State Clearinghouse notification verifies that public review of the Sanchez-Hoggan EIR at the State level was conducted and ended April 22, 2020. The letter identifies the state agencies commenting on the EIR. The State Clearinghouse letter finds that the CEQA public review requirements for the EIR have been met at the State level. The letter does not otherwise comment on the EIR content or CEQA process, and no further response is necessary.

Department of Toxic Substances Control

Meredith Williams, Ph.D.
Director
8800 Cal Center Drive
Sacramento, California 95826-3200

Jared Blumenfeld
Secretary for
Environmental Protection

Gavin Newsom
Governor

April 9, 2020

Mr. Matt Diaz
City of Stockon
Community Development Department
345 N. El Dorado Street
Stockton, California 95202

DRAFT ENVIRONMENTAL IMPACT REPORT FOR THE SANCHEZ-HOGGAN ANNEXATION PROJECT – DATED MARCH 6, 2020 (STATE CLEARINGHOUSE NUMBER: 2020020006)

Dear Mr. Diaz:

The Department of Toxic Substances Control (DTSC) received a Draft Environmental Impact Report (EIR) for the Sanchez-Hoggan Annexation Project. The Project includes development of two properties for industrial warehousing and distribution use. Both are adjacent to the existing, approved and partially developed Norcal Logistics Center. The Project would include buildings, site improvements, off-site road and utility improvements, and on-site storm drainage detention and pumping facilities.

DTSC recommends that the following issues be evaluated in the EIR Hazards and Hazardous Materials section:

1. The EIR should acknowledge historic or future activities on or near the project site that may have the potential to result in the release of hazardous wastes/substances on the project site. In instances in which releases have occurred or may occur, further studies should be carried out to delineate the nature and extent of the contamination, and the potential threat to public health and/or the environment should be evaluated. The EIR should also identify the mechanism(s) to initiate any required investigation and/or remediation and the government agency who will be responsible for providing appropriate regulatory oversight. 2A
2. Refiners in the United States started adding lead compounds to gasoline in the 1920s in order to boost octane levels and improve engine performance. This practice did not officially end until 1992 when lead was banned as a fuel additive in California. Tailpipe emissions from automobiles using leaded gasoline contained lead and resulted in aerially deposited lead (ADL) being deposited in 2B

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COMMENT NO. 2
CA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

and along roadways throughout the state. ADL-contaminated soils still exist along roadsides and medians and can also be found underneath some existing road surfaces due to past construction activities. Due to the potential for ADL-contaminated soil DTSC, recommends collecting soil samples for lead analysis prior to performing any intrusive activities for the project described in the EIR.

3. If buildings or other structures will be demolished on any project sites included in the proposed project, surveys should be conducted for the presence of lead-based paints or products, mercury, asbestos containing materials, and polychlorinated biphenyl caulk. Removal, demolition and disposal of any of the above-mentioned chemicals should be conducted in compliance with California environmental regulations and policies. In addition, sampling near current and/or former buildings should be conducted in accordance with DTSC's 2006 *Interim Guidance Evaluation of School Sites with Potential Contamination from Lead Based Paint, Termiticides, and Electrical Transformers* (https://dtsc.ca.gov/wpcontent/uploads/sites/31/2018/09/Guidance_Lead_Contamination_050118.pdf). 2C

4. If any projects initiated as part of the proposed project require the importation of soil to backfill any excavated areas, proper sampling should be conducted to ensure that the imported soil is free of contamination. DTSC recommends the imported materials be characterized according to *DTSC's 2001 Information Advisory Clean Imported Fill Material* (https://dtsc.ca.gov/wp-content/uploads/sites/31/2018/09/SMP_FS_Cleanfill-Schools.pdf). 2D

5. If any sites included as part of the proposed project have been used for agricultural, weed abatement or related activities, proper investigation for organochlorinated pesticides should be discussed in the EIR. DTSC recommends the current and former agricultural lands be evaluated in accordance with DTSC's 2008 *Interim Guidance for Sampling Agricultural Properties (Third Revision)* (https://dtsc.ca.gov/wp-content/uploads/sites/31/2018/09/Ag-Guidance-Rev-3-August-7-2008-2.pdf). 2E

DTSC appreciates the opportunity to comment on the EIR. Should you need any assistance with an environmental investigation, please submit a request for Lead Agency Oversight Application, which can be found at: https://dtsc.ca.gov/wp-content/uploads/sites/31/2018/09/VCP_App-1460.doc. Additional information regarding voluntary agreements with DTSC can be found at: https://dtsc.ca.gov/brownfields/.

COMMENT NO. 2
CA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

If you have any questions, please contact me at (916) 255-3710 or via email at Gavin.McCreary@dtsc.ca.gov.

Sincerely,



Gavin McCreary
Project Manager
Site Evaluation and Remediation Unit
Site Mitigation and Restoration Program
Department of Toxic Substances Control

cc: (via email)

Governor's Office of Planning and Research
State Clearinghouse
State.Clearinghouse@opr.ca.gov

Ms. Lora Jameson, Chief
Site Evaluation and Remediation Unit
Department of Toxic Substances Control
Lora.Jameson@dtsc.ca.gov

Mr. Dave Kereazis
Office of Planning & Environmental Analysis
Department of Toxic Substances Control
Dave.Kereazis@dtsc.ca.gov

COMMENT NO. 2
CA DEPARTMENT OF TOXIC SUBSTANCES CONTRO

Responses to Comment #2, California Department of Toxic Substances Control Letter

Response 2A: The DTSC comment addresses a range of subjects related to possible existing or potential future contamination of the project site. The Public Review Draft EIR contained a detailed analysis of these concerns in Chapter 11.0 Hazards, indicating that, although the project vicinity is industrialized, the site itself does not appear on hazardous material and waste databases. Applicable hazardous material and waste regulations are described in the DEIR beginning on page 11-3, and potential concerns related to organochlorine pesticides were addressed on page 11-9 and found to the less than significant.

Additional information has been received from the applicant with respect to potential organochlorinated pesticide contamination that confirms the conclusion of the Draft EIR. As noted in Response 2E, the project site was the subjected of a Phase I Environmental Site Assessment, including soil testing, that concluded that pesticide residues were not present on the site at concentrations that would pose a human health risk in light of the proposed industrial use of the property. Section 4.0 Errata contains a more detailed summary of the Phase I ESA, and the ESA itself is shown in Appendix III of this Final EIR.

Response 2B: DTSC addresses the potential contamination of roadside areas with aerially-deposited lead (ADL). Significant contamination along project area roads is not expected since the project area was not extensively developed until after lead was banned, but analysis of this potential concern is incorporated into the EIR in Section 4.0 Errata of this Final EIR. Section 4.0 acknowledges the possibility of ADL contamination and includes a mitigation measure requiring limited soil testing for the presence of ADL in roadside areas prior to the issuance of grading permits for the project. This mitigation measure is also shown on page 2-12 of this Final EIR.

Response 2C: Existing structures on the project site are limited to one existing residence in the northeastern portion of the Hoggan site. If this residence is proposed to be demolished, the City will require a Demolition Permit. As a part of processing the Demolition Permit, the City will require the applicant to obtain a Rule 4002 permit from the San Joaquin Valley Air Pollution Control District pursuant to the EPA National Emission Standards for Hazardous Air Pollutants (NESHAP) program. The Rule 4002 permit will specify standards that would need to be met in conjunction with removal and proper disposal of hazardous material.

Response 2D: It is anticipated that any fill material imported to the project site will be obtained from clean commercial sources or subjected to testing to ensure that imported fill materials are not contaminated.

Response 2E: As reported in Response 2A and Section 4.0 Errata, the project was the subject of an Phase I Environmental Site Assessment, shown in Appendix III, which included soil testing to determine whether organochlorine pesticide residues occur at levels that might involve a health risk to project development. The Phase I concluded that the historical agricultural use of the property does not represent a Recognized Environmental Condition and that organochlorine pesticides were not present at levels that would involve a human health risk in light of the proposed industrial use of the property. For additional detail, see Section 4.0 and Appendix III.

16 April 2020

Matt Diaz
City of Stockton
Community Development Department
345 North El Dorado Street
Stockton, CA 95202

COMMENTS TO REQUEST FOR REVIEW FOR THE DRAFT ENVIRONMENTAL IMPACT REPORT, SANCHEZ-HOGGAN ANNEXATION PROJECT, SCH#2020020006, SAN JOAQUIN COUNTY

Pursuant to the State Clearinghouse's 6 March 2020 request, the Central Valley Regional Water Quality Control Board (Central Valley Water Board) has reviewed the *Request for Review for the Draft Environmental Impact Report* for the Sanchez-Hoggan Annexation Project, located in San Joaquin County.

Our agency is delegated with the responsibility of protecting the quality of surface and groundwaters of the state; therefore our comments will address concerns surrounding those issues.

I. Regulatory Setting

Basin Plan

The Central Valley Water Board is required to formulate and adopt Basin Plans for all areas within the Central Valley region under Section 13240 of the Porter-Cologne Water Quality Control Act. Each Basin Plan must contain water quality objectives to ensure the reasonable protection of beneficial uses, as well as a program of implementation for achieving water quality objectives with the Basin Plans. Federal regulations require each state to adopt water quality standards to protect the public health or welfare, enhance the quality of water and serve the purposes of the Clean Water Act. In California, the beneficial uses, water quality objectives, and the Antidegradation Policy are the State's water quality standards. Water quality standards are also contained in the National Toxics Rule, 40 CFR Section 131.36, and the California Toxics Rule, 40 CFR Section 131.38.

The Basin Plan is subject to modification as necessary, considering applicable laws, policies, technologies, water quality conditions and priorities. The original Basin Plans were adopted in 1975, and have been updated and revised periodically as required, using Basin Plan amendments. Once the Central Valley Water Board has adopted a Basin Plan amendment in noticed public hearings, it must be approved by the State Water Resources Control Board (State Water Board), Office of

3A

COMMENT NO. 3
STATE WATER RESOURCES CONTROL BOARD

Administrative Law (OAL) and in some cases, the United States Environmental Protection Agency (USEPA). Basin Plan amendments only become effective after they have been approved by the OAL and in some cases, the USEPA. Every three (3) years, a review of the Basin Plan is completed that assesses the appropriateness of existing standards and evaluates and prioritizes Basin Planning issues. For more information on the *Water Quality Control Plan for the Sacramento and San Joaquin River Basins*, please visit our website:
http://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/

Antidegradation Considerations

All wastewater discharges must comply with the Antidegradation Policy (State Water Board Resolution 68-16) and the Antidegradation Implementation Policy contained in the Basin Plan. The Antidegradation Implementation Policy is available on page 74 at:
https://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/sacsjr_201805.pdf

In part it states:

Any discharge of waste to high quality waters must apply best practicable treatment or control not only to prevent a condition of pollution or nuisance from occurring, but also to maintain the highest water quality possible consistent with the maximum benefit to the people of the State.

This information must be presented as an analysis of the impacts and potential impacts of the discharge on water quality, as measured by background concentrations and applicable water quality objectives.

The antidegradation analysis is a mandatory element in the National Pollutant Discharge Elimination System and land discharge Waste Discharge Requirements (WDRs) permitting processes. The environmental review document should evaluate potential impacts to both surface and groundwater quality.

3B

II. Permitting Requirements

Construction Storm Water General Permit

Dischargers whose project disturb one or more acres of soil or where projects disturb less than one acre but are part of a larger common plan of development that in total disturbs one or more acres, are required to obtain coverage under the General Permit for Storm Water Discharges Associated with Construction Activities (Construction General Permit), Construction General Permit Order No. 2009-009-DWQ. Construction activity subject to this permit includes clearing, grading, grubbing, disturbances to the ground, such as stockpiling, or excavation, but does not include regular maintenance activities performed to restore the original line, grade, or capacity of the facility. The Construction General Permit requires the development and implementation of a Storm Water Pollution Prevention Plan (SWPPP). For more information on the Construction General Permit, visit the State Water Resources Control Board website at:
http://www.waterboards.ca.gov/water_issues/programs/stormwater/constpermits.shtml

3C

COMMENT NO. 3
STATE WATER RESOURCES CONTROL BOARD

Phase I and II Municipal Separate Storm Sewer System (MS4) Permits[1]

The Phase I and II MS4 permits require the Permittees reduce pollutants and runoff flows from new development and redevelopment using Best Management Practices (BMPs) to the maximum extent practicable (MEP). MS4 Permittees have their own development standards, also known as Low Impact Development (LID)/post-construction standards that include a hydromodification component. The MS4 permits also require specific design concepts for LID/post-construction BMPs in the early stages of a project during the entitlement and CEQA process and the development plan review process.

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For more information on which Phase I MS4 Permit this project applies to, visit the Central Valley Water Board website at: http://www.waterboards.ca.gov/centralvalley/water_issues/storm_water/municipal_permits/

For more information on the Phase II MS4 permit and who it applies to, visit the State Water Resources Control Board at: http://www.waterboards.ca.gov/water_issues/programs/stormwater/phase_ii_municipal.shtml

Industrial Storm Water General Permit

Storm water discharges associated with industrial sites must comply with the regulations contained in the Industrial Storm Water General Permit Order No. 2014-0057-DWQ. For more information on the Industrial Storm Water General Permit, visit the Central Valley Water Board website at: http://www.waterboards.ca.gov/centralvalley/water_issues/storm_water/industrial_general_permits/index.shtml

3E

Clean Water Act Section 404 Permit

If the project will involve the discharge of dredged or fill material in navigable waters or wetlands, a permit pursuant to Section 404 of the Clean Water Act may be needed from the United States Army Corps of Engineers (USACE). If a Section 404 permit is required by the USACE, the Central Valley Water Board will review the permit application to ensure that discharge will not violate water quality standards. If the project requires surface water drainage realignment, the applicant is advised to contact the Department of Fish and Game for information on Streambed Alteration Permit requirements. If you have any questions regarding the Clean Water Act Section 404 permits, please contact the Regulatory Division of the Sacramento District of USACE at (916) 557-5250.

3F

Clean Water Act Section 401 Permit – Water Quality Certification

If an USACE permit (e.g., Non-Reporting Nationwide Permit, Nationwide Permit, Letter of Permission, Individual Permit, Regional General Permit, Programmatic General Permit), or any other federal permit (e.g., Section 10 of the Rivers and

[1] Municipal Permits = The Phase I Municipal Separate Storm Water System (MS4) Permit covers medium sized Municipalities (serving between 100,000 and 250,000 people) and large sized municipalities (serving over 250,000 people). The Phase II MS4 provides coverage for small municipalities, including non-traditional Small MS4s, which include military bases, public campuses, prisons and hospitals.

COMMENT NO. 3
STATE WATER RESOURCES CONTROL BOARD

Harbors Act or Section 9 from the United States Coast Guard), is required for this project due to the disturbance of waters of the United States (such as streams and wetlands), then a Water Quality Certification must be obtained from the Central Valley Water Board prior to initiation of project activities. There are no waivers for 401 Water Quality Certifications. For more information on the Water Quality Certification, visit the Central Valley Water Board website at: https://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_certification/

Waste Discharge Requirements – Discharges to Waters of the State

If USACE determines that only non-jurisdictional waters of the State (i.e., "non-federal" waters of the State) are present in the proposed project area, the proposed project may require a Waste Discharge Requirement (WDR) permit to be issued by Central Valley Water Board. Under the California Porter-Cologne Water Quality Control Act, discharges to all waters of the State, including all wetlands and other waters of the State including, but not limited to, isolated wetlands, are subject to State regulation. For more information on the Waste Discharges to Surface Water NPDES Program and WDR processes, visit the Central Valley Water Board website at:https://www.waterboards.ca.gov/centralvalley/water_issues/waste_to_surface_water/ 3G

Projects involving excavation or fill activities impacting less than 0.2 acre or 400 linear feet of non-jurisdictional waters of the state and projects involving dredging activities impacting less than 50 cubic yards of non-jurisdictional waters of the state may be eligible for coverage under the State Water Resources Control Board Water Quality Order No. 2004-0004-DWQ (General Order 2004-0004). For more information on the General Order 2004-0004, visit the State Water Resources Control Board website at: https://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2004/wqo/wqo2004-0004.pdf

Dewatering Permit

If the proposed project includes construction or groundwater dewatering to be discharged to land, the proponent may apply for coverage under State Water Board General Water Quality Order (Low Threat General Order) 2003-0003 or the Central Valley Water Board's Waiver of Report of Waste Discharge and Waste Discharge Requirements (Low Threat Waiver) R5-2018-0085. Small temporary construction dewatering projects are projects that discharge groundwater to land from excavation activities or dewatering of underground utility vaults. Dischargers seeking coverage under the General Order or Waiver must file a Notice of Intent with the Central Valley Water Board prior to beginning discharge. 3H

For more information regarding the Low Threat General Order and the application process, visit the Central Valley Water Board website at: http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2003/wqo/wqo2003-0003.pdf

For more information regarding the Low Threat Waiver and the application process, visit the Central Valley Water Board website at:

COMMENT NO. 3
STATE WATER RESOURCES CONTROL BOARD

https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/waivers/r5-2018-0085.pdf

Limited Threat General NPDES Permit

If the proposed project includes construction dewatering and it is necessary to discharge the groundwater to waters of the United States, the proposed project will require coverage under a National Pollutant Discharge Elimination System (NPDES) permit. Dewatering discharges are typically considered a low or limited threat to water quality and may be covered under the General Order for *Limited Threat Discharges to Surface Water* (Limited Threat General Order). A complete Notice of Intent must be submitted to the Central Valley Water Board to obtain coverage under the Limited Threat General Order. For more information regarding the Limited Threat General Order and the application process, visit the Central Valley Water Board website at: https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/general_orders/r5-2016-0076-01.pdf

3H

NPDES Permit

If the proposed project discharges waste that could affect the quality of surface waters of the State, other than into a community sewer system, the proposed project will require coverage under a National Pollutant Discharge Elimination System (NPDES) permit. A complete Report of Waste Discharge must be submitted with the Central Valley Water Board to obtain a NPDES Permit. For more information regarding the NPDES Permit and the application process, visit the Central Valley Water Board website at: https://www.waterboards.ca.gov/centralvalley/help/permit/

3I

If you have questions regarding these comments, please contact me at (916) 464-4856 or Nicholas.White@waterboards.ca.gov.

Nicholas White
Water Resource Control Engineer

cc: State Clearinghouse unit, Governor's Office of Planning and Research, Sacramento (via email)

COMMENT NO. 3
STATE WATER RESOURCES CONTROL BOARD

Responses to Comment #3, Central Valley Regional Water Quality Control Board Letter

Response 3A: This comment describes the CVRWQCB's obligation to prepare a Basin Plan that defines beneficial uses, water quality objectives and standards for all waters within the region pursuant to the Clean Water Act and other applicable statutes and regulations. The Basin Plan and associated policies are the agency's primary regulatory tool. This comment provides additional information to the analysis of Hydrology and Water Quality in the EIR but raises no substantive concern regarding the EIR or its content, and no further response is required.

Response 3B: This comment outlines the State's antidegradation policies and standards with respect to water quality. Again, this comment provides additional information related to Hydrology and Water Quality but raises no substantive concern regarding the EIR, and no further response is required.

Response 3C: This comment describes State regulatory authority related to construction storm water quality but makes no comment on the EIR, and no response is necessary. The Draft EIR discusses these requirements in Chapter 12.0 Hydrology and Water Quality, including a description of the City's adopted Storm Water Management Plan and implementing ordinances, which incorporates State construction water quality requirements and applies them to development within the City's purview. This comment provides additional information but raises no substantive concern regarding the EIR, and no further response is required.

Response 3D: This comment briefly describes the State's Phase I and II MS4 permits for control of runoff and water pollution from new development. The City of Stockton is an MS4 permittee and has adopted required development standards, which are discussed in Chapter 12.0 Hydrology and Water Quality of the EIR. This comment provides additional information to the EIR discussion of these concerns but provides no comment on the EIR itself, and no response is necessary.

Response 3E: This comment describes the State's Industrial Storm Water General Permit Order as related to storm water discharges from industrial sites. As discussed in the EIR, the project will be subject to Industrial General Permit requirements. The State's comment makes no specific comment with respect to the EIR; no response is necessary.

Response 3F: This comment describes the regulatory requirements of Clean Water Act Sections 404 and 401 related to dredging and fill in navigable Waters of the U. S. and wetlands, administered by the U.S. Army

Corps of Engineers. The project will involve work within Waters of the U.S., and the Draft EIR describes the applicable Section 404 and 401 requirements in Chapter 7.0 Biological Resources. Again, this comment does not specifically address the EIR, and no response is necessary. Chapter 7.0 Biological Resources and Chapter 12.0 Hydrology and Water Quality of the EIR describe the Waters and wetlands located within the project area and potentially subject to disturbance. Biological Resources mitigation measures shown in Table 2-1 of this Final EIR would require that Section 404 and 401 permits be obtained prior to construction within Corps jurisdiction.

Response 3G: The comment describes State Waste Discharge Requirements (WDRs) that may be needed when a project involves discharges to non-federal Waters of the State, including certain wetlands. Since the project would involve potential work in federal jurisdictional Waters, this requirement is not expected to come into play with respect to the project. This comment provides additional information related to State water quality requirements but does not address any specific waters that may require State consideration, does not address the content of the EIR, and no response is necessary.

Response 3H: This comment addresses State water quality permit requirements related to discharges of dewatering wastewater to land. These requirements would apply to project construction in the event that groundwater is intercepted; however, typical groundwater levels are 70-80 feet below the ground surface, and groundwater interception in conjunction with this is not anticipated.

Response 3I: The comment describes State Waste Discharge Requirements (WDR's) that may be imposed when project involves direct discharges to surface waters. No discharges from the project are anticipated. Storm waters and wastewater would be discharged via existing permitted collection systems subject to the City's existing storm water permit and wastewater treatment WDRs. Again, this comment does not address any specific discharges or waters that may require State consideration in WDRs and does not address the content of the EIR. No further response is necessary.

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

April 23, 2020

Matt Diaz
City of Stockton
Community Development Department
Planning and Engineering Division
345 North El Dorado Street
Stockton, CA 95202

Project: Draft Environmental Impact Report for the Sanchez-Hoggan Annexation Project (P-19-0691)

District CEQA Reference No: 20200215

Dear Mr. Diaz:

The San Joaquin Valley Unified Air Pollution Control District (District) has reviewed the Draft Environmental Impact Report (Draft EIR) for the Sanchez-Hoggan Annexation Project consisting of an annexation and pre-zoning of two parcels for the purpose of constructing "high-cube" warehouses totaling 3,087,388 square feet of light industrial development (Project). The two parcels includes the Sanchez property (APN: 181-100-09, 149.01 acres) and the Hoggan property (APN: 179-200-27, 20.76 acres). The Sanchez property is located at the northwest corner of Arch Road and Austin Road and the Hoggan property is located between North Littlejohns Creek and Gold River Lane adjacent to the City of Stockton, CA. The District offers the following comments:

1. **Project Trip Length Assumption for Off-Site Heavy-Heavy Duty Truck Travel**

   The District recommends the Lead Agency re-evaluate the trip length distance for off-site heavy-heavy duty truck (HHD Truck) travel and further reflect this in the air quality analysis for consistency.

   Currently, the Draft EIR does not characterize an appropriate trip length distance for off-site HHD Truck travel. Based on the following factors: 1) the Project consists of "high cube" warehouses (potential distribution), which typically involves a high volume of HHD Truck trip generation and 2) HHD Trucks generally travel further distances for distribution, it appears unreasonable to incorporate a default trip length assumption (i.e.: 7.3 miles for delivery trips) as reflected in the California Emissions Estimator Model

4A

Samir Sheikh
Executive Director/Air Pollution Control Officer

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COMMENT NO. 4
SAN JOAQUIN VALLEY APCD

(CalEEMod) analysis in Appendix B (Air Quality Modeling Results). Therefore, the District recommends the Draft EIR be revised to include a discussion characterizing an appropriate trip length distance for off-site HHD Truck travel and further be reflected in the air quality analysis for consistency.

2. Recommended Feasible Mitigation for Operational Air Quality Impacts

Based on the Project Draft EIR, operational air quality impacts may result in emissions exceeding the District significance thresholds. As such, the District recommends the Lead Agency consider all feasible mitigation, including the use of the cleanest available technologies for operational mobile source activities.

The San Joaquin Valley will not be able to attain stringent health-based federal air quality standards without significant reductions in emissions from HHD Trucks, the single largest source of NOx emissions in the San Joaquin Valley. The District recently adopted the 2018 PM2.5 Plan which includes significant new reductions from HHD Trucks, including emissions reductions by 2023 through the implementation of the California Air Resources Board (CARB) Statewide Truck and Bus Regulation, which requires truck fleets operating in California to meet the 2010 0.2 g/bhp-hr NOx standard by 2023. Additionally, to meet the federal air quality standards by the 2020 to 2024 attainment deadlines, the District's Plan relies on a significant and immediate transition of heavy duty truck fleets to zero or near-zero emissions technologies, including the near-zero truck standard of 0.02 g/bhp-hr NOx established by the California Air Resources Board. 4B

The Project consists of "high-cube" warehouse development which typically generates a high volume of HHD Truck traffic, including HHD Trucks traveling to-and-from further trip length distances for potential distribution. To reduce impacts from operational mobile source emissions, the District recommends that the following mitigation measures be considered for inclusion in the Final EIR:

- Require fleets associated with Project operational activities to utilize the cleanest available HHD truck technologies, including zero and near-zero (0.02 g/bhp-hr NOx) technologies as feasible.
- Require all on-site service equipment (cargo handling, yard hostlers, forklifts, pallet jacks, etc.) to utilize zero-emissions technologies as feasible.

3. Project Related Operational Emission Quantification

The District recommends the Draft EIR include quantification of Project related operational emission for on-site sources (i.e. forklifts and mobile yard trucks). 4C

The District is unable to verify if emission sources consisting of off-road equipment (i.e. forklifts) and on-road equipment (i.e. mobile yard trucks with ability to move potential containers) are included in the Project air quality analysis. As such, if not included, the

COMMENT NO. 4
SAN JOAQUIN VALLEY APCD

District recommends these emissions be quantified and reflected in the air quality analysis.

4. <u>Reducing Air Quality Impacts from Construction Activities</u>

Although the Draft EIR concludes construction emissions would be below the District's significance thresholds, the District recommends the Lead Agency consider measures to further lessen construction air quality impacts.

4D

To further reduce impacts from construction-related exhaust emissions and activities, the District recommends utilizing the cleanest reasonably available off-road construction fleets and practices (i.e. eliminating unnecessary idling).

5. <u>Voluntary Emission Reduction Agreement</u>

Criteria pollutant emissions may result in emissions exceeding the Districts significance thresholds, potentially resulting in a significant impact on air quality. The District recommends that the Draft EIR be revised to include a discussion on the feasibility of implementing a Voluntary Emission Reduction Agreement (VERA) for this Project. A VERA is a mitigation measure by which the project proponent provides pound-for-pound mitigation of emissions increases through a process that develops, funds, and implements emission reduction projects, with the District serving a role of administrator of the emissions reduction projects and verifier of the successful mitigation effort. To implement a VERA, the project proponent and the District enter into a contractual agreement in which the project proponent agrees to mitigate Project specific emissions by providing funds for the District's incentives programs. The funds are disbursed by the District in the form of grants for projects that achieve emission reductions. Thus, project-specific regional impacts on air quality can be fully mitigated. Types of emission reduction projects that have been funded in the past include electrification of stationary internal combustion engines (such as agricultural irrigation pumps), replacing old heavy-duty trucks with new, cleaner, more efficient heavy-duty trucks, and replacement of old farm tractors.

4E

In implementing a VERA, the District verifies the actual emission reductions that have been achieved as a result of completed grant contracts, monitors the emission reduction projects, and ensures the enforceability of achieved reductions. After the project is mitigated, the District certifies to the Lead Agency that the mitigation is completed, providing the Lead Agency with an enforceable mitigation measure demonstrating that project-specific regional emissions have been mitigated to less than significant. To assist the Lead Agency and project proponent in ensuring that the environmental document is compliant with CEQA, the District recommends the Draft EIR includes an assessment of the feasibility of implementing a VERA.

COMMENT NO. 4
SAN JOAQUIN VALLEY APCD

6. Ambient Air Quality Analysis (AAQA)

The District recommends that the Draft EIR be revised to include a discussion to determine if an Ambient Air Quality Analysis (AAQA) is required.

An AAQA uses air dispersion modeling to determine if emissions increases from a project will cause or contribute to a violation of the ambient air quality standards. The District recommends that an AAQA be performed for the Project if emissions exceed 100 pounds per day of any pollutant.

4F

If an AAQA is performed, the analysis should include emissions from both Project specific permitted and non-permitted equipment and activities. The District recommends consultation with District staff to determine the appropriate model and input data to use in the analysis. Specific information for assessing significance, including screening tools and modeling guidance is available online at the District's website: www.valleyair.org/ceqa.

7. Prioritization Assessment / Health Risk Assessment (HRA)

The District recommends the Lead Agency revise the prioritization analysis for assessing health impacts from the Project.

4G

On Page 6-15, the Draft EIR states that a prioritization was performed for the Hoggan portion of the Project and the prioritization score is zero. Since the prioritization score is below 10, the Hoggan portion would not be required to prepare a HRA. In addition, for the Sanchez portion of the Project, the Draft EIR qualitatively concluded that the health impacts would be less than significant. Based above, the Draft EIR concluded that the overall health impacts from the Project would be less than significant.

However, the District reviewed the prioritization assessment for the Hoggan portion and disagrees with the results presented in the Draft EIR for the following reasons:

- An incorrect Chemical Abstract Service Number (CAS#) of 9001 for Diesel Particulate Matter (DPM) emission was entered into the prioritization spreadsheet. As such, the prioritization did not calculate a risk. The correct CAS# for DPM is 9901.

- The prioritization only included operational DPM emissions. All emissions, including both construction and operational DPM emissions must be included in the prioritization.

The District re-calculated the prioritization score for this portion of the Project with the correct CAS# and determined the Project prioritization score exceeds 10.

COMMENT NO. 4
SAN JOAQUIN VALLEY APCD

In addition the District disagrees with the method consisting of assessing the health impacts from the Project by assessing each portion of the Project, Hoggan and Sanchez, separately.

Therefore, the District recommends that a refined Project-specific HRA be performed for the overall Project, including both, the Hoggan and the Sanchez portions.

Prior to performing an HRA, it is recommended that the Project proponent contact the District to review the proposed modeling protocol. The Project would be considered to have a significant health risk if the HRA demonstrates that the Project related health impacts would exceed the Districts significance threshold of 20 in a million for carcinogenic risk and 1.0 for the Acute and Chronic Hazard Indices, and would trigger all feasible mitigation measures. The District recommends that projects that result in a significant health risk not be approved. 4G

For HRA submittals, please provide the following information electronically to the District for review:

- HRA AERMOD model files
- HARP2 files
- Summary of emissions source locations, emissions rates, and emission factor calculations and methodology.

More information on toxic emission factors, prioritizations and HRAs can be obtained by:

- E-Mailing inquiries to: hramodeler@valleyair.org; or
- Contacting the District at (559) 230-6000 for assistance; or
- Visiting the District website (Modeling Guidance) at: http://www.valleyair.org/busind/pto/Tox_Resources/AirQualityMonitoring.htm.

8. District Rule 9510 Indirect Source Review (ISR)

The District recommends that an Air Impact Assessment (AIA) application be submitted for the Project at this time.

The Project is subject to District Rule 9510 because it exceeds the District's applicability threshold of 25,000 square feet of light industrial space. Any applicant subject to District Rule 9510 is required to submit an Air Impact Assessment (AIA) application to the District no later than applying for final project-level approval. If approval of the Project constitutes the last approval by your agency, the District recommends that demonstration of compliance with District Rule 9510, including payment of all applicable fees before issuance of the first building permit, be made a condition of Project approval. 4H

The purpose of District Rule 9510 (Indirect Source Review) is to reduce the growth in both NOx and PM10 emissions associated with development and transportation projects

COMMENT NO. 4
SAN JOAQUIN VALLEY APCD

from mobile and area sources associated with construction and operation of development projects. The rule encourages clean air design elements to be incorporated into the development project. In case the proposed project clean air design elements are insufficient to meet the targeted emission reductions, the rule requires developers to pay a fee used to fund projects to achieve off-site emissions reductions.

Information about how to comply with District Rule 9510 can be found online at: http://www.valleyair.org/ISR/ISRHome.htm.

The AIA application form can be found online at: http://www.valleyair.org/ISR/ISRFormsAndApplications.htm.

4H

9. District Rules and Regulations

This Project may be subject to the following District rules and regulations:

A. Certain equipment operating at the facility may require District permits. Prior to the start of construction, the Project proponent should contact the District's Small Business Assistance Office at (559) 230-5888 to determine if an Authority to Construct (ATC) is required.

B. The Project may also be subject to the following District rules: Regulation VIII, (Fugitive PM10 Prohibitions), Rule 4102 (Nuisance), Rule 4601 (Architectural Coatings), and Rule 4641 (Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operations). In the event an existing building will be renovated, partially demolished or removed, the Project may be subject to District Rule 4002 (National Emission Standards for Hazardous Air Pollutants).

C. The Project may be subject to District Rule 9410 (Employer Based Trip Reduction) if the Project would result in employment of 100 or more "eligible" employees. District Rule 9410 requires employers with 100 or more "eligible" employees at a worksite to establish an Employer Trip Reduction Implementation Plan (eTRIP) that encourages employees to reduce single-occupancy vehicle trips, thus reducing pollutant emissions associated with work commutes. Under an eTRIP plan, employers have the flexibility to select the options that work best for their worksites and their employees. Information about how District Rule 9410 can be found online at: www.valleyair.org/tripreduction.htm.

   For additional information, you can contact the District by phone at 559-230-6000 or by e-mail at etrip@valleyair.org.

D. If you should have any questions about District rules or regulations that may apply to this Project, such as air quality permitting, we strongly encourage you to contact the District's Small Business Assistance Office at (559) 230-5888. Current District rules can be found online at: www.valleyair.org/rules/1ruleslist.htm.

4I

COMMENT NO. 4
SAN JOAQUIN VALLEY APCD

If you have any questions or require further information, please contact Sharla Yang at (559) 230-6000 or by e-mail at Sharla.Yang@Valleyair.org.

Sincerely,

Arnaud Marjollet
Director of Permit Services

AM: sy

COMMENT NO. 4
SAN JOAQUIN VALLEY APCD

Response to Comment #4, Letter from San Joaquin Valley Air Pollution Control District

Response 4A: BaseCamp and its subcontractors have researched potential sources for HHD truck trip lengths and found little citable information. The most citable source is found in EMFAC2017, which indicates an estimated HHD trip length of approximately 11 miles. BaseCamp has additionally consulted with SJVAPCD staff to determine whether the District has other sources of information on HHD trip length that might be applicable and found that the APCD could make no other data available.

An additional CalEEMod model run (shown in FEIR Appendix IV) was conducted in conjunction with preparation of this Final EIR using an HHD trip distance of 15 miles, which is approximately double the number generated by the model default and substantially above the highest citable trip distance. The results of the modified model run differed from the DEIR as follows:

	DEIR	FEIR	Change
ROG	6.69	6.91	+0.22
NOx	**10.29**	**12.09**	+1.79
CO	14.00	18.34	+4.34
SO2	0.06	0.09	+0.03
PM10	5.43	7.72	+2.29
PM 2.5	1.43	1.52	+0.63

Results shown in bold exceed SJVAPCD significance thresholds. As discussed in the Draft EIR NOx emissions would be reduced to a less than significant level through the required implementation of SJVAPCD Rule 95 10.

Response 4B: The District's comment identifies a need to achieve significant reductions in HHD truck NOx emissions. The District's 2018 PM 2.5 Plan identifies the means by which these reductions can be achieved, which is through implementation of the CARB Statewide Truck and Bus Regulation. The regulation will apply to all truck fleets operating within California, including any fleets that may be associated with the proposed project. As stated, the regulation will require conformance with the identified CARB near-zero truck NOx emission standard.

Under CEQA, mitigation does not need to be specified when conformance with an existing broadly-applicable regulatory program, such as the CARB truck fleet emission standards, is in place. Vehicle emission regulation is not within the City's regulatory purview or capability to enforce. Nonetheless, the EIR's air quality analysis is modified as shown in Section 4.0 and Appendix IV to reflect addition of the information provided by the District.

A second recommended mitigation measure suggested by the District for the City to require that on-site service equipment utilize zero-emissions technologies as feasible. There is no data, from emissions modeling of the project, or supplied by the District, that would indicate that emissions from on-site service equipment are substantial contributors to the overall project air emissions described in the Final EIR, and mitigation for the project emissions sufficient to reduce air impacts to a less than significant level have been identified in the EIR.

Diesel-powered off-road equipment are regulated by CARB. These regulations require that fleet owners assign a unique number to, label and report each vehicle in the fleet, and require retirement or retrofitting of older engines project in accordance with the CARB compliance schedule. All but small fleets must be incompliance with Fleet Average Target or BACT dates by 2023. After 2017, fleet additions must meet EPA Tier 3 (the most stringent) emission requirements. Additional requirements limit NOx and hydrocarbon emissions from Large-Spark-Ignition equipment such as forklifts, floor scrubbers, tow tractors and other support equipment.

The future tenants will be responsible for compliance with these and any other adopted State regulations related to operation of off-road equipment. In addition, the City is agreeable to contributing to emission reduction by including the District's information, concerns and recommendation in the Final EIR in Chapter IV Errata and requiring the project applicants to inform tenants of regulations regarding on-site service equipment emissions and to recommend low-to zero-emission equipment through CC&Rs that describe a range of additional air quality improvement measures. The City has included conformance with a range of additional air quality improvement measures in the Conditions of Approval for the project. CARB's requested design measures were considered in the development of the referred list of air quality improvement measures that will be pursued during the construction plan review and approval process by the City and applicant. The list of these measures is shown in Appendix V of this Final EIR.

Response 4C: The CalEEMod modeling in the Draft EIR assumed that emissions from on-site equipment were predicted by the model, as are other on-site emission sources, and were not specifically called out. Nonetheless, for the Final EIR, a CalEEMod run was conducted that included assumed emissions for off-road equipment. Based on emission factors obtained from the CARB OFFROAD Emissions Model, a worst-case assumption of 42 diesel-powered forklifts was assumed. The results of the CalEEMod run FEIR (Appendix IV) with the assumed off-road operational equipment indicated an increase in emissions, but not a change in significance from the results in the Draft EIR. The conclusions reached in the Draft EIR remain applicable, including those related to NOx emissions and their reduction to a level below District significance thresholds with the required implementation of Rule 9510.

Response 4D: The EIR described potential impacts from project construction activities. It concluded that impacts would be less than significant, since estimated emissions would not exceed applicable Air District thresholds. Moreover, the EIR noted that the project would be required to comply with the dust emission control requirements of Air District Regulation VIII. While not mentioned in the EIR, CARB idling and construction equipment regulations would also further reduce emissions.

As noted in Response to Comment 4A, mitigation is typically applied when existing regulations are considered inadequate to reduce potentially significant impacts to a level that would be less than significant. Since project construction emissions are not expected to exceed applicable thresholds, and existing regulations would further reduce emissions, no additional mitigation would be required under CEQA. Nonetheless, as discussed above, the City will assist in improving emission reduction by including the District's information, concerns, and recommendation in the Final EIR and in this list of additional air quality improvement measures shown in appendix V.

Response 4E: The City appreciates the District's recommendation and the potential value of a Voluntary Emission Reduction Agreement (VERA). As noted, a VERA is a voluntary agreement between the project proponent and the District. The District's information regarding VERAs is included in the Final EIR in Section 4.0 Errata and has been made known to the project applicant for potential action.

Response 4F: In the CalEEMod run discussed in Response 4C, using summer factors, there was only one pollutant of concern – CO – that exceeded the District threshold of 100 lbs per day. However, project CO emissions were below the District's thresholds of significance, and the Air Basin complies with CO ambient air quality standards.

In a CO attainment area, CO emissions are a pollutant of local concern only in areas of traffic congestion, as was described in the EIR. As noted in the EIR, only three of the roadway intersections analyzed met the criteria for potential CO impacts, and none of these were located near any sensitive receptors that have any potential to experience CO levels above standards. Based on this, the recommendation that an AAQA be conducted for the project is unnecessary.

Response 4G: As noted by other commenters, the project area contains several existing sources of diesel particulate matter, which is defined as an air toxic. These sources include SR 99, the BNSF intermodal facility, local truck traffic and existing industrial development. Such emissions from the project were identified and dismissed in the DEIR and found to be less than significant. However, in response to health risk-related comments and concerns from the APCD and the California Air Resources Board, a Health Risk Assessment (HRA) has been prepared to quantify the project's construction and operational contributions to existing air quality in the project vicinity. The HRA report, discussed in Section 4.0 Errata and shown in Appendix III of this Final EIR, finds that the project's maximum health risk contributions on lands surrounding the project site, including pollution-sensitive residential uses, would not exceed 5 cancers/million population. The predicted health risk contribution is approximately 25% of the State-defined significance threshold of 20 cancers/million. The HRA shows that potential health risks associated with diesel particulate matter would be less than significant.

Response 4H: The District correctly points out that the project is subject to the District's Rule 9510 governing Indirect Sources. The subject rule was discussed in Chapter 6.0 Air Quality of the DEIR at pages 6-8 and 6-9, noting that the project was subject to the rule. Rule 9510 was again addressed at pages 6-11 and 6-12 as applying to both project construction and operation. The EIR discussion addressed the effectiveness of the Rule in reducing projected criteria pollutants to a less than significant level in both cases. Although compliance with the Rule is required by the District, the City will include compliance with the Rule in its proposed conditions of approval for the project.

Response 4I: In this comment, the District lists the various rules and regulations that may be applicable to the project and makes recommendations for compliance with these requirements. These requirements may be applicable to various elements of the project. The EIR described several of these requirements and their applicability, including Rules 4601 and 9410 on page 6-8 of the DEIR. Conformance with NESHAP requirements is addressed in the Final EIR in comments from and responses to the California Department of Toxic Substances Control (DTSC) including the errata to Chapter 11.0 Hazards described in Chapter 4.0 of this Final EIR. The District's information contributes to the information already provided in the EIR.

April 27, 2020

Matt Diaz, Planner
City of Stockton
345 North El Dorado Street
Stockton, California 95202
Submitted via email: matt.diaz@stocktonca.gov

Dear Matt Diaz:

Thank you for providing the California Air Resources Board (CARB) with the opportunity to comment on the Sanchez-Hoggan Annexation Project (Project) Draft Environmental Impact Report (DEIR), State Clearinghouse No. 2020020006. The Project proposes the future development of a 3,087,388 square-foot high-cube warehouse space through the annexation of two parcels by the City of Stockton. Once in operation, the Project would introduce up to 4,324 daily vehicle trips along local roadways. The number of daily truck trips was not specified in the DEIR. The Project is located within the City of Stockton (City), which is the lead agency for California Environmental Quality Act (CEQA) purposes.

The industrial uses proposed under the Project would permit warehousing and distribution facilities. Freight facilities, such as warehouse and distribution facilities, can result in high daily volumes of heavy-duty diesel truck traffic and operation of on-site equipment (e.g., forklifts, yard tractors, etc.) which emit toxic diesel emissions and contribute to regional air pollution and global climate change.[1] CARB has reviewed the DEIR and is concerned about the air pollution impacts that would result should the City approve the Project.

I. The Project Would Increase Exposure to Air Pollution in Disadvantaged Communities

The Project, if approved, will expose nearby disadvantaged communities to elevated levels of air pollution. Residences are located north, east, and south of the Project with the closest residences located approximately 210 feet from the Project's northern boundary. In addition to residences, 3 schools (Venture Academy Family of Schools, San Joaquin County Alternative Program School, and Collegeville Elementary School), and 2 youth correctional facilities (O.H. Close Youth Correctional Facility and N.A. Chaderjian Youth Correctional Facility) are located within 2 miles of the Project.

5A

[1] With regard to greenhouse gas emissions from this project, CARB has been clear that local governments and project proponents have a responsibility to properly mitigate these impacts. CARB's guidance, set out in detail in the Scoping Plan issued in 2017, makes clear that in CARB's expert view local mitigation is critical to achieving climate goals and reducing greenhouse gases below levels of significance.

COMMENT NO. 5
CALIFORNIA AIR RESOURCES BOARD

The community is surrounded by existing toxic diesel particulate matter (diesel PM) emission sources, which include existing industrial sources, the Stockton Metropolitan Airport, the BNSF Intermodal Facility, and vehicular traffic along State Route 99 (SR-99) and Interstate 5 (I-5). Due to the Project's proximity to residences, schools, and youth correctional facilities already disproportionately burdened by multiple sources of air pollution, CARB is concerned with the potential cumulative health impacts associated with the construction and operation of the Project.

5A

The State of California has placed additional emphasis on protecting local communities from the harmful effects of air pollution through the passage of Assembly Bill 617 (AB 617) (Garcia, Chapter 136, Statutes of 2017). AB 617 is a significant piece of air quality legislation that highlights the need for further emission reductions in communities with high exposure burdens, like those in which the Project is located. Diesel PM emissions generated during the construction and operation of the Project would negatively impact the community, which is already disproportionally impacted by air pollution from existing industrial uses, the SR-99, the I-5, an airport, and an intermodal rail facility.

Through its authority under Health and Safety Code section 39711, the California Environmental Protection Agency (CalEPA) is charged with the duty to identify disadvantaged communities. CalEPA bases its identification of these communities on geographic, socioeconomic, public health, and environmental hazard criteria (Health and Safety Code, section 39711, subsection (a)). In this capacity, CalEPA currently defines a disadvantaged community, from an environmental hazard and socioeconomic standpoint, as a community that scores within the top 25 percent of the census tracts, as analyzed by the California Communities Environmental Health Screening Tool Version 3.0 (CalEnviroScreen). CalEnviroScreen uses a screening methodology to help identify California communities currently disproportionately burdened by multiple sources of pollution. The census tract containing the Project is within the top 1 percent for Pollution Burden[2] and is considered a disadvantaged community; therefore, CARB urges the City to ensure that the Project does not adversely impact neighboring disadvantaged communities.

5B

II. It is Unclear Whether the Proposed Warehouse and Distribution Facilities Include Cold Storage

The air pollutant emissions reported in the DEIR were estimated under the assumption that the Project would not be used for cold storage. Since the Project description in the DEIR did not explicitly state that the proposed 3,087,388 square-foot high-cube warehouse space would not include cold storage space, there is a possibility that trucks

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[2] Pollution Burden represents the potential exposures to pollutants and the adverse environmental conditions caused by pollution.

COMMENT NO. 5
CALIFORNIA AIR RESOURCES BOARD

and trailers visiting the Project site would be equipped with transport refrigeration units (TRU).[3,4]

TRUs on trucks and trailers can emit large quantities of diesel exhaust while operating within the Project site. Residences and other sensitive receptors (e.g., daycare facilities, youth correctional facilities, senior care facilities, and schools) located near where these TRUs could be operating would be exposed to diesel exhaust emissions that would result in significant cancer risk. CARB urges the applicant and City to revise the DEIR to clearly define the Project's description, so the public can fully understand the potential environmental effects of the Project on their communities.

5C

If the Project will not be used for cold storage, CARB urges the City to include one of the following design measures in the Final Environmental Impact Report (FEIR):

- A Project design measure requiring contractual language in tenant lease agreements that prohibits tenants from operating TRUs within the Project site; or

- A condition requiring a restrictive covenant over the parcel that prohibits the applicant's use of TRUs on the property unless the applicant seeks and receives an amendment to its conditional use permit allowing such use.

If the City does allow TRUs within the Project site, CARB urges the City to model air pollutant emissions from on-site TRUs in the FEIR, as well as include potential cancer risks from on-site TRUs in the Project's health risk assessment (HRA). The HRA prepared for the Project should account for all potential health risks from on and off-site sources (e.g., on-site generators, TRUs, heavy-duty truck traffic, etc.) and all the air pollutant reduction measures listed in Attachment A.

III. The DEIR Does Not Adequately Analyze the Project's Potential Health Risk Impacts

The DEIR concluded that the Project would not expose nearby sensitive receptors to air pollutant concentrations that would result in a significant impact. The DEIR reached this conclusion by using a prioritization screening tool posted on the San Joaquin Valley Air Pollution Control District (SJVAPCD) CEQA webpage. The screening tool categorizes a facility's health risks based on information provided in the Facility Prioritization Guidelines published by the California Air Pollution Control Officers

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[3] TRUs are refrigeration systems powered by integral diesel engines that protect perishable goods during transport in an insulated truck and trailer vans, rail cars, and domestic shipping containers.
[4] Project descriptions "must include (a) the precise location and boundaries of the proposed project, (b) a statement of the objectives sought by the proposed project, (c) a general description of the project's technical, economic and environmental characteristics, and (d) a statement briefly describing the intended use of the EIR." (*stopthemilleniumhollywood.com v. City of Los Angeles* (2019) 39 Cal.App.5th 1, 16.) "This description of the project is an indispensable element of both a valid draft EIR and final EIR." (Ibid.) Without explicit acknowledgment in the project description that the proposed project will not include cold storage facilities, the current project description fails to meet the bare minimum of describing the project's technical and environmental characteristics.

COMMENT NO. 5
CALIFORNIA AIR RESOURCES BOARD

Association (CAPCOA). According to the DEIR, if a project has a prioritization score[5] of ten or less, then the project is considered to not exceed SJVAPCD's significance threshold for health impacts and, therefore, an HRA is not required. The DEIR asserts that the facility prioritization score for the Project would be zero.

The City provided CARB with a copy of the input data used in the SJVAPCD prioritization screening tool. CARB reviewed the input data, and it appears the City made an error in entering the Pollutant ID for diesel PM. To calculate a Project's prioritization score, the user must enter into the screening tool either the Chemical Abstract Service Registration (CAS) number or Pollutant ID of the substance of concern and its annual emission rate.

In order to assess the Project's potential cancer risks from on-site diesel PM emissions, a CARB-issued Pollutant ID for diesel PM was entered into the tool. Rather than selecting the Pollutant ID for diesel PM (9901), the City manually entered Pollutant ID 9001 into the screening tool. Since this is not a valid Pollutant ID and is therefore not associated with any pollutant, the screening tool automatically defaulted the Project's prioritization score to zero. However, when the correct Pollutant ID for diesel PM is selected, the Project's prioritization score increases to above 10, which exceeds SJVAPCD's screening threshold, resulting in the need to prepare an HRA for the Project.

As required under CEQA, the City and Applicant must include a quantitative analysis in determining the severity of the Project's impact on public health.[6] The DEIR does not meet this requirement because it fails to provide data to support the claim that the Project would result in a prioritization score of zero and estimates the Project's prioritization score by using incorrect inputs.

Since the Project is located near residences already disproportionately burdened by multiple sources of air pollution, CARB urges the City and Applicant to prepare an HRA for the Project. The HRA prepared in support of the Project should be based on the latest Office of Environmental Health Hazard Assessment (OEHHA) guidance (2015 Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments).[7]

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[5] "Prioritization score" means a facility's numerical score for cancer health effects or noncancer health effects, as determined by the district pursuant to Section 44360 in a manner consistent with facility prioritization guidelines prepared by CAPCOA and approved by the state board.
[6] In fact, the California Supreme Court recently addressed this issue in its landmark ruling in Sierra Club v. County of Fresno (2018) 6 Cal.5th 502 (Friant Ranch). In Friant Ranch, the Court held that an Environmental Impact Report (EIR) is inadequate if it does not make "a reasonable effort to discuss relevant specifics regarding the connection between two segments of information already contained in the EIR, the general health effects associated with a particular pollutant, and the estimated amount of that pollutant the project will likely produce." (Id., at p. 521.) The current version of the DEIR fails to do this, and as a result, is currently inadequate as a matter of law.
[7] Office of Environmental Health Hazard Assessment (OEHHA). Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. February 2015. Accessed at: https://oehha.ca.gov/media/downloads/crnr/201 Sguidancemanual.pdf.

COMMENT NO. 5
CALIFORNIA AIR RESOURCES BOARD

IV. The DEIR Did Not Model Mobile Air Pollutant Emissions Using CARB's 2017 Emission Factor Model (EMFAC2017)

The Project's air pollutant emissions were modeled using mobile emission factors obtained from CARB's 2014 Emission Factors model (EMFAC2014). Project-related air pollutant emissions from mobile sources should be modeled using CARB's latest EMFAC2017.[8] One of the many updates made to EMFAC included an update to the model's heavy-duty emission rates and idling emission factors, which results in higher particulate matter (PM) emissions as compared to EMFAC2014. Since EMFAC2017 generally shows higher emissions of PM from trucks than EMFAC2014, the Project's mobile source nitrogen oxides (NO_x) and diesel PM emissions are likely underestimated. CARB urges the applicant and City to model and report the Project's air pollution emissions from mobile sources using emission factors found in CARB's latest EMFAC2017.

5E

V. The DEIR Should Not Rely on the Air District's Rules to Mitigate the Project's Impact on Air Quality

The DEIR concluded that the Project's operational air pollutant emissions would exceed the SJVAPCD's significance threshold for NO_x. Rather than providing mitigation measures to reduce the Project's NO_x emissions, the City and Applicant concluded that the Project's significant impact on air quality would be reduced to a less than significant level by merely complying with SJVAPCD Rule 9510, also known as the Indirect Source Rule. This rule would require the Project to reduce its operational emissions of NO_x and particulate matter 10 micrometers in diameter (PM_{10}) by 33.3 and 50.0 percent, respectively. Although the City and Applicant would be required to comply with all applicable SJVAPCD rules, the DEIR needs to go further and include all additional feasible mitigation measures to fully mitigate the Project's significant impact on air quality. As required under CEQA, public agencies should not approve projects as proposed if there are feasible mitigation measures available which would avoid or substantially lessen the significant environmental effects of such projects. (See Public Resources Code, § 21002.) To comply with CEQA, CARB urges the City and Applicant to include the emission reduction measures provided in Attachment A in the FEIR as either project design or mitigation measures. The FEIR should also report the Project's mitigated operational emissions.

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VI. The DEIR Lacks Substantial Evidence to Support the Project's Operational Air Pollutant Mobile Source Emissions

The DEIR may have underestimated the Project's operational mobile source air pollutant emissions by using fleet mixes unsupported by substantial evidence. The Project's operational air pollutant emissions were estimated using the California

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[8] The United States Environmental Protection Agency (U.S. EPA) approved the use of EMFAC2017 for SIP and conformity purposes effective August 15, 2019.

COMMENT NO. 5
CALIFORNIA AIR RESOURCES BOARD

Emissions Estimator Model (CalEEMod). Based on CARB's review of the CalEEMod outputs found in Appendix B (Air Quality Modeling Results) of the DEIR, the City and Applicant relied on CalEEMod fleet mix defaults to estimate the Project's mobile source air pollutant emissions. After applying these defaults, the Project's fleet mix would include 2 percent light-duty trucks, 2 percent medium-duty trucks, and 6 percent heavy-duty trucks. Consequently, the operational mobile emissions were estimated assuming the Project would result in approximately 432 average daily light, medium, and heavy-truck trips.

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The traffic report prepared for the Project found in Appendix G (Traffic Impact Study) of the DEIR does not state the number of heavy-duty truck trips the Project would generate while in operation. Furthermore, an industrial development the size of the proposed Project would be expected to result in truck traffic higher than 432 daily trips. Without citing substantial evidence to support the fleet mix assumptions used in the air quality analysis, there is currently no legal basis to support that the Project's mobile source emissions would not result in a significant adverse environmental impact.[9] CARB urges the City and Applicant to remodel the Project's air pollutant emissions using fleet mixes calculated by a traffic study and report those findings in the FEIR.

VII. The DEIR Did Not Account for Air Pollutant Emissions from Heavy-Duty Trucks During On-site Grading

The DEIR did not account for mobile air pollutant emissions during the Project grading construction phase. Based on CARB's review of the CalEEMod outputs found in Appendix B (Air Quality Modeling Results) of the DEIR, the City and Applicant assumed that no heavy-duty truck trips would be required to import or export soil during the on-site grading. Furthermore, the DEIR does not explicitly state the quantity of soil needed to grade the Project site that would support this assumption. If the Project site cannot be graded using existing on-site soil, the soil will need to be imported into the Project site. If that is the case, a large number of heavy-duty truck trips may be required to transport soil.

5H

CARB urges the City and Applicant to remodel the Project's construction air pollutant emissions using accurate heavy-duty truck trip estimates. Residences and other sensitive receptors (e.g., daycare facilities, youth correctional facilities, senior care facilities, and schools) located near construction haul routes could be exposed to diesel exhaust emissions that were not evaluated in the DEIR. The DEIR should clearly state the total number of heavy-duty truck trips expected during Project construction so the public can fully understand the potential environmental effects of the Project on their communities.

[9] "In reviewing an agency's compliance with CEQA. .. the courts' [evaluate whether the lead agency prejudicially abused its discretion where] .... [s]uch an abuse is established 'if the agency has not proceeded in a manner required by law or if the determination or decision is not supported by substantial evidence.'[Citation omitted]" (Vineyard Area Citizens for Responsible Growth, Inc. v. City of Rancho Cordova (2007) 40 Cal.4th 412, 426.) Therefore, a lead agency must support its DEIR and required findings that there is no possibility that the project may have an adverse impact on the environment with substantial evidence.

VIII. Conclusion

CARB is concerned about the Project's potential public health impacts. The DEIR does not specify if TRUs would operate within the Project site, evaluate the Project's cancer risks adequately, provide justification for the modeling assumptions, and include all feasible mitigation measures to reduce the Project's operational air pollution emissions. CARB recommends that the City and Applicant prepare an HRA for the Project, revise the Project's air quality analysis using EMFAC2017 and Project specific fleet mixes, evaluate air quality impacts from heavy-duty truck trips during on-site grading, and include the air pollution emission measures provided in Attachment A in the FEIR.

5I

Given the breadth and scope of projects subject to CEQA review throughout California that have air quality and greenhouse gas impacts coupled with CARB's limited staff resources to substantively respond to all issues associated with a project, CARB must prioritize its substantive comments here based on staff time, resources, and its assessment of impacts. CARB's deliberate decision to substantively comment on some issues does not constitute an admission or concession that it substantively agrees with the lead agency's findings and conclusions on any issues on which CARB does not substantively submit comments.

CARB appreciates the opportunity to comment on the DEIR for the Project and can provide assistance on zero-emission technologies and emission reduction strategies, as needed. If you have questions, please contact Stanley Armstrong, Air Pollution Specialist, at (916) 440-8242 or via email at stanley.armstrong@arb.ca.gov.

Sincerely,

Richard Boyd

Richard Boyd, Chief
Risk Reduction Branch
Transportation and Toxics Division

Attachment

cc: See next page.

COMMENT NO. 5
CALIFORNIA AIR RESOURCES BOARD

cc: (via email)

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COMMENT NO. 5
CALIFORNIA AIR RESOURCES BOARD

ATTACHMENT A

Recommended Air Pollution Emission Reduction Measures for Warehouses and Distribution Centers

The California Air Resources Board (CARB) recommends developers and government planners use all existing and emerging zero to near-zero emission technologies during project construction and operation to minimize public exposure to air pollution. Below are some measures, currently recommended by CARB, specific to warehouse and distribution center projects. These recommendations are subject to change as new zero-emission technologies become available.

Recommended Construction Measures

1. Ensure the cleanest possible construction practices and equipment are used. This includes eliminating the idling of diesel-powered equipment and providing the necessary infrastructure (e.g., electrical hookups) to support zero and near-zero equipment and tools.

2. Implement, and plan accordingly for, the necessary infrastructure to support the zero and near-zero emission technology vehicles and equipment that will be operating on site. Necessary infrastructure may include the physical (e.g., needed footprint), energy, and fueling infrastructure for construction equipment, on-site vehicles and equipment, and medium-heavy and heavy-heavy duty trucks.

3. In construction contracts, include language that requires all off-road diesel-powered equipment used during construction to be equipped with Tier 4 or cleaner engines, except for specialized construction equipment in which Tier 4 engines are not available. In place of Tier 4 engines, off-road equipment can incorporate retrofits, such that, emission reductions achieved equal or exceed that of a Tier 4 engine.

4. In construction contracts, include language that requires all off-road equipment with a power rating below 19 kilowatts (e.g., plate compactors, pressure washers) used during project construction be battery powered.

5. In construction contracts, include language that requires all heavy-duty trucks entering the construction site, during the grading and building construction phases be model year 2014 or later. All heavy-duty haul trucks should also meet CARB's lowest optional low-oxides of nitrogen (NO_x) standard starting in the year 2022.[1]

[1] In 2013, CARB adopted optional low-NO_x emission standards for on-road heavy-duty engines. CARB encourages engine manufacturers to introduce new technologies to reduce NO_x emissions below the current mandatory on-road heavy-duty diesel engine emission standards for model year 2010 and later. CARB's optional low-NO_x emission standard is available at: https://www.arb.ca.gov/msprog/onroad/optionnox/optionnox.htm.

6. In construction contracts, include language that requires all construction equipment and fleets to be in compliance with all current air quality regulations. CARB is available to assist in implementing this recommendation.

Recommended Operation Measures

1. Include contractual language in tenant lease agreements that requires tenants to use the cleanest technologies available, and to provide the necessary infrastructure to support zero-emission vehicles and equipment that will be operating on site.

2. Include contractual language in tenant lease agreements that requires all loading/unloading docks and trailer spaces be equipped with electrical hookups for trucks with transport refrigeration units (TRU) or auxiliary power units. This requirement will substantially decrease the amount of time that a TRU powered by a fossil-fueled internal combustion engine can operate at the project site. Use of zero-emission all-electric plug-in TRUs, hydrogen fuel cell transport refrigeration, and cryogenic transport refrigeration are encouraged and can also be included in lease agreements.[2]

3. Include contractual language in tenant lease agreements that requires all TRUs entering the project site be plug-in capable.

4. Include contractual language in tenant lease agreements that requires future tenants to exclusively use zero-emission light and medium-duty delivery trucks and vans.

5. Include contractual language in tenant lease agreements requiring all TRUs, trucks, and cars entering the Project site be zero-emission.

6. Include contractual language in tenant lease agreements that requires all service equipment (e.g., yard hostlers, yard equipment, forklifts, and pallet jacks) used within the project site to be zero-emission. This equipment is widely available.

7. Include contractual language in tenant lease agreements that requires all heavy-duty trucks entering or on the project site to be model year 2014 or later, expedite a transition to zero-emission vehicles, and be fully zero-emission beginning in 2030.

[2] CARB's Technology Assessment for Transport Refrigerators provides information on the current and projected development of TRUs, including current and anticipated costs. The assessment is available at: https://www.arb.ca.gov/msprog/tech/techreport/tru_07292015.pdf.

8. Include contractual language in tenant lease agreements that requires the tenant be in, and monitor compliance with, all current air quality regulations for on-road trucks including CARB's Heavy-Duty (Tractor-Trailer) Greenhouse Gas Regulation,[3] Periodic Smoke Inspection Program (PSIP),[4] and the Statewide Truck and Bus Regulation.[5]

9. Include contractual language in tenant lease agreements restricting trucks and support equipment from idling longer than 5 minutes while on site.

10. Include contractual language in tenant lease agreements that limits on-site TRU diesel engine runtime to no longer than 15 minutes. If no cold storage operations are planned, include contractual language and permit conditions that prohibit cold storage operations unless a health risk assessment is conducted, and the health impacts fully mitigated.

11. Include rooftop solar panels for each proposed warehouse to the extent feasible, with a capacity that matches the maximum allowed for distributed solar connections to the grid.

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3. In December 2008, CARB adopted a regulation to reduce greenhouse gas emissions by improving the fuel efficiency of heavy-duty tractors that pull 53-foot or longer box-type trailers. The regulation applies primarily to owners of 53-foot or longer box-type trailers, including both dry-van and refrigerated-van trailers, and owners of the heavy-duty tractors that pull them on California highways. CARB's Heavy-Duty (Tractor-Trailer) Greenhouse Gas Regulation is available at: https://www.arb.ca.gov/cc/hdghg/hdghg.htm.
4. The PSIP program requires that diesel and bus fleet owners conduct annual smoke opacity inspections of their vehicles and repair those with excessive smoke emissions to ensure compliance. CARB's PSIP program is available at: https://www.arb.ca.gov/enf/hdvip/hdvip.htm.
5. The regulation requires that newer heavier trucks and buses must meet particulate matter filter requirements beginning January 1, 2012. Lighter and older heavier trucks must be replaced starting January 1, 2015. By January 1, 2023, nearly all trucks and buses will need to have 2010 model year engines or equivalent. CARB's Statewide Truck and Bus Regulation is available at: https://www.arb.ca.gov/msprog/onrdiesel/onrdiesel.htm.

Responses to Comment #5, Letter from California Air Resources Board (CARB)

Response 5A: As documented in the DEIR Chapter 6.0 Air Quality the project will involve emissions of criteria pollutants including NOx, ROG and particulate matter. The sources of these emissions, primarily project-related vehicular traffic, are dispersed from the roadway system and for the purposes of analysis are typically characterized as contributions to the regional airshed. The EIR evaluates the potential for the project to contribute to significant local carbon monoxide effects and finds this potential effect to be less than significant. With the application of San Joaquin Valley APCD rules and regulations, including Rule 9510 Indirect Source Rule, criteria pollutant emissions will be reduced to a less than significant level.

The project area contains several existing sources of diesel particulate matter, an air toxic, which include SR 99, the BNSF intermodal facility and other industrial uses. These emissions were identified in the DEIR and considered less than significant. In response to comments and concerns from the APCD and CARB, however a Health Risk Assessment (HRA) has been prepared to quantify the project's contributions to existing background levels of air toxics at land uses in the project vicinity, including sensitive residential receptors. The HRA is shown in Appendix III of this Final EIR. The HRA found that project-related emissions would result in maximum contributions in the project vicinity of 5 cancers/million population, approximately 25% of the State health risk significance threshold of 20 cancers/million. The HRA shows that potential health risks associated with diesel particulate matter would be less than significant.

While it is acknowledged that the project area contains a number of sources of diesel particulate matter, it is unclear how the project area is "disproportionately burdened." As discussed in more detail in Response 5B, from the sources cited by the commenter, the project area seems to be exposed to air toxics comparable to the remainder of the City of Stockton and surrounding communities. The "burden" suggested by the commenter may be the result of other socio-economic factors, but not air quality which is common to the City as a whole.

CalEnviroScreen mapping (June 2018 Update) shows the project area, the majority of the City of Stockton and the nearby cities of Lathrop and Manteca as SB 535 Disadvantaged Communities. The same map designation applies to the majority of the San Joaquin Valley, including the cities of Modesto, Merced and Fresno, among many others.

"Disadvantaged communities" under SB 535 are distinct from Disadvantaged Unincorporated Communities (DUCs) as defined under Senate Bill 244. DUCs are unincorporated areas in which the annual median household income is less than 80 percent of the statewide median household income. DUCs and associated issues and concerns were addressed in the DEIR at page 13-10.

The designation of disadvantaged communities pursuant to SB 535 is for the purpose of targeting investment of State cap-and-trade program proceeds, which are aimed at improving public health, quality of life and economic opportunity in California's most burdened communities at the same time reducing pollution that causes climate change. SB 535 does not involve any known regulatory requirements or standards related to new development.

The comment letter identified three schools within two miles of the project site as being potentially affected by the project. The CEQA Guidelines define only two instances of distance from a project site being a factor in the analysis of environmental impacts. Sections IX and XIII of the Environmental Checklist in CEQA Guidelines Appendix G have questions regarding safety and noise impacts of projects within two miles of a public or public-use airport. Another question in Section IX of the Checklist addresses emissions of hazardous materials or handling of acutely hazardous materials within one-quarter mile of a school. The airport question is not applicable to the issue raised by the commenter, and none of the schools mentioned in the comment letter are within one-quarter mile of the project site. The closest school to the project site, the Venture Academy, is approximately three-quarters mile southwest of the Hoggan property. No other CEQA guidance has been issued regarding the locational extent of environmental impacts of projects.

Response 5B: See Response 5A regarding disadvantaged communities. As noted by the commenter, Assembly Bill 617 is a significant piece of legislation but one with limited applicability to the project. AB 617 requires CARB state board to develop a uniform statewide system of annual reporting of emissions of criteria air pollutants and toxic air contaminants by certain stationary sources. The bill requires CARB to develop and implement a monitoring plan and statewide strategy for reducing air emissions in communities affected by a high cumulative exposure burden. The project does not involve any proposed stationary sources of air pollution.

The assertion by the commenter that the census tract within which the project is located is in the "top 1%" of Pollution Burden does not

appear to be borne out by information in CalEnviroScreen and, as discussed in Response 5A, is not the result of air quality data specific to the project area. An inquiry of CalEnviroScreen indicated a Pollution Burden score of 96. While high compared to other census tracts, this does not appear to be in the top 1%. It should be noted that the census tract covers a broad area of southeast Stockton and adjacent unincorporated area that includes agricultural fields. The main cluster of residences is along Marfargoa Road, which was mentioned in the DEIR as being potentially affected by the project.

The potential exposure of residential areas and other pollution-sensitive land uses to diesel particulate matter emitted by project-associated truck traffic was addressed directly in the HRA performed for the project. The HRA, shown in Appendix III of this Final EIR, found that project-related emissions would result in maximum contributions to health risks for lands surrounding the project site, including residential areas and other pollution-sensitive land uses, of 5 cancers/million population, approximately 25% of the State significance threshold of 20 cancers/million. The HRA shows, therefore, that potential health risks associated with diesel particulate matter would be less than significant.

The DEIR documents the projected emissions from the project, which are primarily associated with mobile sources; while some of the emissions are associated with "area sources," none are associated with stationary sources. New stationary sources could be developed on the site but are not identified as a project objective in the EIR. If proposed on the project, new stationary sources would be subject to the APCD's New Source Review regulatory program and associated requirements for incorporation of Best Available Control Technology (BACT).

Response 5C: As shown in the DEIR CalEEMod results for the Market Driven Project, more than 600,000 square feet of industrial development, a substantial portion of the project, was assumed to consist of cold storage. The results of both runs were reported individually in Chapter 6.0 of the DEIR. Nonetheless, the Final EIR CalEEMod run and the HRA (Appendix III) included assumed emissions from TRUs.

CARB adopted the TRU Airborne Toxic Control Measure (ATCM) on February 26, 2004, with amendments in 2010 and 2011, to reduce diesel PM pollutant emissions. CARB is currently in the process of developing a new regulation which would reduce emissions from facilities with TRU activity by transitioning to zero-emission operation where practical. It is expected that this new regulation would take effect by the time project construction is anticipated to begin. The project would be required to comply with the new TRU regulation.

Potential contributions of TRU emissions were included in the project Health Risk Assessment reported in Response 5B. The HRA accounted for potential diesel particulate emissions resulting from TRUs as well as other off-road and on-road sources. The HRA, shown in Appendix III of this Final EIR, finds that project-related emissions would result in maximum health risks contributions that would not exceed 5 cancers/million population, approximately 25% of the State significance threshold of 20 cancers/million, and would therefore be less than significant.

CARB's recommended design measures are reflected in a list of air quality improvement measures that will be pursued during the construction plan review and approval process by the City and applicant, subject to the conditions of project approval. The subject measures are shown in Appendix V of this Final EIR

Response 5D: As discussed previously, in response to comments and concerns from the APCD and CARB, a Health Risk Assessment (HRA) has been prepared to quantify the project's contributions to existing background levels of air toxics at land uses in the project vicinity, including sensitive residential receptors. The HRA is shown in Appendix III of this Final EIR. The project's contributions to short and long-term health risks in the areas surrounding the project site are compared to the applicable significance thresholds and found to be less than significant.

Response 5E: Emissions for the project were estimated using the California Emissions Estimator Model (CalEEMod). CalEEMod is a statewide land use emissions computer model designed to provide a uniform platform for analysis of air quality impacts. The model was developed for the California Air Pollution Officers Association (CAPCOA) using data provided by the local air districts. CalEEMod is accepted as the primary, if not only, tool for air quality impact analysis under CEQA.

The latest version of CalEEMod version was used in the DEIR air quality impact analysis. The CalEEMod version used in the DEIR incorporates emissions data from EMFAC2014. The commenter suggests that the analysis should instead use EMFAC2017 data that the commenter suggests uses substantially higher particulate emission factors than the 2014 version.

Review of the EMFAC2017 data indicates that particulate matter emission rates are higher than in EMFAC2014, but, contrary to the commenter's assertion that emissions are underestimated, these differences are not substantial and would not result in substantial

changes in the results described in the DEIR, as indicated in the technical documentation for EMFAC2017 (EMFAC2017 Volume III - Technical Documentation, July 20, 2018., Chapter 5).

To use the 2017 data would require substantial and undocumented work to modify CalEEMod for this one project. This would require use of an untested model version, a departure from the uniform statewide practice. This is not considered warranted given the relatively small changes in the particulate emission rates.

Response 5F: The commenter finds fault with the DEIR reference to existing APCD rules and regulations, specifically Rule 9510 Indirect Sources, in reducing the projected air emissions associated with the project, suggesting that the "mere" use of Rule 9510 does not constitute effective mitigation under CEQA and that "all feasible" mitigation measures should be disclosed in the EIR.

Under CEQA, mitigation is required when a significant environmental impact, a "nexus" is identified, and no mitigation need be provided unless a nexus exists. Additional mitigation does not need to be specified when conformance with an existing broadly-applicable regulatory program, such as the CARB truck fleet emission standards, that would reduce potential impacts to a less than significant level is in place. Existing APCD rules and regulations are just such broadly-applicable regulations; these requirements are detailed on pages 6-4 through 6-8 of the Draft EIR. Vehicle emission regulation is not within the City's regulatory purview or capability to enforce.

The DEIR's reference to Rule 9510 as effective in reducing the air quality impacts of the project is valid and consistent with the provisions and requirements of CEQA. CEQA is clear that *"*uniformly applicable development policies or standards" need to be considered in the analysis of environmental effects and their significance and the need for additional mitigation measures. In recent years, this approach to environmental analysis has become an industry standard that can and should be employed.

Rather than an ineffective rule, Rule 9510 is a relatively robust air quality impact mitigation program that has been in effect since 2005. The program defines specific air emission reductions that must be achieved for development projects that are subject to Rule 9510. The required Rule 9510 reductions are substantial and precise, requiring a 33% reduction for NOx and a 50% for particulate matter, as opposed to small incremental requirements or undefined policy requirements.

The commenter suggests that the DEIR should describe and incorporate "all feasible mitigation measures" for the projected air emissions, citing an introductory policy guidance section of the CEQA Guidelines in support. This comment ignores, however, the body of CEQA statutes, guidelines and case law that require mitigation measures if and when a project would involve a significant environmental effect. In this case, a significant air quality effect has been identified but would be reduced to a less than significant level through implementation of Rule 9510. No further mitigation is necessary. However, Appendix V of this FEIR includes a range of additional air quality improvement measures that the City and applicant will work together to implement.

Response 5G: Estimates of project-related air emissions reported in the DEIR were derived from the CalEEMod program, which describes air pollutant emissions based on the characteristics of the land use being reviewed for approval. CalEEMod is the industry standard air emissions model, which is widely used and accepted by air quality control and management districts, local agencies and CEQA practitioners in the State of California.

Response 5H: The CalEEMod construction emissions were estimated based primarily on grading and development activity occurring on the project site. The project would involve import of required construction materials but no unusual amount of imported fill. The applicant has verified that the project would involved balanced cut and fill and no significant import of fill material. The commenter speculates about off-site sensitive receptors that would be impacted by off-site haul truck traffic; however, this speculation is based on the incorrect assumption that substantial import of fill material would be required.

Response 5I: This comment summarizes the other comments provided by the CARB earlier in the letter; the City's responses to each of these comments are shown above.

Comment #6, Email from United Auburn Indian Community

From: Anna Starkey <astarkey@auburnrancheria.com>
Sent: Friday, March 13, 2020 12:04 PM
To: Matt Diaz <Matt.Diaz@stocktonca.gov>
Subject: UAIC comments on the DEIR for the Sanchez-Hoggan Annexation Project (P19-0691)

Good morning,

The United Auburn Indian Community (UAIC) received the NOA for the above referenced project. The DEIR states that UAIC deferred consultation to the Northern Valley Yokuts and therefore we do not have any comments on the proposed mitigation measures for Tribal Cultural Resources. However, the Cultural Resources and Tribal Cultural Resources sections must be separate chapters of the DEIR/and Final EIR as they are separate environmental resources.

Section 21074 of the Public Resources Code defines "tribal cultural resources" as either:
(1) Sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a tribe that are listed, or determined to be eligible for listing, in the national or state register of historical resources, or listed in a local register of historic resources; or
(2) a resource that the lead agency determines, in its discretion, is a tribal cultural resource.

6A

The DEIR and Final EIR must separate these chapters so Tribal Cultural Resources is its own, stand-alone chapter and include the appropriate background and mitigation measures that are specific the TCRs.

Please let me know if you have any questions.

Thank you for your time and consideration.

Best,
Anna Starkey

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Cultural Regulatory Specialist
Tribal Historic Preservation Department| UAIC
10720 Indian Hill Road
Auburn, CA 95603
Direct line: (916) 251-1565 | Cell: (530) 863-6503
astarkey@auburnrancheria.com |www.auburnrancheria.com

Response to Comment #6, Email from United Auburn Indian Community

Response 6A: While Appendix G of the CEQA Guidelines contains an Environmental Checklist with a separate Tribal Cultural Resources section, neither the CEQA statute nor the CEQA Guidelines require that each section in the Checklist be given its own chapter in an EIR. Local governments are given discretion in how an EIR presents its analysis of environmental impacts, so long as the EIR identifies and analyzes all potential environmental impacts of a project in accordance with CEQA.

Likewise, AB 52 requires that a CEQA lead agency consult with a tribe on impacts to tribal cultural resources if the tribe requests such consultation, but AB 52 does not require a specific format on how these issues should be presented in a CEQA document other than the concerns of a tribe must be addressed. The tribe did not request consultation under AB 52.

All of the issues pertaining to tribal cultural resources, including the setting, regulatory framework, and potential impacts, were addressed in the Cultural Resources chapter of the EIR. Issues specific to tribes were distinguished in the EIR chapter, including the AB 52 consultation process for the project and the responses by the interested tribes. Potentially significant impacts on tribal cultural resources were identified and analyzed in the impact analysis, and mitigation measures included provisions specifically addressing these resources, including notification of the Yokuts tribal representative should potential tribal cultural resources, including burials, be encountered during project construction.

Comment #7, Email from Nototumne Cultural Preservation, Northern Valley Yokuts Tribe

From: Katherine Perez <canutes@verizon.net>
Sent: Thursday, March 5, 2020 1:16 PM
To: Matt Diaz <Matt.Diaz@stocktonca.gov>
Subject: EIR For Sanchez-Hogan Annexation Project

Hello Matt Diaz,

Thank you for requesting information regarding the above referenced project. The Northern Valley Yokuts Tribe and Nototomne Cultural Preservation (NVYT/NCP) is comprised of Yokuts, Bay Miwok, Ohlone and Putwin people who are traditionally and culturally affiliated with the geographic area that includes the project area. The Tribe's area of geographic traditional and cultural affiliation encompasses all of Santa Clara County. The NVYT/NCP is concerned about development within its aboriginal territory that has potential to impact the lifeways, cultural sites, and landscapes that may be of sacred or ceremonial significance.

In order to ascertain how the project will affect cultural resources that are of importance to the NVYT/NCP, we respectfully request to participate in the drafting of, and receive copies of any draft and final archaeological reports that are completed for the project, including California Historical Resources Information System records search requests, results and summaries. We also request copies of future environmental documents for the proposed project so that we have the opportunity to consult on potential impacts and proposed mitigation measures related to cultural and natural resources. The information gathered from the project documentation will provide us with a better understanding of the natural and cultural resources on site and is invaluable for consultation purposes. NVYT/NCP is aware of several significant historical resources and tribal cultural resources in your project area that qualify as eligible properties for listing to the local, state and federal registers. 7A

We would also like to make a few general points for consideration as you continue to refine the scope and content of this project. They may perhaps be the basis for additional mitigation measures to be included in the environmental documentation and for your agency to respond to each of them in its Responses to Comments: 7B

- All environmental planning should be designed to avoid and preserve known cultural sites by putting them into conservation easements, open space or other protected areas with sufficient protective buffers;
- Tribe’s preference is to avoid all resources and protect them in place. The NVYT/NCP is interested in conservation easements for culturally significant prehistoric sites;

- Tribe requests to provide paid Tribal Monitors when survey, testing, excavation and data recovery are required, or in cases where ground disturbance is proposed at or near sensitive cultural resources;
- Tribe is deeply interested in the culturally-appropriate and dignified treatment of ancestral human remains, grave goods and cultural items from prehistoric sites where such activities as digging, excavation and data recovery may be performed. NVYT/NCP's preference is avoidance first, but if avoidance is not possible, then reburial directly on-site as close as possible to the area of discovery;
- Incorporated attached mitigaiton measures which deal with TCRs, discoveries, tribal monitoring and worker training.

The NVYT/NCP would like to set up a meeting and continue consultation on the proposed project. The NVYT/NCP has identified cultural resources in and around your project area, and requests a site visit to confirm locations. Thank you again for taking these matters into consideration, and for involving the NVYT/NCP early in the planning process. We look forward to reviewing the documents requested above and consulting on your project. Please contact me by phone 209.649.8972 or email at canutes@verizon.netif you have any questions. 7C

Sincerely,

Katherine Erolinda Perez, Chairwoman
Nototomne Cultural Preservation
Northern Valley Yokut / Ohlone / Bay Miwuk / Patwin
P.O Box 717
Linden, CA 95236
Cell: 209.649.8972
Email: canutes@verizon.net

Responses to Comment # 7, Nototumne Cultural Preservation, Northern Valley Yokuts Tribe

Response 6A: As discussed in the Draft EIR, a cultural resources study was performed on both the Hoggan and Sanchez projects. These studies include a search of the California Historical Resources Information System records, additional research and an intensive pedestrian survey of each of the project sites. As noted in the EIR, the specific findings of these reports are confidential; however, a copy of each report has been provided to the Tribe per their request. The Tribe will be included in the distribution of notices of availability of additional documents related to cultural resources.

The Tribe was provided with notice of the availability of the Draft EIR on the project, including the above-mentioned cultural resources report materials. All cultural resources information of record was documented in the cultural resources reports for the project. The commenter's disclosure that there are several significant historical resources and tribal cultural resources in the project area that qualify as eligible properties for listing to the local, state and federal registers adds to the information included in the cultural resources reports and the EIR. This information will not be disclosed in this public Final EIR but will be considered in discussions between the Tribe and the City with regard to this project.

Response 6B: The City has been in active communication with the Tribe during the preparation of this Final EIR. The concerns listed are among those being discussed and which are reflected in the final version of the cultural resource mitigation measures shown in Table 2-1. These mitigation measures were submitted to the Tribe for review and accepted as adequate for the proposed project.

Response 6C: The City of Stockton will continue to coordinate with the Northern Valley Yokuts tribe with respect to Tribal Cultural Resource concerns related to the project.

4.0 DRAFT EIR ERRATA

This section of the Final EIR identifies corrections, and the addition of new or revised information, to the Public Review Draft EIR. Changes to the EIR typically reflect the new or updated information that has become available since publication of the EIR or minor technical changes to the project that do not entail a significant impact on the environment. These changes to the Public Review Draft EIR are modifications or clarifications that build on the information provided in the Draft EIR but do not constitute "significant new information" requiring recirculation of the EIR pursuant to CEQA Guidelines Section 15088.5. Revisions are shown in this chapter in underline and/or strikeout as appropriate.

ERRATA TO DRAFT EIR CHAPTER 6.0, AIR QUALITY

In its Comment 4B on the DEIR, the San Joaquin Valley Air Pollution Control District referenced a recently-adopted 2018 PM 2.5 Plan, which would provide for significant reductions in HHD truck emissions. That information is reproduced below and added to the EIR "Air Quality Plans" section at the bottom of page 6-7.

> The San Joaquin Valley will not be able to attain stringent health-based federal air quality standards without significant reductions in emissions from HHD Trucks, the single largest source of NOx emissions in the San Joaquin Valley. The District recently adopted the 2018 PM2.5 Plan which includes significant new reductions from HHD Trucks, including emissions reductions by 2023 through the implementation of the California Air Resources Board (CARB) Statewide Truck and Bus Regulation, which requires truck fleets operating in California to meet the 2010 0.2 g/bhp-hr NOx standard by 2023. Additionally, to meet the federal air quality standards by the 2020 to 2024 attainment deadlines, the District's Plan relies on a significant and immediate transition of heavy duty truck fleets to zero or near-zero emissions technologies, including the near-zero truck standard of 0.02 g/bhphr NOx established by the California Air Resources Board.

In its Comment 4E on the DEIR, the San Joaquin Valley Air Pollution Control District recommended that the EIR be revised to include a discussion on the feasibility of implementing a Voluntary Emission Reduction Agreement (VERA) for the project. The following information provided by the District is hereby added to the EIR.

> A VERA is a mitigation measure by which the project proponent provides pound-for-pound mitigation of emissions increases through a process that develops, funds, and implements emission reduction projects, with the District serving a role of administrator of the emissions reduction projects and verifier of the successful mitigation effort. To implement a VERA, the project proponent and the District enter into a contractual agreement in which the project proponent agrees to mitigate Project specific emissions by providing funds for the District's

incentives programs. The funds are disbursed by the District in the form of grants for projects that achieve emission reductions. Thus, project-specific regional impacts on air quality can be fully mitigated. Types of emission reduction projects that have been funded in the past include electrification of stationary internal combustion engines (such as agricultural irrigation pumps), replacing old heavy-duty trucks with new, cleaner, more efficient heavy-duty trucks, and replacement of old farm tractors.

In implementing a VERA, the District verifies the actual emission reductions that have been achieved as a result of completed grant contracts, monitors the emission reduction projects, and ensures the enforceability of achieved reductions. After the project is mitigated, the District certifies to the Lead Agency that the mitigation is completed, providing the Lead Agency with an enforceable mitigation measure demonstrating that project-specific regional emissions have been mitigated to less than significant. The feasibility of adopting and implementing a VERA is a matter to be determined between the District and the project proponent.

The following text is added to the end of the discussion of Impact "AIR-4: Exposure of Sensitive Receptors to Toxic Air Contaminants" on page 6-14 of the Draft EIR in response to health risk-related comments and concerns from the San Joaquin Valley APCD and the California Air Resources Board.

The project area contains several existing sources of diesel particulate matter, which is defined as an air toxic. These sources include SR 99, the BNSF intermodal facility, local truck traffic and existing industrial development. These emissions were identified in the DEIR and found to be less than significant. However, in response to health risk-related comments and concerns on the DEIR from the APCD and the California Air Resources Board, a Health Risk Assessment (HRA) has been prepared to quantify the project's contributions to existing to existing air quality in the project vicinity. The HRA report, discussed in Section 4.0 Errata and shown in Appendix III of this Final EIR, finds that the project's maximum health risk contributions on lands surrounding the project site, including pollution-sensitive residential uses, would not exceed 5 cancers/million population. The predicted health risk contribution is approximately 25% of the State-defined significance threshold of 20 cancers/million. The HRA shows that potential health risks associated with diesel particulate matter would be less than significant.

The DEIR's conclusion of this analysis, that the project would have a less than significant effect in this issue area, is unchanged.

ERRATA TO DRAFT EIR CHAPTER 11.0, HAZARDS AND HAZARDOUS MATERIALS

After publication of the Draft EIR, the applicant provided copies of a Phase I Environmental Site Assessment (ESA), including the results of shallow soil sampling on the Sanchez property, for City consideration. These reports, prepared by Stantec, add information to the EIR with respect to site-specific hazardous materials and waste concerns, including the testing for the presence/absence of pesticide residues at levels that might involve a health risk to project development.

The following paragraphs summarize the scope and findings of the Stantec report and are hereby added to the Environmental Setting portion of DEIR Chapter 11.0

> Stantec conducted a Phase I ESA of the Sanchez property in conformance with the requirements of American Society for Testing and Materials (ASTM) Designation E 1527-13 and All Appropriate Inquiries (AAI) Final Rule 40 CFR Part 312, with certain exceptions defined in the report. Review of historical aerial photographs indicate the site has been in agricultural use from about 1937 to the present day. Agricultural uses can be a potential concern due to the possible application of pesticides and herbicides that contain heavy metals. Stantec identified this historic use as a recognized environmental condition (REC) and recommended assessment for these compounds and metals.
>
> Stantec advanced 34 soil borings across the site using a hand auger in October 2018, and each soil sample was submitted for analysis of organochlorine pesticides by EPA Method 8081A and for the metals associated with herbicides, arsenic and lead by EPA Method 6010B. The results showed the presence of organochlorine pesticides at concentrations below the Department of Toxic Substances Control (DTSC) Human Health Risk (HERO Note 3) and/or United States Regional Screening Levels (US EPA RSLs) for residential sites. Cumulative concentrations of organochlorine pesticides compounds were reported above the California hazardous waste level of 1.0 milligrams per kilogram (mg/kg) in one location. Arsenic was reported above residential RSLs in all 34 samples collected at concentrations ranging from 2.0 to 3.3mg/kg. Stantec noted that arsenic occurs naturally throughout California at levels significantly exceeding the RSL, and the reported arsenic concentration is well within the range of naturally-occurring expected background levels for arsenic in California. Lead was reported in all of the 34 samples collected at concentrations detected below the residential RSL.
>
> Based on the above results, Stantec concluded that the historical agricultural use of the property does not represent a REC or a human health risk in light of the proposed industrial use of the property

The subject report is shown in Appendix II of this Final EIR.

In its comments on the DEIR, the California Department of Toxic Substances Control (DTSC) indicated a concern that aerially-deposited lead (ADL) might be present in

roadside soils in the project area. Lead compounds were added to gasoline from the 1920s until lead was banned as a fuel additive in 1992. The presence of high levels of ADL along or under roadsides in the project area is highly unlikely. Google Earth historical imagery indicates that land uses along Arch Road east of Frontier Avenue were almost exclusively agricultural until at least 1998. One correctional facility was accessed from Arch Road and another from the south leg of Newcastle Road. The industrial uses now predominant in the project area, and the attendant light vehicle and truck traffic, did not exist during the period lead was being used as a fuel additive. Nonetheless, the City will require limited testing of roadside soils to define what, if any, lead compounds are present. The following mitigation is added to the Summary Table in Section 2.0 of this Final EIR.

> HAZ-1: The applicant shall conduct limited soil testing along sections of Arch Road and Austin Road for the presence of lead-based compounds that exceed state health standards and take precautions as needed to prevent exposure of construction workers or the public from any associated health risks.

FEIR APPENDIX I
PUBLIC REVIEW MATERIAL

CITY OF STOCKTON

COMMUNITY DEVELOPMENT DEPARTMENT
Permit Center • 345 N El Dorado Street • Stockton, CA 95202 • (209) 937-8444 • Fax (209) 937-8893
www.stocktonca.gov

CITY OF STOCKTON PUBLIC NOTICE OF AVAILABILITY DRAFT ENVIRONMENTAL IMPACT REPORT

(Pursuant to Public Resources Code Sections 21092 and 21092.3 and Cal. Code of Regulations Title 14, Section 15087)

The City of Stockton Community Development Department has completed, independently reviewed and analyzed the following Environmental Impact Report: Draft Environmental Impact Report (DEIR) SCH #2020020006 for the Sanchez-Hoggan Annexation Project (P19-0691). The project applicant proposes to develop industrial and warehousing facilities on two sites: Sanchez (149.01 acres APN 181-100-09) and Hoggan (20.76 acres, APN 179-200-27). The Sanchez project is located at the northwest corner of the intersection of Arch Road and Austin Road. The Hoggan site is located between North Littlejohns Creek and existing development along the north side of Gold River Lane. Both properties are adjacent to the current Stockton city limits. The project will require San Joaquin LAFCO approval of annexation to the City, and City of Stockton approvals of Prezoning and a Tentative Parcel Map.

The Draft EIR describes significant environmental effects in the following issue areas.

Aesthetics	Hazards and Hazardous Materials
Agricultural Resources	Hydrology
Air Quality	Land Use
Biological Resources	Noise
Cultural Resources	Public Services
Geology and Soils	Transportation
Greenhouse Gas Emissions	Utilities

The project sites do not appear on any of the lists of sites enumerated under Section 65962.5 of the Government Code. The Draft EIR will be available for review from March 6, 2020 to April 22, 2020. A copy of the Draft EIR may be reviewed and/or obtained at the following addresses:

http://www.stocktonca.gov/government/departments/communityDevelop/cdPlanEnv.html

Community Development Department
Planning and Engineering Division
345 North El Dorado Street
Stockton, CA 95202

Any written comments on this document must be received at this same address or at matt.diaz@stocktonca.gov no later than **April 22, 2020.** Please send a legible, signed letter including your printed name, address and phone number where you may be contacted. Further information may be obtained by contacting Matt Diaz at the Community Development Department at (209) 937-8598.

The Record

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03/06/2020	SR The Record	SR CLS Legals	DISPLAY AD CITY OF STOCKTON PUBLIC NOTICE OF /	1	2.00 x 54 Li	$319.93
03/06/2020	SR Record Market	SR CLS Legals	DISPLAY AD CITY OF STOCKTON PUBLIC NOTICE OF /	1	2.00 x 54 Li	$107.00
03/06/2020			VISA			$(426.93)

The Record

Dept. LA 21670
Pasadena, CA 91185-1670
To place an ad: (209) 943-1112
Toll Free (800) 606-9741
Billing/Invoice questions: (209) 546-8214

Amount to Pay : **$0.00**

Legal Advertising Invoice

Customer Number:	2092248213
Order Number :	183889
PO Number:	City of Stockton NOA
Billing Date:	03/06/2020
Due Date:	03/06/2020

THE RECORD
PROOF OF PUBLICATION

STATE OF CALIFORNIA
COUNTY OF SAN JOAQUIN

THE UNDERSIGNED SAYS:

I am a citizen of the United States and a resident of San Joaquin County; I am over the age of 18 years and not a part to or interested in the above-entitled matter. I am the principal clerk of the printer of THE RECORD, a newspaper of general publication, printed and published daily in the City of Stockton, County of San Joaquin by the Superior Court of the County of San Joaquin, State of California, under the date of February 26, 1952, File No. 52857, San Joaquin County Records; that the notice of which the annexed is a printed copy (set in type not smaller than nonpareil), has been published each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, To wit,

March 06 2020

I declare under penalty of perjury that the foregoing is true and correct. Executed on March 6, 2020 In Stockton California

Delailah Little,
The Record

0000183889

CITY OF STOCKTON PUBLIC NOTICE OF AVAILABILITY
DRAFT ENVIRONMENTAL IMPACT REPORT
(Pursuant to Public Resources Code Sections 21092 and 21092.3 and Cal. Code of Regulations Title 14, Section 15087)

The City of Stockton Community Development Department has completed, independently reviewed and analyzed the following Environmental Impact Report: Draft Environmental Impact Report (DEIR) SCH #2020020006 for the Sanchez-Hoggan Annexation Project (P19-0691). The project applicant proposes to develop industrial and warehousing facilities on two sites: Sanchez (149.01 acres APN 181-100-09) and Hoggan (20.76 acres, APN 179-200-27). The Sanchez project is located at the northwest corner of the intersection of Arch Road and Austin Road. The Hoggan site is located between North Littlejohns Creek and existing development along the north side of Gold River Lane. Both properties are adjacent to the current Stockton city limits. The project will require San Joaquin LAFCO approval of annexation to the City, and City of Stockton approvals of Prezoning and a Tentative Parcel Map.

The Draft EIR describes significant environmental effects in the following issue areas.

Aesthetics	Hazardous Materials
Agricultural Resources	Hydrology
Air Quality	Land Use
Biological Resources	Noise
Cultural Resources	Public Services
Geology and Soils	Transportation
Greenhouse Gas Emissions	Utilities

The project sites do not appear on any of the lists of sites enumerated under Section 65962.5 of the Government Code. The Draft EIR will be available for review from March 6, 2020 to April 22, 2020. A copy of the Draft EIR may be reviewed and/or obtained at the following addresses:

http://www.stocktonca.gov/government/departments/communityDevelop/cdPlanEnv.html

Community Development Department
Planning and Engineering Division
345 North El Dorado Street
Stockton, CA 95202

Any written comments on this document must be received at this same address or at matt.diaz@stocktonca.gov no later than April 22, 2020. Please send a legible, signed letter including your printed name, address and phone number where you may be contacted. Further information may be obtained by contacting Matt Diaz at the Community Development Department at (209) 937-8598.

#183889 3/6/20

SANCHEZ HOGGAN EIR NOTICE OF AVAILABILITY DISTRIBUTION LIST

Tє Tє GROUP	Tє Tє Agency	Representative	Street	City State	Zip
_MAJOR	Campaign for Common Ground	Attn: Eric Parfrey	P.O. Box 693545	Stockton, CA	95269
_MAJOR	Central Valley Farmland Trust	Attn: Charlotte Mitchell	9245 Laguna Springs Dr #110	Elk Grove, CA	95758
_MAJOR	Morada Area Association PMD 123	Attn: Richard Shaffer	5053 Cozad Wy	Morada, CA	95212
_MAJOR	Morada Municipal Advisory Council		44 N San Joaquin St, Ste 627	Stockton, CA	95202
_MAJOR	Sierra Club - Delta Sierra Group	Attn: Dale Stocking	P.O. Box 9258	Stockton, CA	95208
COS	City Attorney	Attn: Lori Asuncion	425 N El Dorado Street, 2nd Floor	Stockton, CA	95202
COS	City Manager	Attn: Kurt Wilson	425 N El Dorado Street, 2nd Floor	Stockton, CA	95202
COS	Community Dev Dept	Engineering Services McDowell	345 N El Dorado Street	Stockton, CA	95202
COS	Community Dev. Dept.	Planning Division	345 N El Dorado Street	Stockton, CA	95202
COS	Economic Development Department	Attn: Carrie Wright	400 E Main St, 4th Floor	Stockton, CA	95202
COS	Fire Prevention Division	Phil Simon	345 N El Dorado Street	Stockton, CA	95202
COS	Municipal Utilities Dept	Jeff Willette	2500 Navy Drive	Stockton, CA	95206
COS	Police Dept	Erin Mettler	22 E Market Strret	Stockton, CA	95202
COS	Public Work	Solid Waste	22 E Weber Avenue, 3rd Floor	Stockton, CA	95202
COS	22 e weber	Traffic-Engineering	22 E Weber Avenue, 3rd Floor	Stockton, CA	95202
COS	Public Works Dept	Admin/ Engin Attn Eric Alvarez	22 E Weber Avenue, 3rd Floor	Stockton, CA	95202
COS	Public Works Dept Parks Planner	Victor Machado			
COUNTY	Environmetal Health Department		1868 E Hazelton Ave	Stockton,CA	95205
COUNTY	Public Works Dept	Design Engineering	1868 E Hazelton Ave	Stockton, CA	95205
COUNTY	Public Works Dept	Solid Waste Division	1868 E Hazelton Ave	Stockton, CA	95205
COUNTY	SJ Flood Control		PO Box 1810	Stockton,CA	95201
FED	Federal Aviation Administration	Western-Pacific Region	PO Box 92007	Los Angeles, CA	90009
FIRE	Waterloo-Morada Fire District		6925 E Foppiano Lane	Stockton, CA	95212
INDIAN	American Indian Council of Mariposa County	Lois Martin	PO Box 186	Mariposa, CA	95338
INDIAN	Buena Vista Rancheria of Me-Wuk Indians	Rhonda Morningstar Pope	1418 20th St, Suite 200	Sacramento, CA	95811
INDIAN	California Valley Miwok Tribe		PO Box 395	West Point, CA	95255
INDIAN	Ione Band of Miwok Indians	Yvonne Miller	PO Box 669	Plymouth, CA	95669
INDIAN	Ione Band of Miwok Indians	Randy Yonemura, Cultural Committee	PO Box 669	Plymouth, CA	95669
INDIAN	Northern Valley Yokuts	Katherine Erolinda Perez, MLD	PO Box 717	Linden, CA	95236
INDIAN	Torres Martinez Desert Cahuilla Indians		PO Box 1160	Thermal, CA	92274
INDIAN	United Auburn Indian Community of the Auburn Ranch	Gene White House, Chairman	10720 Indian Hill Rd	Auburn, CA	95603
INDIAN	Wilton Rancheria, Environmental Resources Departmer	Antonio Ruiz, Cultural Resource Officer	9728 Kent St	Elk Grove, CA	95624

INDIAN	Wilton Rancheria, Environmental Resources Departmer	Raymond Hitchock	9728 Kent St	Elk Grove, CA	95624
LIB	Cesar Chavez Library	Reference Desk	605 N El Dorado Street	Stockton, CA	95202
LIB	Maya Angelou SE Library	Reference Desk	2324 Pock Lane	Stockton,CA	95205
LIB	MK Troke Library	Reference Desk	502 W Benjamin Holt Drive	Stockton,CA	95207
LIB	Weston Ranch Library	Reference Desk	1453 W French Camp Road	Stockton,CA	95206
OTHER	ATT		2300 East Eight Mile Road Room 101	Stockton,CA	95210
OTHER	Burlington Northern & SFRR		2500 Lou Menk Dr	Fort Worth, TX	76131
OTHER	Cal. Water Service Company		1505 E Sonora Street	stockton,CA	95205
OTHER	Comcast		6505 Tam O'Shanter Drive	Stockton,CA	95210
OTHER	Montezuma Fire District		2405 S B Street	Stockton,CA	95206
OTHER	PG&E Stockton	Land Department	4040 West Lane	Stockton,CA	95204
OTHER	Public Works	SJ Area Flood Control	City Hall		
OTHER	Union Pacific Railroad	Manager of Engineering	833 East 8th Street	Stockton,CA	95206
OTHERS	American Farmland Trust		455 Capitol Mall Suite 410	Sacramento, CA	95814
OTHERS	BIA of the Greater Valley	Attn: John Beckman	1701 W March Lane, Suite F	Stockton, CA	95207
OTHERS	Builders' Exchange of Stockton	Attn: Mike Self	7500 West Lane	Stockton, CA	95210
OTHERS	California Rural Legal Assistance	Attn: Tabinda Riaz	145 E Weber Avenue	Stockton, CA	95202
OTHERS	Come Back Club	Attn: Tim Dearborn	1759 N. San Joaquin Street	Stockton, CA	95204
OTHERS	Connections		P.O. Box 4123	Stockton, CA	95204
OTHERS	Delta Keeper	Carrie McNeil	445 Weber Av, Ste 137B	Stockton, CA	95203
OTHERS	Downtown Stockton Alliance	Cindi Fargo, Executive Director	PO Box 2375	Stockton, CA	95201
OTHERS	French Camp	Municipal Advisory council	P.O. Box 54	French Camp, CA	95231-0054
OTHERS	Land Utilization Alliance		P.O. Box 1259	Stockton, CA	95201
OTHERS	Marsha A Burch Attorney	attn: Marsha Burch	131 South Auburn Street	Grass Valley, CA	95945
OTHERS	Miracle Mile Improvement District		2540 Pacific Av., Ste 3	Stockton, CA	95204
OTHERS	Newmark Cornish & Carey	John Newton	3005 Douglas Blvd, Ste 130	Roseville, CA	95661
OTHERS	Northern California Carpenters Regional Council	Attn: Alex Lantsberg, Research Departr	265 Hegenberger Rd., Suite 220	Oakland, CA	94621
OTHERS	Oak Grove Docent Council		4520 W. Eight Mile Road	Stockton, CA	95209
OTHERS	San Francisco Bay Keeper		785 Market Street, Suite 850	San Francisco, CA	94103
OTHERS	San Joaquin Audobon Society		PO Box 7755	Stockton, CA	95267
OTHERS	San Joaquin Business Council	Attn: Jane Butterfield	2800 W. March Lane, Suite 470	Stockton, CA	95219
OTHERS	San Joaquin Farm Bureau Federation	Land Use & Environmental Affairs	3290 N Ad Art Road	Stockton, CA	95215
OTHERS	San Joaquin Partnership	Attn: Mike Amman	2800 W. March Lane, suite 470	Stockton, CA	95219
OTHERS	Shute, Mihaly & Weinberger LLP (Concerned Citizens C	Attn: Brian Johnson	396 Hayes Street	San Francisco, CA	94102
OTHERS	Sierra Club	Delta-Sierra Group	PO Box 9258	Stockton, CA	95208
OTHERS	Sierra Club of California	Delta-Sierra Group	909 12th Street, Suite 202	Sacramento, CA	95814

OTHERS	SJ Co. Economic Development Assn.		56 S Lincoln St	Stockton, CA	95203
OTHERS	Stockton Beautiful		250 Dorris Place	Stockton, CA	95204
OTHERS	Stockton Bicycle Club		P.O. Box 4702	Stockton, CA	95204
OTHERS	Stockton Chamber of Commerce	Attn: Frank Ferral	445 West Weber Avenue #220	Stockton, CA	95203
OTHERS	The Record		530 E Market Street	Stockton, CA	95202
OTHERS	Woodbridge Irrigation District	Attn: Jennifer Duffy, Ofc. Mgr	PO Box 580	Woodbridge, CA	95258
PRA-REQ	Lozeau Drury LLP	Attn:Richard Drury and Theresa Retting	410 12th Street STE 250	Oakland, CA	94607
PRA-REQ OTHER	Abbott and Kindermann		2100 21st Street	Sacramento, CA	95818
PUBLIC	City of Lodi	Planning Department	221 West Pine Street	Lodi, CA	95241-1910
PUBLIC	LAFCo	Attn: Jim Glaser	509 W Weber Avenue, Suite 420	Stockton, CA	95203
PUBLIC	San Joaquin County Environmental Health Services	Attn: Donna Heran	1868 Hazelton Avenue	Stockton, CA	95205
PUBLIC	San Joaquin Regional Transit District (SJRTD)	Planning Division	P.O. Box 201010	Stockton, CA	95201
SCHOOL	Stockton Unified School District	Attn: Steve Breakfield	1944 El Pinal Dr.	Stockton, CA	95205
SJCO	SJCO Community Development Department	Planning Division	1810 E Hazelton Ave	Stockton, CA	95205
SJCO	SJCOG INC	Proj. Dev./Habitat Plan	555 E. Weber Avenue	Stockton, CA	95202
SPECIAL	San Joaquin Valley Air Pollution Control District	CEQA ISR	4800 Enterprise Way	Modesto, CA	95356
STATE	Caltrans	District 10	PO Box 2048	Stockton, CA	95201
STATE	State Clearinghouse (15)	Office of Planning & Research	P O Box 3044	Sacramento, CA	95812-3044
STATE	Dept of Corrections and Rehabilitation	Facility Planning & Construction	PO Box 942883	Sacramento, CA	94283-0001
STATE	Native American Heritage Commission		1550 Harbor Blvd, Suite 100	West Sacramento, CA	95691
STATE	Regional Water Quality Contriol Board	Central Valley Regioln 5	11020 Sun Center Drive #200	Rancho Cordova	95670

State of California - Department of Fish and Wildlife

2020 ENVIRONMENTAL FILING FEE CASH RECEIPT

DFW 753.5a (REV. 12/01/19) Previously DFG 753.5a

RECEIPT NUMBER: 39-03062020-080

STATE CLEARINGHOUSE NUMBER *(If applicable)*

SEE INSTRUCTIONS ON REVERSE. TYPE OR PRINT CLEARLY.

LEAD AGENCY	LEADAGENCY EMAIL	DATE
CITY OF STOCKTON		03/06/2020

COUNTY/STATE AGENCY OF FILING	DOCUMENT NUMBER
SAN JOAQUIN	39-03062020-080

PROJECT TITLE

DEVELOP INDUSTRIAL AND WAREHOUSING FACILITIES ON TWO SITES, SANCHEZ AND HOGGAN

PROJECT APPLICANT NAME	PROJECT APPLICANT EMAIL	PHONE NUMBER
CITY OF STOCKTON		(209) 937-8444

PROJECT APPLICANT ADDRESS	CITY	STATE	ZIP CODE
345 NORTH EL DORADO ST	STOCKTON	CA	95202

PROJECT APPLICANT *(Check appropriate box)*

☒ Local Public Agency ☐ School District ☐ Other Special District ☐ State Agency ☐ Private Entity

CHECK APPLICABLE FEES:

☐ Environmental Impact Report (EIR)	$3,343.25	$
☐ Mitigated/Negative Declaration (MND)(ND)	$2,406.75	$
☐ Certified Regulatory Program (CRP) document - payment due directly to CDFW	$1,136.50	$

☐ Exempt from fee

- ☐ Notice of Exemption (attach)
- ☐ CDFW No Effect Determination (attach)

☐ Fee previously paid (attach previously issued cash receipt copy)

☐ Water Right Application or Petition Fee (State Water Resources Control Board only)	$850.00	$
☐ County documentary handling fee		$
☐ Other		$

PAYMENT METHOD:

☐ Cash ☐ Credit ☐ Check ☐ Other

TOTAL RECEIVED $ $0.00

SIGNATURE	AGENCY OF FILING PRINTED NAME AND TITLE
x Kelley McHugh	Kelley McHugh ,Deputy

ORIGINAL - PROJECT APPLICANT | COPY - CDFW/ASB | COPY - LEAD AGENCY | COPY - COUNTY CLERK | DFW 753.5a (Rev. 12012019)

State of California - Department of Fish and Wildlife

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SIGNATURE	AGENCY OF FILING PRINTED NAME AND TITLE
X Kelley McHugh	Kelley McHugh ,Deputy

ORIGINAL - PROJECT APPLICANT COPY - CDFW/ASB COPY - LEAD AGENCY COPY - COUNTY CLERK DFW 753.5a (Rev. 12012019)

Filed Doc #: 39-03062020-080
03/06/2020 11:47:57 AM
Steve J. Bestolarides
San Joaquin County Clerk

CITY OF STOCKTON

COMMUNITY DEVELOPMENT DEPARTMENT
Permit Center • 345 N El Dorado Street • Stockton, CA 95202 • (209) 937-8444 • Fax (209) 937-8893
www.stocktonca.gov

CITY OF STOCKTON PUBLIC NOTICE OF AVAILABILITY DRAFT ENVIRONMENTAL IMPACT REPORT

(Pursuant to Public Resources Code Sections 21092 and 21092.3 and Cal. Code of Regulations Title 14, Section 15087)

The City of Stockton Community Development Department has completed, independently reviewed and analyzed the following Environmental Impact Report: Draft Environmental Impact Report (DEIR) SCH #2020020006 for the Sanchez-Hoggan Annexation Project (P19-0691). The project applicant proposes to develop industrial and warehousing facilities on two sites: Sanchez (149.01 acres APN 181-100-09) and Hoggan (20.76 acres, APN 179-200-27). The Sanchez project is located at the northwest corner of the intersection of Arch Road and Austin Road. The Hoggan site is located between North Littlejohns Creek and existing development along the north side of Gold River Lane. Both properties are adjacent to the current Stockton city limits. The project will require San Joaquin LAFCO approval of annexation to the City, and City of Stockton approvals of Prezoning and a Tentative Parcel Map.

The Draft EIR describes significant environmental effects in the following issue areas.

Aesthetics	Hazards and Hazardous Materials
Agricultural Resources	Hydrology
Air Quality	Land Use
Biological Resources	Noise
Cultural Resources	Public Services
Geology and Soils	Transportation
Greenhouse Gas Emissions	Utilities

The project sites do not appear on any of the lists of sites enumerated under Section 65962.5 of the Government Code. The Draft EIR will be available for review from March 6, 2020 to April 22, 2020. A copy of the Draft EIR may be reviewed and/or obtained at the following addresses:

http://www.stocktonca.gov/government/departments/communityDevelop/cdPlanEnv.html

Community Development Department
Planning and Engineering Division
345 North El Dorado Street
Stockton, CA 95202

Any written comments on this document must be received at this same address or at matt.diaz@stocktonca.gov no later than **April 22, 2020.** Please send a legible, signed letter including your printed name, address and phone number where you may be contacted. Further information may be obtained by contacting Matt Diaz at the Community Development Department at (209) 937-8598.

Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P.O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH # 2020020006

Project Title: Sanchez-Hoggan Annexation Project

Lead Agency: City of Stockton Community Development Department | Contact Person: Matt Diaz

Mailing Address: 345 N El Dorado St, Stockton, CA 95202 | Phone: 209-937-8598

City: Stockton | Zip: 95202 | County: San Joaquin

Project Location: County: San Joaquin | City/Nearest Community: Stockton

Cross Streets: Arch Road and Austin Road | Zip Code: 95215

Longitude/Latitude (degrees, minutes and seconds): 37 ° 54 ' 30 " N / 121 ° 11 ' 18 " W Total Acres: 169.77

Assessor's Parcel No.: 181-100-09, 179-200-27 | Section: 27, 59, 60 | Twp.: 1N | Range: 7E | Base: MDBM

Within 2 Miles: State Hwy #: 99 | Waterways: North Littlejohns Creek, Weber Slough

Airports: Stockton | Railways: BNSF | Schools: None

Document Type:

CEQA: ☐ NOP ☒ Draft EIR | NEPA: ☐ NOI | Other: ☐ Joint Document
☐ Early Cons ☐ Supplement/Subsequent EIR | ☐ EA | ☐ Final Document
☐ Neg Dec (Prior SCH No.) | ☐ Draft EIS | ☐ Other:
☐ Mit Neg Dec Other: | ☐ FONSI

Governor's Office of Planning & Research

MAR 06 2020

STATE CLEARINGHOUSE

Local Action Type:

☐ General Plan Update ☐ Specific Plan ☐ Rezone ☒ Annexation
☐ General Plan Amendment ☐ Master Plan ☒ Prezone ☐ Redevelopment
☐ General Plan Element ☐ Planned Unit Development ☐ Use Permit ☐ Coastal Permit
☐ Community Plan ☒ Site Plan ☐ Land Division (Subdivision, etc.) ☒ Other: Williamson Act Contract

Development Type:

☐ Residential: Units _____ Acres _____
☐ Office: Sq.ft. _____ Acres _____ Employees _____ ☐ Transportation: Type _____
☐ Commercial: Sq.ft. _____ Acres _____ Employees _____ ☐ Mining: Mineral _____
☒ Industrial: Sq.ft. 3.1 million Acres 169.77 Employees _____ ☐ Power: Type _____ MW _____
☐ Educational: _____ ☐ Waste Treatment: Type _____ MGD _____
☐ Recreational: _____ ☐ Hazardous Waste: Type _____
☐ Water Facilities: Type _____ MGD _____ ☐ Other: _____

Project Issues Discussed in Document:

☒ Aesthetic/Visual ☐ Fiscal ☐ Recreation/Parks ☒ Vegetation
☒ Agricultural Land ☒ Flood Plain/Flooding ☐ Schools/Universities ☒ Water Quality
☒ Air Quality ☐ Forest Land/Fire Hazard ☐ Septic Systems ☒ Water Supply/Groundwater
☒ Archeological/Historical ☒ Geologic/Seismic ☒ Sewer Capacity ☒ Wetland/Riparian
☒ Biological Resources ☐ Minerals ☒ Soil Erosion/Compaction/Grading ☒ Growth Inducement
☐ Coastal Zone ☒ Noise ☒ Solid Waste ☒ Land Use
☒ Drainage/Absorption ☐ Population/Housing Balance ☒ Toxic/Hazardous ☒ Cumulative Effects
☐ Economic/Jobs ☒ Public Services/Facilities ☒ Traffic/Circulation ☐ Other:

Present Land Use/Zoning/General Plan Designation:

Stockton General Plan designation: Industrial. San Joaquin County Zoning: Agriculture AG-40

Project Description: *(please use a separate page if necessary)*

Development of two properties for industrial warehousing and distribution use. Both are adjacent to existing approved and partially-developed Norcal Logistics Center. Project would include buildings, site improvements, off-site road and utility improvements, on-site storm drainage detention and pumping facilities.

Note: The State Clearinghouse will assign identification numbers for all new projects. If a SCH number already exists for a project (e.g. Notice of Preparation or

Reviewing Agencies Checklist

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with and "X".
If you have already sent your document to the agency please denote that with an "S".

____	Air Resources Board	____	Office of Historic Preservation
____	Boating & Waterways, Department of	____	Office of Public School Construction
____	California Emergency Management Agency	____	Parks & Recreation, Department of
____	California Highway Patrol	____	Pesticide Regulation, Department of
X	Caltrans District # 10	____	Public Utilities Commission
____	Caltrans Division of Aeronautics	X	Regional WQCB # 5
____	Caltrans Planning	____	Resources Agency
____	Central Valley Flood Protection Board	____	Resources Recycling and Recovery, Department of
____	Coachella Valley Mtns. Conservancy	____	S.F. Bay Conservation & Development Comm.
____	Coastal Commission	____	San Gabriel & Lower L.A. Rivers & Mtns. Conservancy
____	Colorado River Board	____	San Joaquin River Conservancy
X	Conservation, Department of	____	Santa Monica Mtns. Conservancy
X	Corrections, Department of	____	State Lands Commission
____	Delta Protection Commission	____	SWRCB: Clean Water Grants
____	Education, Department of	____	SWRCB: Water Quality
____	Energy Commission	____	SWRCB: Water Rights
X	Fish & Game Region # 2	____	Tahoe Regional Planning Agency
____	Food & Agriculture, Department of	____	Toxic Substances Control, Department of
____	Forestry and Fire Protection, Department of	____	Water Resources, Department of
____	General Services, Department of		
____	Health Services, Department of	____	Other:
____	Housing & Community Development	____	Other:
____	Native American Heritage Commission		

Local Public Review Period (to be filled in by lead agency)

Starting Date March 6, 2020 Ending Date April 22, 2020

Lead Agency (Complete if applicable):

Consulting Firm: BaseCamp Environmental, Inc.
Address: 115 S School Street, Suite 14
City/State/Zip: Lodi, CA 95240
Contact: Charlie Simpson
Phone: 209-224-8213

Applicant: CT Realty
Address: 4343 Von Karman Ave, Suite 200
City/State/Zip: Newport Beach, CA 92660
Phone: 949-431-6400

Signature of Lead Agency Representative: _____ **Date:** 3-6-2020

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

Print From

Summary Form for Electronic Document Submittal

Form F

Lead agencies may include 15 hardcopies of this document when submitting electronic copies of Environmental Impact Reports, Negative Declarations, Mitigated Negative Declarations, or Notices of Preparation to the State Clearinghouse (SCH). The SCH also accepts other summaries, such as EIR Executive Summaries prepared pursuant to CEQA Guidelines Section 15123. Please include one copy of the Notice of Completion Form (NOC) with your submission and attach the summary to each electronic copy of the document.

SCH #: 2020020006

Project Title: Sanchez-Hoggan Annexation Project

Lead Agency: City of Stockton Community Development Department

Contact Name: Matt Diaz

Email: matt.diaz@stocktonca.gov Phone Number: 209-937-8598

Project Location: Stockton, San Joaquin County
City *County*

Project Description (Proposed actions, location, and/or consequences).

The project involves annexation and pre-zoning of two parcels by the City of Stockton for the purposes of light industrial development. The Sanchez property of 149.01 acres is located at the northwest corner of Arch Road and Austin Road, and the 20.76-acre Hoggan property is located at the northern end of Frontier Way and south of North Littlejohns Creek. Both properties are adjacent to the southeastern Stockton city limits in the unincorporated area of San Joaquin County. Proposed development of the project site consists of light industrial development, mainly "high-cube" warehouses, with a total building area of 3.1 million square feet. The Sanchez property would accommodate 2.8 million square feet of development in four buildings, while the Hoggan property would accommodate 0.3 million square feet in one building. The EIR also considers the option consists of developing two buildings on the Sanchez property totaling approximately 1.8 million square feet of building area that would accommodate a modified warehousing and distribution use known as the Market Driven Project. development called Project 920 and potential fulfillment center land use. The project would be served with street access and utility service from existing facilities in the immediate project vicinity.

Identify the project's significant or potentially significant effects and briefly describe any proposed mitigation measures that would reduce or avoid that effect.

Biological resources, potentially significant impacts mitigated to a less than significant level through participation in the San Joaquin County Multi-Species Habitat Conservation Plan, and compliance with City oak tree regulations.
Cultural resources. Potential construction impacts on subsurface resources would be mitigated to a less than significant level through stop work and resource evaluation requirements in the event of inadvertent discoveries.
Geologic hazards exposure would be mitigated to a less than significant level through conformance with geotechnical report requirements.
Paleontological resources impacts on would be mitigated to a less than significant level through stop work and evaluation requirements in the event of inadvertent discoveries during construction.
Greenhouse gas effects would be mitigated through conformance with Best Management Practices specified in the Stockton Climate Action Plan but would remain potentially significant and unavoidable.
Construction noise impacts would be mitigated to a less than significant level through construction hours limits.
Long fire response time would be mitigated by requiring Early Suppression Fast Response fire sprinkler systems.
Potentially significant traffic effects at one intersection would be mitigated to a less than significant level through payment of proportionate share costs, or construction of required improvements as needed.

If applicable, describe any of the project's areas of controversy known to the Lead Agency, including issues raised by agencies and the public.

The project will involve significant environmental effects as summarized above. The project is, however, consistent with the adopted Stockton General Plan, and most or all of these impacts would be reduced to a less than significant level. No other areas of controversy have been identified.

Provide a list of the responsible or trustee agencies for the project.

San Joaquin County LAFCo
California Department of Fish and Wildlife
State Water Resources Control Board
Regional Water Quality Control Board, Central Valley Region
U. S. Army Corps of Engineers

FEIR APPENDIX II
PHASE I AND II ENVIRONMENTAL SITE ASSESSMENT REPORT

Phase I Environmental Site Assessment and Shallow Soil Sampling, Sanchez Farmland, APN 181-100-090-000, Stockton, California

Prepared for:
CTR Partners LLC
4343 Von Karman Ave., Suite 200
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Prepared by:
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735 East Carnegie Drive, Suite 280
San Bernardino, California 92408

Project No.: 185804299

November 2, 2018

Sign-off Sheet and Signatures of Environmental Professionals

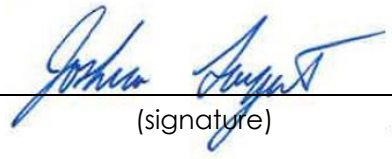
This document entitled Phase I Environmental Site Assessment and Shallow Soil Sampling, Sanchez Farmland, APN 181-100-090-000, Stockton, California was prepared by Stantec Consulting Services Inc. (Stantec) for the account of CTR Partners LLC The material in it reflects Stantec's best judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Stantec accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

All information, conclusions, and recommendations provided by Stantec in this document regarding the Phase I ESA have been prepared under the supervision of and reviewed by the professionals whose signatures appear below.

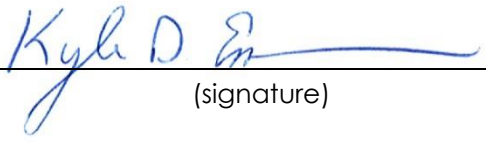
I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the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

Author 
(signature)

Alicia Jansen
Associate Scientist

Reviewer 
(signature)

Joshua Sargent, M.S.
Project Geologist

Reviewer 
(signature)

Kyle Emerson, P.G., C.E.G. 1271
Managing Principal Geologist

Table of Contents

ABBREVIATIONS ..... **I**
1.0 SUMMARY **1.1**
2.0 INTRODUCTION **2.1**
2.1 PROPERTY DESCRIPTION 2.2
2.2 SPECIAL TERMS, CONDITIONS, AND SIGNIFICANT ASSUMPTIONS 2.2
2.3 EXCEPTIONS AND LIMITING CONDITIONS 2.2
2.4 PERSONNEL QUALIFICATIONS 2.4
3.0 USER-PROVIDED INFORMATION **3.1**
4.0 RECORDS REVIEW **4.1**
4.1 PHYSICAL SETTING 4.1
4.1.1 Property Topography and Surface Water Flow 4.1
4.1.2 Regional and Property Geology 4.1
4.1.3 Regional and Property Hydrogeology 4.2
4.2 FEDERAL, STATE AND TRIBAL ENVIRONMENTAL RECORDS 4.2
4.2.1 Listings for Property 4.2
4.2.2 Listings for Nearby Sites with Potential to Impact Property 4.3
4.3 LOCAL/REGIONAL ENVIRONMENTAL RECORDS 4.3
4.3.1 Local Health Department 4.3
4.3.2 Fire Department 4.4
4.3.3 Regional Water Quality Control Board 4.4
4.3.4 Local Building and/or Planning Department Records 4.4
4.4 HISTORICAL RECORDS REVIEW 4.4
4.4.1 Land Title Records/Deeds 4.4
4.4.2 Aerial Photographs 4.4
4.4.3 City Directories 4.5
4.4.4 Historical Fire Insurance Maps 4.5
4.4.5 Historical Topographic Maps 4.6
4.4.6 Other Historical Sources 4.6
5.0 SITE RECONNAISSANCE **5.1**
5.1 SITE RECONNAISSANCE METHODOLOGY 5.1
5.2 GENERAL DESCRIPTION 5.1
5.3 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS 5.2
5.4 INTERIOR OBSERVATIONS 5.2
5.5 EXTERIOR OBSERVATIONS 5.3
5.6 UNDERGROUND STORAGE TANKS/STRUCTURES 5.3
5.7 ABOVEGROUND STORAGE TANKS 5.3
5.8 ADJOINING PROPERTIES 5.4
5.8.1 Current Uses of Adjoining Properties 5.4
5.8.2 Observed Evidence of Past Uses of Adjoining Properties 5.4
5.8.3 Pits, Ponds or Lagoons on Adjoining Properties 5.4
5.9 OBSERVED PHYSICAL SETTING 5.5
6.0 INTERVIEWS **6.1**

6.1 FINDINGS FROM INTERVIEWS WITH MAJOR OCCUPANTS/OTHERS 6.1
6.2 FINDINGS FROM INTERVIEWS WITH PROPERTY NEIGHBORS..... 6.1
7.0 SHALLOW SOIL SAMPLING.....7.1
8.0 EVALUATION.....8.1
8.1 FINDINGS AND OPINIONS 8.1
8.2 DATA GAPS 8.2
8.3 CONCLUSIONS 8.3
9.0 NON-SCOPE CONSIDERATIONS.....9.1
10.0 REFERENCES.....10.1

LIST OF FIGURES

Figure 1 Property Location Map
Figure 2 Property Details

LIST OF APPENDICES

APPENDIX A PHOTOGRAPHS OF THE PROPERTY AND VICINITY
APPENDIX B STANTEC RESUMES
APPENDIX C USER PROVIDED RECORDS
APPENDIX D ENVIRONMENTAL AGENCY DATABASE SEARCH REPORT
APPENDIX E HISTORICAL RECORDS
APPENDIX F CERTIFIED LABORATORY ANALYTICAL REPORT

Abbreviations

AAI	All Appropriate Inquiry
ACM	Asbestos containing material
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
BER	Business Environmental Risk
CAA	Clean Air Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulation
CREC	Controlled Recognized Environmental Conditions
CWA	Clean Water Act
ELUC	Environmental Land Use Control
EP	Environmental Professional
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
ft msl	Feet above mean sea level
HREC	Historical Recognized Environmental Conditions
HWMU	Hazardous Waste Management Unit
LBP	Lead-based Paint
LUST	Leaking Underground Storage Tank
NESHAP	National Emissions Standard for Hazardous Air Pollutants
PAHs	Polynuclear Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
pVEC	Potential Vapor Encroachment Condition
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Conditions
SWMU	Solid Waste Management Unit
TSCA	Toxic Substance Control Act
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds

1.0 SUMMARY

Stantec has completed a Phase I Environmental Site Assessment (ESA) report for approximately 150 acres of farmland located northwest of the intersection of Austin Road and Arch Road, in the city of Stockton, County of San Joaquin, California (the "Property"), on behalf of CT Realty Investors (the "Client"). The work was performed according to Stantec's proposal and terms and conditions dated October 9, 2018 and accepted by the Client on October 15, 2018. CT Realty Investors (the "User") has been designated as the User of this report.

The Phase I ESA was conducted in conformance with the requirements of American Society for Testing and Materials (ASTM) Designation E 1527-13 and All Appropriate Inquiries (AAI) Final Rule 40 CFR Part 312, except as may have been modified by the scope of work, and terms and conditions, requested by the Client. Any exceptions to, or deletions from, the ASTM practice are described in Section 2.3.

The Property is currently approximately 150 acres of farmland. Surrounding properties are a mixture of agricultural land and commercial properties. A site location map is illustrated on Figure 1. A site map illustrating the main features of the Property is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in Appendix A.

Stantec's interpretation of historical aerial photographs shows the Property as agricultural land prior to circa 1937 to present day. Agricultural uses can be a potential concern due to the possible application of pesticides and herbicides that contain heavy metals. Stantec identified this historic use as a recognized environmental condition (REC) to the Site and recommended assessment for these compounds and metals.

To assess this REC, Stantec personnel advanced 34 soil borings across the Property using a hand auger on October 23, 2018. Soil samples collected at a depth of 0.5-1 foot below ground surface (bgs) from the soil borings. Each soil sample was submitted for analysis of organochlorine pesticides by EPA Method 8081A and for the metals associated with herbicides, arsenic and lead by EPA Method 6010B.

The results showed the presence of organochlorine pesticides including 4,4-dichlorodiphenyldichloroethylene (4,4-DDE), 4,4-dichlorodiphenyldichloroethane (4,4-DDD), and 4,4-Dichlorodiphenyltrichloroethane (4,4-DDT) at concentrations below the Department of Toxic Substances Control (DTSC) Human Health Risk (HERO Note 3) and/or United States Regional Screening Levels (US EPA RSLs) for residential sites. However, cumulative concentrations of organochlorine pesticides compounds were reported above the California hazardous waste level of 1.0 milligrams per kilogram (mg/kg) in one location (SB-29).

Arsenic was reported above residential RSLs all 34 samples collected at concentrations ranging from 2.0 to 3.3mg/kg. However, arsenic occurs naturally throughout California at levels significantly exceeding the RSL. The reported arsenic concentration is well within the range of

naturally-occurring expected background levels for arsenic in California. Lead was reported in all of the 34 samples collected at concentrations detected were below the residential RSL.

Certified analytical reports with chain of custody documentation are provided in Appendix F. Results are summarized in Table 1.

Based on the above results, Stantec concludes that the historical agricultural use of the Property does not represent a REC or a human health risk in light of the contemplated industrial use of the Property. One location (SB-29) had cumulative concentrations of organochlorine pesticides above the California hazardous waste level of 1.0 mg/kg. Given there was only one location above the California hazardous waste level no further assessment appears warranted at this time. However, should any soil to be removed from the Property it should be sampled to confirm that any concentrations of any potential pesticides or metals associated with herbicides allow for unrestricted reuse or disposal.

We have performed a Phase I ESA update in conformance with the scope and limitations of ASTM Practice E1527 of the "Property". Any exceptions to, or deletions from, this practice are described in the Data Gaps section of this report. This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Property.

The following items of note were identified during this Phase I ESA:

- Since the Property is currently a farm and was historically farmed for many years there is potential that the irrigation lines may be wrapped with or contain asbestos. In the event that irrigation lines are discovered during Property grading and contain or are wrapped in suspected asbestos-containing materials (ACMs), Stantec recommends analyzing the materials for the presence of asbestos prior to any disturbance of the materials and removing and disposing of any ACM identified as a result, in accordance with all applicable laws.

The preceding summary is intended for informational purposes only. Reading of the full body of this report is recommended.

2.0 INTRODUCTION

The objective of this Phase I ESA was to perform appropriate inquiry into the past ownership and uses of the Property consistent with good commercial or customary practice as outlined by the ASTM in "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process", Designation E1527-13. The purpose of this Phase I ESA was to identify adverse environmental conditions including recognized environmental conditions ("RECs") of the Property.

The ASTM E1527-13 standard indicates that the purpose of the Phase I ESA is to identify RECs, including historical recognized environmental conditions ("HRECs"), and controlled recognized environmental conditions ("CRECs") that may exist at a property. The term "recognized environmental conditions" means 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.

ASTM defines a "HREC" as a REC that has occurred in connection with the property but has been addressed to the satisfaction of the applicable regulatory authority and meets 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). Before calling the past release a HREC, the environmental professional must determine whether the past release is a REC when the current Phase I ESA is conducted (for example, if there has been a change in the regulations). If the EP considers the past release to be a REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a REC.

ASTM defines a "CREC" as a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), but 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).

De minimis conditions are not RECs. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. As indicated, the term REC does not include de minimis conditions, which generally do not present a material risk to human health and would not likely be subject to enforcement action if brought to the attention of governmental agencies.

This ESA was conducted in accordance with ASTM E 1527-13. The scope of work conducted during this Phase I ESA consisted of a visual reconnaissance of the Property, interviews with key individuals, and review of reasonably ascertainable documents. The scope of work did not include an assessment for environmental regulatory compliance of any facility ever operated at the Property (past or present), or sampling and analyzing of environmental media. Stantec was not contracted to perform any independent evaluation of the purchase or lease price of the Property and its relationship to current fair market value. The conclusions presented in this ESA Report are professional opinions based on data described herein. The opinions are subject to the limitations described in Section 2.3.

ASTM E1527-13 notes that the availability of record information varies from source to source. The User or Environmental Professional is not obligated to identify, obtain, or review every possible source that might exist with respect to a property. Instead, ASTM identifies record information that is reasonably ascertainable from standard sources. "Reasonably ascertainable" means:

(1) Information that is publicly available;

(2) Information that is obtainable from its source within reasonable time and cost constraints; and

(3) Information that is practicably reviewable.

2.1 PROPERTY DESCRIPTION

The Property is currently approximately 150 acres of farmland. Surrounding properties are a mixture of agricultural land and commercial properties. A site location map is illustrated on Figure 1. A site map illustrating the main features of the Property is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in Appendix A.

2.2 SPECIAL TERMS, CONDITIONS, AND SIGNIFICANT ASSUMPTIONS

There were no special terms, conditions, or significant assumptions associated with the Phase I ESA.

2.3 EXCEPTIONS AND LIMITING CONDITIONS

This report documents work that was performed in accordance with generally accepted professional standards at the time and location in which the services were provided. No other representations, warranties or guarantees are made concerning the accuracy or completeness of the data or conclusions contained within this report, including no assurance that this work has uncovered all potential and actual liabilities and conditions associated with the identified property.

This report provides an evaluation of selected environmental conditions associated with the identified portion of the property that was assessed at the time the work was conducted and is

based on information obtained by and/or provided to Stantec at that time. (40 CFR 312.20(f)(2) requires that the Environmental Professional evaluate the thoroughness and reliability of provided information.) Stantec assumes no responsibility for any deficiency or inaccuracy in information received from others.

If a service is not expressly indicated, do not assume it has been provided. If a matter is not addressed, do not assume that any determination has been made by Stantec in regards to it.

Conclusions made within this report consist of Stantec's professional opinion as of the time of the writing of this report and are based solely on the scope of work described in the report, the limited data available and the results of the work. They are not a certification of the property's environmental condition.

This report relates solely to the specific project for which Stantec was retained and the stated purpose for which this report was prepared and shall not be used or relied upon by the client identified herein for any variation or extension of this project, any other project or any other purpose.

This report has been prepared for the exclusive use of the client identified herein and any use of or reliance on this report by any third party is prohibited, except as may be consented to in writing by Stantec or as required by law. The provision of any such consent is at Stantec's sole and unfettered discretion and will only be authorized pursuant to the conditions of Stantec's standard form reliance letter. Stantec assumes no responsibility for losses, damages, liabilities or claims, howsoever arising, from third party use of this report.

Project Specific limiting conditions are provided in Section 2.2.

The locations of any utilities, buildings and structures, and property boundaries illustrated in or described within this report, if any, including pole lines, conduits, water mains, sewers and other surface or sub-surface utilities and structures are not guaranteed. Before starting work, the exact location of all such utilities and structures must be confirmed by the client and Stantec assumes no liability resulting from damage to such utilities and structures.

The conclusions are based on the site conditions encountered by Stantec at the time the work. Accordingly, additional studies and actions may be required. As the purpose of this report is to identify selected site conditions which may pose an environmental risk; the identification of non-environmental risks to structures or people on the site is beyond the scope of this assessment. The findings, observations, and conclusions expressed by Stantec in this report are not an opinion concerning the compliance of any past or present owner or operator of the site which is the subject of this report with any Federal, state, provincial or local law or regulation.

This report presents professional opinions and findings of a scientific and technical nature. It does not and shall not be construed to offer a legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, regulations or policies of Federal, state,

provincial or local governmental agencies. Issues raised by the report should be reviewed by client legal counsel.

Stantec specifically disclaims any responsibility to update the conclusions in this report if new or different information later becomes available or if the conditions or activities on the property subsequently change. In the event of any conflict between the terms and conditions of this report and the terms and conditions of the consulting services agreement between CT Realty Investors and Stantec Consulting Services Inc., the consulting services agreement shall control.

2.4 PERSONNEL QUALIFICATIONS

This Phase I ESA was conducted by, or under the supervision of, an individual that meets the ASTM definition of an Environmental Professional (EP). The credentials of the EP and other key Stantec personnel involved in conducting this Phase I ESA are provided in Appendix B.

3.0 USER-PROVIDED INFORMATION

ASTM E1527-13 describes responsibilities of the User to complete certain tasks in connection with the performance of "All Appropriate Inquiries" into the Property. The ASTM standard requires that the Environmental Professional request information from the User on the results of those tasks because that information can assist in the identification of RECs, CRECs, HRECs, or *de minimis* conditions in connection with the Property. Towards that end, Stantec requested that the User provide the following documents and information:

Description of Information	Provided (Yes / No)	Description and/or Key Findings
User Questionnaire	Yes	The user is aware of past agricultural use on the Property.
Environmental Liens or Activity Use Limitations	N/A	Stantec was provided with a title report for the Property prepared by First American Title Company dated April 12, 2018. A copy of the title report is provided in Appendix C. No environmental liens were identified during review of the title report.
Previous Environmental Permits or Reports Provided by User	No	No previous permits or reports for the Property were provided by the User.
Purpose of the Phase I ESA	Yes	Environmental due diligence.

Stantec forwarded the ASTM recommended User Questionnaire to Mr. Marc Belluomini, Executive Vice President of CT Realty Investors. The completed User Questionnaire returned to Stantec by Mr. Belluomini is included in Appendix C.

No RECs were identified on the Property from the information on the user questionnaire.

4.0 RECORDS REVIEW

The objective of consulting historical sources of information is to develop the history of the Property and surrounding area, in order to evaluate if past uses may have resulted in RECs. Physical setting records are evaluated to determine if the physical setting may have contributed to adverse environmental conditions in connection with the Property. During the review of historical records, Stantec attempted to identify uses of the Property from the present to the Properties first developed use. Stantec's research included the reasonably ascertainable and useful records described in this section.

4.1 PHYSICAL SETTING

A summary of the physical setting of the Property is provided in the table below with additional details in the following subsections.

Topography:	The Property is approximately 43 feet above mean sea level (amsl) and is generally flat with a gentle regional gradient to the south-southwest (EDR, 2018).
Soil/Bedrock Data:	The Property is underlain by unconsolidated Quaternary sediments from alluvial and lake deposits from the Sierra Nevada Mountains to the east. Also contributing to the deposits are the Sacramento Valley Coast Ranges to the west (USGS, 2003).
Estimated Depth to Groundwater/ Estimated Direction of Gradient:	According to a report on the Geotracker website, groundwater sampling conducted at a facility approximately 2.5 miles to the southwest of the Property reported groundwater depth at approximately 35 to 40 feet below ground surface (bgs) (OTIE, 2011).
Note: Site-specific groundwater direction and depth can only be determined by conducting site-specific testing, which Stantec has not conducted.	

4.1.1 Property Topography and Surface Water Flow

The Property is at an elevation of approximately 43 feet above mean sea level. The regional topographic gradient is to the west-northwest (EDR, 2018). Surface runoff is expected to follow topography towards the south-southwest.

4.1.2 Regional and Property Geology

The Property is located in San Joaquin County. The area is located within the Sacramento Valley, which includes northwest-southeast trending mountain ranges and valleys that have been

developed by the Stockton Fault and Midland Fault system. The stratigraphy underlying the Property consists primarily of unconsolidated Quaternary sediments from alluvial and lake deposits. The Sierra Nevada Mountains to the east are a source of the alluvial deposits resulting from erosion. Also contributing to the deposits are the Sacramento Valley Coast Ranges to the west. Both ranges consist of a wide variety of metamorphic and sedimentary rocks (ranging widely in age and composition).

The closest mapped recently active fault is the San Joaquin Fault located approximately 21.50 miles southwest (CGS, 2010).

4.1.3 Regional and Property Hydrogeology

The Property is located within the Eastern San Joaquin Valley Subbasin of the San Joaquin Valley Groundwater Basin. The basin is constrained by the tilted block of the Sierra Nevada on the east and the complexly folded and faulted Coast Ranges on the west (DWR, 2006). The Eastern San Joaquin Subbasin is defined by the areal extent of unconsolidated to semi-consolidated sedimentary deposits that are bounded by the Mokelumne River on the north and northwest; San Joaquin River on the west; Stanislaus River on the south; and consolidated bedrock on the east (DWR, 2006). Water-bearing materials in the Subbasin consist of Alluvium and Modesto/Riverbank Formations, Flood Basin Deposits, Laguna Formation, and Mehrten Formation.

According to a report on the Geotracker® website, groundwater sampling conducted at a facility approximately 2.5 miles to the southwest of the Property reported groundwater depth at approximately 35 to 40 feet bgs (OTIE, 2011).

4.2 FEDERAL, STATE AND TRIBAL ENVIRONMENTAL RECORDS

A regulatory agency database search report was obtained from Environmental Data Resources, Inc. (EDR), a third-party environmental database search firm. A complete copy of the database search report, including the date the report was prepared, the date the information was last updated, and the definition of databases searched, is provided in Appendix D.

Stantec evaluated the information listed within the database relative to potential impact to the Property, assessing the potential for impacts based in part on the physical setting. As part of this process, inferences have been made regarding the likely groundwater flow direction at or near the Property. Observations about the Property and surrounding properties made during the Property reconnaissance are provided in more detail in Section 5.

4.2.1 Listings for Property

The Property was not listed in the environmental database report.

4.2.2 Listings for Nearby Sites with Potential to Impact Property

Stantec assessed data presented in the environmental agency database search report to evaluate the potential for conditions to pose a REC, CREC, or HREC for the Property.

Based on this evaluation, the following individual facilities were identified as the most likely potential sources of impact to the Property. The basis for why each of the following listed databases does or does not create a REC for the property is also provided.

Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
Eagle Intermodal Services Inc. / TSS / ITS Technologies & Logistics 6540 Austin Road #3 Stockton, Ca 95215	CERS HAZ WASTE; CERS; AST; CERS TANKS	88 feet southeast	No
This facility is listed as a hazardous waste generator and a chemical storage facility. Minor violations were reported including failure to provide training to all employees in safety procedures, a site map, and electronic hazardous material inventory information; however, the facility was returned to compliance. Due to the lack of violations and releases, this facility is considered unlikely to have environmentally impacted the Property.			

The remaining listings in the database search report provided in Appendix D do not constitute a REC for the Property.

4.3 LOCAL/REGIONAL ENVIRONMENTAL RECORDS

Stantec checked the following sources to obtain information pertaining to Property use and/or indications of RECs in connection with the Property:

4.3.1 Local Health Department

Agency Name Contact Information	Finding
County of San Joaquin Environmental Health Department 209-468-3433 (fax) October 22, 2018	Stantec requested available records for the Property from the San Joaquin County Environmental Health Department. At the time of the preparation of this report no response had been received. However, based on the historical information available a lack of a response from this agency is unlikely to impact the conclusions of this report.

4.3.2 Fire Department

Agency Name Contact Information	Finding
City of Stockton Fire Department (SFD) – Hazardous Materials Division Fax: (209) 937-8836 (fax)	According to an email dated October 22, 2018, the City of Stockton Fire Department does not have any records for the Property.

4.3.3 Regional Water Quality Control Board

Agency Name Contact Information	Finding
Regional Water Quality Control Board (RWQCB) – Central Valley Region http://geotracker.waterboards.ca.gov/	A request for records was submitted to RWQCB for the Property address. According to CVRWQCB, no records were found on the Properties based on their corresponding addresses. Additionally, no records were available for the Property address in the Geotracker database.

4.3.4 Local Building and/or Planning Department Records

Agency Name, Contact Information	Findings
City of Stockton Building and Safety Department 385 North Arrowhead Avenue – 1st Floor San Bernardino, CA 92415 (209) 937-8561	Stantec submitted a records request to the City of Stockton Building and Safety Department to review records available for the Property. At the time of the preparation of this report no response had been received. However, based on the historical information available a lack of a response from this agency is unlikely to impact the conclusions of this report.

4.4 HISTORICAL RECORDS REVIEW

4.4.1 Land Title Records/Deeds

Stantec was provided with a title report for the Property prepared by First American Title Company dated April 12, 2018. A copy of the title report is provided in Appendix C. No environmental liens were identified during review of the title.

4.4.2 Aerial Photographs

Stantec reviewed historical aerial photographs provided by EDR. The general type of activity on a property and land use changes can often be discerned from the type and layout of structures visible in the photographs. However, specific elements of a facility's operation usually cannot be discerned from aerial photographs alone. The following table summarizes Stantec's observations

of the reviewed historical aerial photographs. Copies of the historical aerial photographs are located in Appendix E.

Year	Scale	Observations, Property and Adjoining Properties
1937	1:500	The Property and surrounding land appear to be used for agricultural use. Two curved water ways (i.e. creeks) appear in the northern and southern portions of the Property.
1957	1:500	The Property and surrounding land remain used for agricultural use. An east-west running dirt road appears to bisect the Property. The southern portion of the Property appears to have been recently cultivated. Arch Road and Austin Road appear to the south and east. Small structures appear to the south beyond Arch Road.
1963 1968 1975 1982	1:500	The Property and surrounding land remain used for agricultural use.
1993 2006	1:500	The Property and surrounding land remain used for agricultural use. A correctional facility appears to the south beyond Arch Road. Commercial properties appear to the northeast.
2009 2012 2016	1:500	The Property appears similar to the previous photograph. Logistics Road appears adjacent to the west beyond which is commercial development. Truck parking appears to the southeast in the 2012 and 2016 aerial photographs.

EDR, 2018

4.4.3 City Directories

Stantec retained EDR to research available reverse city directories for the Property, in approximately five-year intervals. Adjacent properties including the State of California Rainbow Visitors Center and Rainbow Family Center Social Services. The complete city directory listing is provided in Appendix E.

4.4.4 Historical Fire Insurance Maps

Fire insurance maps were developed for use by insurance companies to depict facilities, properties, and their uses for many locations throughout the United States. These maps provide information on the history of prior land use and are useful in assessing whether there may be potential environmental contamination on or near the Property. These maps, which have been periodically updated since the late 19th century, often provide valuable insight into historical Property uses.

Stantec requested fire insurance maps from EDR; however, no coverage exists for the Property. The Sanborn® Map Search Report indicating "no coverage" is presented in Appendix E.

4.4.5 Historical Topographic Maps

Stantec reviewed historical USGS 7.5-Minute Topographic Maps of the Property vicinity (scale 1:24,000) to help identify past Property usage and areas of potential environmental concern.

Stantec identified no RECs based on its review of the topographic maps. Copies of the historical maps are provided in Appendix E. The following table summarizes the maps reviewed and our observations.

Year	Scale	Observations, Property and Adjoining Properties
1914	1:24,000	No site detail is visible, but the immediate vicinity appears undeveloped. A road appears along the eastern and southern Property Boundary. Railroad tracks and Mariposa Road appear to the northeast. Weber School appears to the southwest.
1952	1:24,000	The Property appears similar to the previous map. Two creeks appears to run east-west through the northern and southern portions of the Property.
1968 1976	1:24,000	The Property appears similar to the previous map. Only one creek remains on the center of the Property. The Northern California Youth Center and three associated wells are located to the southwest.
1987 2012	1:24,000	The Property and surrounding area appears similar to the previous map.

USGS via EDR, 2018

4.4.6 Other Historical Sources

No other historical sources were researched.

5.0 SITE RECONNAISSANCE

A visit to the Property and its vicinity was conducted by Mr. Robert Ellis, Geologist with Stantec on October 23, 2018. Stantec was unaccompanied during the Property visit. Figure 2 provides information about the Property and adjoining properties. Photographs collected during the Property visit are included in Appendix A.

5.1 SITE RECONNAISSANCE METHODOLOGY

The Property reconnaissance focused on observation of current conditions and observable indications of past uses and conditions that may indicate the presence of RECs. The Property reconnaissance was conducted on foot and Stantec utilized the following methodology to observe the Property:

- Traverse the outer Property boundary.
- Traverse transects across the Property.

Weather conditions during the visit to the Property were warm and sunny. There were no weather-related property access restrictions encountered during the reconnaissance visit.

5.2 GENERAL DESCRIPTION

Property and Area Description:	The Property is located on the northwest of the intersection of Austin Road and Arch Road, in the City of Stockton, County of San Joaquin, California. The surrounding area is a mix of commercial, industrial, farm land, with sparse residential buildings.
Property Operations.	Sanchez Farmland
Structures, Roads, Other Improvements:	A dirt road is located in the center of the Property and separates the northern agricultural field from a tilled soil field. Dirt roads were also observed along the perimeter.
Property Size (acres):	Approximately 150 acres
Estimated % of Property Covered by Buildings and/or Pavement:	0
Observed Current Property Use/Operations:	Sanchez Farmland

Observed Evidence of Past Property Use(s):	None observed.
Sewage Disposal Method (and age):	None observed.
Potable Water Source:	Unknown.
Electric Utility:	Unknown.

5.3 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS

The following table summarizes Stantec's observations during the Property reconnaissance.

Observations	Description/Location
Hazardous Substances and Petroleum Products as Defined by CERCLA 42 U.S.C. § 9601(14):	None observed.
Drums (≥ 5 gallons):	None observed.
Strong, Pungent, or Noxious Odors:	None detected.
Pools of Liquid:	None observed.
Unidentified Substance Containers:	None observed.
PCB-Containing Equipment:	None observed.
Other Observed Evidence of Hazardous Substances or Petroleum Products:	None observed.

5.4 INTERIOR OBSERVATIONS

Stantec made the following observations during the Property reconnaissance of the building interiors at the Property and/or identified the following information during the interview or records review portions of the assessment:

The Property is currently used for agricultural purposes with no buildings present.

Observations	Description
Heating/Cooling Method:	Not Applicable.
Surface Stains or Corrosion:	Not Applicable.
Floor Drains and Sumps:	Not Applicable.
Other Interior Observations:	Not Applicable.

5.5 EXTERIOR OBSERVATIONS

Stantec made the following observations during the site reconnaissance of exterior areas of the Property and/or identified the following information during the interview or records review portions of the assessment:

Observations	Description
On-site Pits, Ponds, or Lagoons:	None observed.
Stained Soil or Pavement:	None observed.
Stressed Vegetation:	None observed.
Waste Streams and Waste Collection Areas:	None observed.
Solid Waste Disposal:	No areas indicative of solid waste disposal were observed.
Potential Areas of Fill Placement:	None observed.
Wastewater:	No exterior wastewater discharge was observed.
Stormwater:	Stormwater is expected to infiltrate the ground surface.
Wells:	Irrigation wells, pumps, and lines were observed throughout the Property.
Septic Systems:	No visible evidence of the existence of a septic system was observed.
Other Exterior Observations:	None observed.

5.6 UNDERGROUND STORAGE TANKS/STRUCTURES

Existing USTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches), which would indicate the presence of USTs, was discovered during the site reconnaissance.
Former USTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches), reports, or other evidence of the former presence of USTs was discovered during the site reconnaissance.
Other Underground Structures:	None observed.

5.7 ABOVEGROUND STORAGE TANKS

Existing ASTs:	An empty approximately 100-gallon empty above-ground storage tank was observed on a mobile cart within a gated enclosure. The tank was unlabeled, but it likely contained water.

Former ASTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface stains), reports, or other evidence of the former presence of ASTs was discovered during the site reconnaissance.

5.8 ADJOINING PROPERTIES

5.8.1 Current Uses of Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about use and activities on adjoining properties:

NORTH	Agricultural land.
SOUTH	Arch Road beyond which is the Northern California Women's Facility.
EAST	Austin Road beyond which are commercial properties.
WEST	Commercial properties.

Refer to Figure 2.

5.8.2 Observed Evidence of Past Uses of Adjoining Properties

Observations of adjoining properties providing indications of past use and activities, if any, are described below.

NORTH	None observed.
SOUTH	None observed.
EAST	None observed.
WEST	None observed.

5.8.3 Pits, Ponds or Lagoons on Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about the presence of pits, ponds and lagoons on adjoining properties:

NORTH	None observed.
SOUTH	None observed.
EAST	None observed.
WEST	None observed.

5.9 OBSERVED PHYSICAL SETTING

Topography of the Property and Surrounding Area:	The Property and surrounding area appear to be relatively flat.

6.0 INTERVIEWS

No interviews were conducted on the Property or adjacent properties. The Property consists of farmland. Personnel on-site did not speak English; therefore, no interview was conducted.

6.1 FINDINGS FROM INTERVIEWS WITH MAJOR OCCUPANTS/OTHERS

Interviews with major occupants were not conducted as a part of this assessment. The lack of this information does not represent a significant data gap.

6.2 FINDINGS FROM INTERVIEWS WITH PROPERTY NEIGHBORS

Interviews with neighbors were not conducted as a part of this assessment. The lack of this information does not represent a significant data gap.

7.0 SHALLOW SOIL SAMPLING

Stantec's interpretation of historical aerial photographs shows the Property as agricultural land prior to circa 1937 to present day. Agricultural uses can be a potential concern due to the possible application of pesticides and herbicides that contain heavy metals. Stantec identified this historic use as a REC to the Site and recommended assessment for these compounds and metals.

To assess this REC, Stantec personnel advanced 34 soil borings across the Property using a hand auger on October 23, 2018. Soil samples collected at a depth of 0.5-1 foot below ground surface (bgs) from the soil borings. Each soil sample was submitted for analysis of organochlorine pesticides by EPA Method 8081A and for the metals associated with herbicides, arsenic and lead by EPA Method 6010B.

The results showed the presence of organochlorine pesticides including 4,4-dichlorodiphenyldichloroethylene (4,4-DDE), 4,4-dichlorodiphenyldichloroethane (4,4-DDD), and 4,4-Dichlorodiphenyltrichloroethane (4,4-DDT) at concentrations below the Department of Toxic Substances Control (DTSC) Human Health Risk (HERO Note 3) and/or United States Regional Screening Levels (US EPA RSLs) for residential sites. However, cumulative concentrations of organochlorine pesticides compounds were reported above the California hazardous waste level of 1.0 milligrams per kilogram (mg/kg) in one location (SB-29).

Arsenic was reported above residential RSLs all 34 samples collected at concentrations ranging from 2.0 to 3.3mg/kg. However, arsenic occurs naturally throughout California at levels significantly exceeding the RSL. The reported arsenic concentration is well within the range of naturally-occurring expected background levels for arsenic in California. Lead was reported in all of the 34 samples collected at concentrations detected were below the residential RSL.

Certified analytical reports with chain of custody documentation are provided in Appendix F. Results are summarized in Table 1.

Based on the above results, Stantec concludes that the historical agricultural use of the Property does not represent a REC or a human health risk in light of the contemplated industrial use of the Property. One location (SB-29) had cumulative concentrations of organochlorine pesticides above the California hazardous waste level of 1.0 mg/kg. Given there was only one location above the California hazardous waste level no further assessment appears warranted at this time. However, should any soil to be removed from the Property it should be sampled to confirm that any concentrations of any potential pesticides or metals associated with herbicides allow for unrestricted reuse or disposal.

8.0 EVALUATION

This section provides a summary overview of or Findings, Opinions, and Conclusions.

8.1 FINDINGS AND OPINIONS

Information gathered from interviews, reviews of existing data review, and a property inspection was evaluated to determine if RECs are present in connection with the Property. Based on this information, Stantec made the following findings and developed the following opinions.

Finding 1: Stantec's interpretation of historical aerial photographs shows the Property as agricultural land prior to circa 1937 to present day. Agricultural uses can be a potential concern due to the possible application of pesticides and herbicides that contain heavy metals. Stantec identified this historic use as a recognized environmental condition (REC) to the Site and recommended assessment for these compounds and metals.

To assess this REC, Stantec personnel advanced 34 soil borings across the Property using a hand auger on October 23, 2018. Soil samples collected at a depth of 0.5-1 foot below ground surface (bgs) from the soil borings. Each soil sample was submitted for analysis of organochlorine pesticides by EPA Method 8081A and for the metals associated with herbicides, arsenic and lead by EPA Method 6010B.

The results showed the presence of organochlorine pesticides including 4,4-DDE, 4,4-DDD, and 4,4-DDT at concentrations below the DTSC HERO Note 3 and/or US EPA RSLs for residential sites. However, cumulative concentrations of organochlorine pesticides compounds were reported above the California hazardous waste level of 1.0 mg/kg in one location (SB-29).

Arsenic was reported above residential RSLs all 34 samples collected at concentrations ranging from 2.0 to 3.3mg/kg. However, arsenic occurs naturally throughout California at levels significantly exceeding the RSL. The reported arsenic concentration is well within the range of naturally-occurring expected background levels for arsenic in California. Lead was reported in all of the 34 samples collected at concentrations detected were below the residential RSL.

Opinion 1: Based on the above results, Stantec concludes that the historical agricultural use of the Property does not represent a REC or a human health risk in light of the contemplated industrial use of the Property. One location (SB-29) had cumulative concentrations of organochlorine pesticides above the California hazardous waste level of 1.0 mg/kg. Given there was only one location above the California hazardous waste level no further assessment appears warranted at this time. However, should any soil to be removed from the Property it should be sampled to

confirm that any concentrations of any potential pesticides or metals associated with herbicides allow for unrestricted reuse or disposal.

Finding 2: An environmental records search was performed and identified sites within their respective ASTM E 1527-13 search radii of the Property that may represent RECs, HRECs, or de minimis conditions.

Opinion 2: Based on one or more of the following reasons: distance from the Property, position of sites with respect to assumed groundwater flow direction, the native soils, and regulatory status, none of the sites identified in the in the environmental records search report are expected to affect soil or groundwater quality at the Property. The environmental records search identified no RECs, HRECs or de minimis conditions at or near the Property.

Finding 3: Since the Property is currently farmland and was historically farmed for many years there is potential that the irrigation lines may be wrapped with or contain asbestos.

Opinion 3: In the event that irrigation lines are discovered during Property grading and contain or are wrapped in suspected asbestos-containing materials (ACMs), Stantec recommends analyzing the materials for the presence of asbestos prior to any disturbance of the materials and removing and disposing of any ACM identified as a result, in accordance with all applicable laws.

8.2 DATA GAPS

The federal AAI rule [40 CFR 312.10(a)] and ASTM E1527-13 identify a "data gap" as the lack or inability to obtain information required by the standards and practices of the rule despite good faith efforts by the Environmental Professional or the User.

Any data gaps resulting from the Phase I ESA described in this report are listed and discussed below.

Gap	Discussion
Deletions or Exceptions From Scope of Work Referenced in Section 1.4:	None
Weather-Related Restrictions To Site Reconnaissance:	None
Facility Access Restrictions to Site Reconnaissance:	None
Other Site Reconnaissance Restrictions:	None
Data Gaps From Environmental Records Review:	None

Gap	Discussion
Data Gaps From Historical Records Review:	None
Data Gaps From Interviews:	None
Other Data Gaps:	None

8.3 CONCLUSIONS

We have performed a Phase I ESA update in conformance with the scope and limitations of ASTM Practice E1527 of the "Property". Any exceptions to, or deletions from, this practice are described in the Data Gaps section of this report. This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Property.

The following items of note were identified during this Phase I ESA:

- Since the Property is currently a farm and was historically farmed for many years there is potential that the irrigation lines may be wrapped with or contain asbestos. In the event that irrigation lines are discovered during Property grading and contain or are wrapped in suspected asbestos-containing materials (ACMs), Stantec recommends analyzing the materials for the presence of asbestos prior to any disturbance of the materials and removing and disposing of any ACM identified as a result, in accordance with all applicable laws.

9.0 NON-SCOPE CONSIDERATIONS

No ASTM E1527-13 non-scope services were performed as part of this Phase I ESA with the following exceptions:

9.1 LEAD-BASED PAINT

Concern for lead-based paint (LBP) is primarily related to residential structures. The EPA's Final Rule on Disclosure of Lead-Based Paint in Housing (40 CFR Part 745) defines LBP as paint or other surface coatings that contain lead equal to or in excess of 1.0 milligram per square centimeter or 0.5 percent by weight.

The risk of lead toxicity in LBP varies based upon the condition of the paint and the year of its application. The U.S. Department of Housing and Urban Development (HUD) has identified the following risk factors:

The age of the dwelling as follows: maximum risk is from paint applied before 1950.

There is severe risk from paint applied before 1960.

There is moderate risk from deteriorated paint applied before 1970.

There is slight risk from the paint that is intact but applied before 1977.

The condition of the painted surfaces.

The presence of children and certain types of households in the building.

Previously reported cases of lead poisoning in the building or area.

Given there are no structures on the Property, the presence of lead-based paint ("LBP") is considered unlikely.

9.2 ASBESTOS

Asbestos can be found in many applications, including sprayed-on or blanket-type insulation, pipe wraps, mastics, floor and ceiling tiles, wallboard, mortar, roofing materials, and a variety of other materials commonly used in construction. The greatest asbestos-related human health risks are associated with friable asbestos, which is ACM that can be reduced to powder by hand pressure. Friable asbestos can become airborne and be inhaled and has been associated with specific types of respiratory disease. The manufacturing and use of asbestos in most building products was curtailed during the late 1970s.

Stantec makes no warranty as to the possible existence or absence of inaccessible materials or to their evaluation with respect to asbestos content. Samples of suspect ACM should be collected for laboratory analysis of asbestos prior to any renovation or building demolition, in order to determine the need for compliance with EPA National Emission Standard for Hazardous Air Pollutants (NESHAP) regulations.

Since the Property was historically farmed for many years there is potential that the irrigation lines may be wrapped with or contain asbestos. Stantec observed numerous concrete stand pipes indicating that subsurface irrigation piping exists on the property. In the event that irrigation lines are discovered during Property grading and contain or are wrapped in suspected asbestos-containing materials (ACMs), Stantec recommends analyzing the materials for the presence of asbestos prior to any disturbance of the materials and removing and disposing of any ACM identified as a result, in accordance with all applicable laws.

9.3 RADON

Radon is a colorless, tasteless radioactive gas with an EPA-specified action level of 4.0 PicoCuries per liter of air (pCi/L) for residential properties. Radon gas has a very short half-life of 3.8 days. The health risk potential of radon is primarily associated with its rate of accumulation within confined areas near or in the ground, such as basements, where vapors can readily transfer to indoor air from the ground through foundation cracks or other pathways. Large, adequately ventilated rooms generally present limited risk for radon exposure. The radon concentrations in buildings and homes depend on many factors, including soil types, temperature, barometric pressure, and building construction (EPA, 1993).

Stantec reviewed regional data published by the EPA (http://www.epa.gov/radon/zonemap.html) on average indoor radon concentrations in the vicinity of the Property.

Zip Code 95215	**San Joaquin County**
EPA Radon Zones (w/Average Measured Indoor Radon concentrations)	
100% below 4 pCi/L	Zone 3 – low (>2 pCi/L)
Normally-occupied sub grade areas (i.e. basement apartments, offices, stores, etc.)?	
No normally-occupied subgrade areas are present at the Property.	

The Property is located in Zone 3 and is considered to have low potential for radon. To determine Property-specific radon levels a radon survey would have to be conducted. However, because most the Property is a mixture of open land and there are no occupied subgrade areas, further investigation of indoor radon issues does not appear to be warranted.

9.4 FLOOD ZONES

According to the Physical Setting summary portion of the EDR report, the Property is located within a 100-year flood plain. Stantec also searched the FEMA flood plain map service at www.msc.fema.gov and the Property is confirmed to be located in a flood plain.

9.5 DRY-CLEANING OPERATIONS

No dry-cleaning operations were reported or observed at or near the property. The historical review did not indicate a potential for past dry-cleaning operations on the property.

10.0 REFERENCES

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process, Designation: E 1527-13, November 2013.

California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOG), 2018, website http://www.consrv.ca.gov/dog/maps

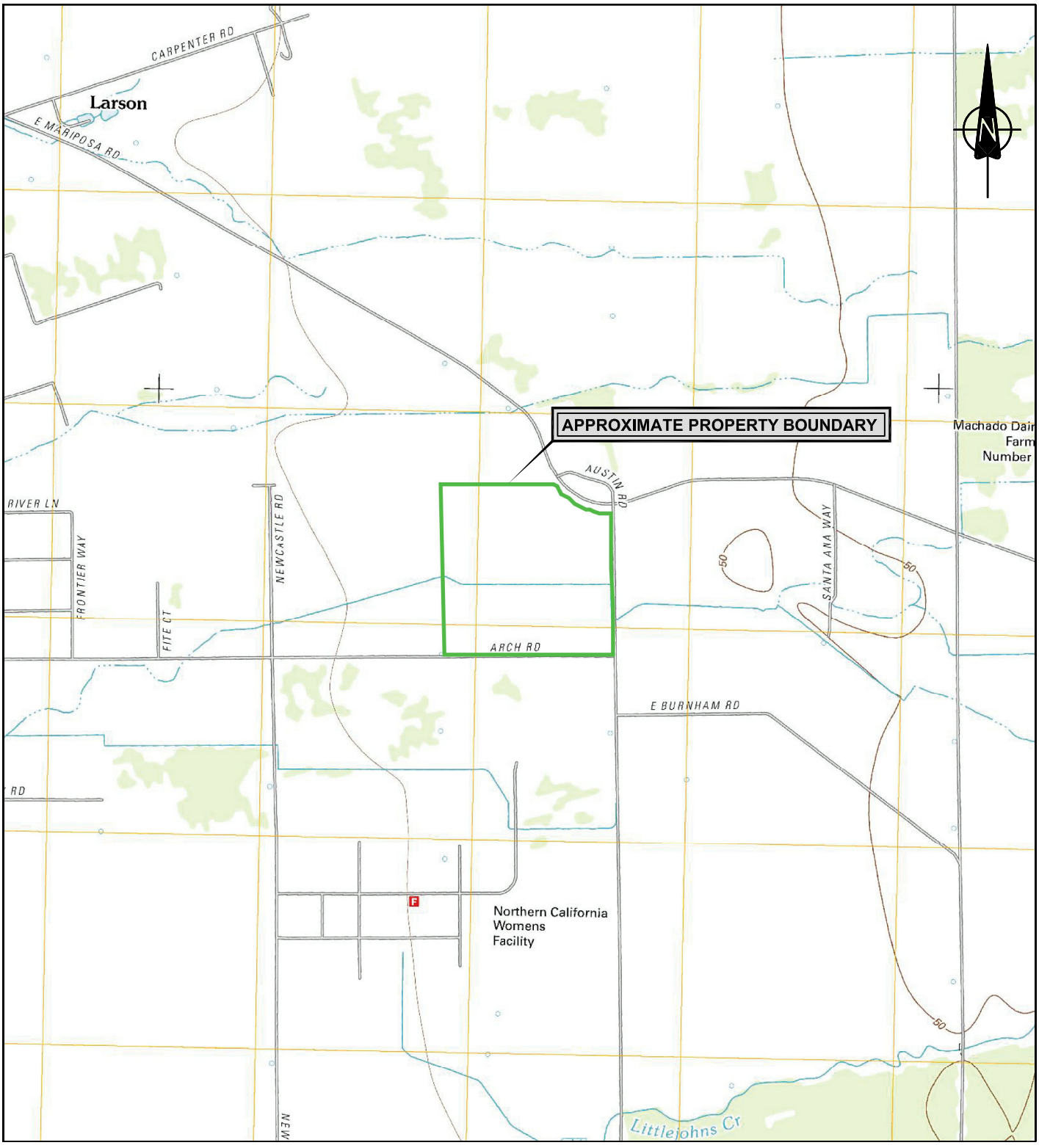
California Geological Survey (CGS), 2002, California Geomorphic Provinces, Note 36.
_____, 2010a, Fault Activity Map of California, adjustable scale, http://www.quake.ca.gov/gmaps/FAM/faultactivitymap.html.
_____, 2010b, Alquist-Priolo Earthquake Fault Zones of California, http://www.quake.ca.gov/gmaps/ap/ap_maps.htm.

Environmental Data Resources, Inc. (EDR), EDR Radius Map with Geocheck, Inquiry Number 5462983.2s, dated October 23, 2018.
_____, Certified Sanborn Map Report, Inquiry Number 5462983.3, dated October 23, 2018.
_____, Historical Topographic Map Report, Inquiry Number 5462983.4, dated October 23, 2018.
_____, Aerial Photo Decade Package, Inquiry Number 5462983.9, dated October 25, 2018.
_____, City Directory Abstract, Inquiry Number 5462983.5, dated October 23, 2018.

State Water Resources Control Board (SWRCB), 2018, Geotracker website, http://geotracker.swrcb.ca.gov/.

United States Geological Survey (USGS), 1968, NW/4 Manteca 15' Quadrangle, 7.5 Minute Topographic Map, Scale 1 inch = 2,000 feet, Photorevised 1987.

FIGURES



NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC SERVICES INC. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

PROPERTY LOCATION MAP

PHASE I ESA

NWC OF AUSTIN ROAD AND ARCH ROAD, STOCKTON, CA

Client: CT REALTY

Project No.:	185804299
Scale:	AS SHOWN
Date:	18/11/02
Dwn. By:	CD DM SC2018110001
App'd By:	KE

Fig. No.: 1

Stantec

Stantec Consulting Ltd. © 2018

Stantec Consulting Ltd. © 2018



0 250 500 FT
SCALE : AS SHOWN

LEGEND

- SOIL SAMPLE LOCATION

NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC CONSULTING LTD. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

PROPERTY DETAILS AND SOIL BORING LOCATIONS

PHASE I ESA

NWC OF AUSTIN ROAD AND ARCH ROAD, STOCKTON, CA

Client: CT REALTY

Project No.:	185804299
Scale:	AS SHOWN
Date:	18/11/02
Dwn. By:	CD DM SC2018110002
App'd By:	KE

Fig. No.: 2

Stantec

Appendix A PHOTOGRAPHS OF THE PROPERTY AND VICINITY



Photo #1 View of the Property from the dirt road located in the center.



Photo #2 View of the Northern California Women's Correctional Facility located adjacent to the south beyond Arch Road.



Photo #3 View of the TSS Drop Yard located adjacent to the east beyond Austin Road.



Photo #4 View of construction site adjacent to the west beyond Logistics Drive.



Photo #5 View of vacant lot adjacent to the north.



Photo #6 View of the irrigation pump on southeast corner of the Property.



Photo #7 View of irrigation line along the southern perimeter of the Property and Arch Road.



Photo #8 View of the northern portion of the farmland which was cultivated for the season.



Photo #9 View of southern portion of the Property which was tilled.



Photo #10 View of an empty approximately 100-gallon above-ground storage tank (AST) located on a mobile cart. The AST was unlabeled, but it likely contained water.

Appendix B STANTEC RESUMES

Alicia R Jansen CAC, LRCIA

Environmental Scientist

Alicia is an Associate Scientist with over ten years of experience in Phase I and II Environmental Assessments, with strong emphasis in water quality and environmental research. She is experienced in California Environmental Quality Act (CEQA) compliance and the preparation of initial studies. Alicia has managed the preparation of environmental documents, training programs, and environmental compliance during large environmental monitoring projects. Alicia's environmental consulting experience includes performing asbestos and lead-based paint surveys, oversight of contractors during asbestos abatement, hazardous materials surveys, and Phase I Environmental Site Assessments in accordance with the practices identified in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-13.

EDUCATION

BA, Environmental Studies, San Jose State University, San Jose, California, 2004

CERTIFICATIONS & TRAINING

Residential Measurement Provider, 108212, National Radon Proficiency Program, Anaheim, California, 2015

REGISTRATIONS

Certified Asbestos Consultant #CAC #15-5379, State of California Division of Occupational Safety and Health

Lead Related Construction Inspector Assessor #19526, California Department of Public Health

MEMBERSHIPS

Member, Groundwater Resources Association of California

PROJECT EXPERIENCE

Health, Safety & Industrial Hygiene

Confidential Health Care Company, Asbestos, Lead-Based Paint, and Hazardous Materials Survey, Northern California (Staff)

Alicia assisted with site inspections for asbestos, lead-based paint, and hazardous materials at multiple occupied hospitals and office spaces. The scope of work involved sample collection for asbestos and lead-based paint in addition to the quantification of universal wastes (PCBs, mercury containing equipment, refrigerants, etc.) that would require special handling and disposal. She assisted with the preparation of reports summarizing findings.

State of California General Services, Asbestos, Lead-Based Paint, and Hazardous Materials Survey, Northern California (Project Lead)

Alicia assisted with site inspections for asbestos, lead-based paint, and hazardous materials at multiple communication towers in remote areas. The scope of work involved sample collection for asbestos and lead-based paint in addition to the quantification of universal wastes (PCBs, mercury containing equipment, refrigerants, etc.) that would require special handling and disposal. She assisted with the preparation of reports summarizing findings.

** denotes projects completed with other firms*

Alicia R Jansen CAC, LRCST

Environmental Scientist

Indoor Air Quality Assessments*, San Jose, California (Staff)
Alicia performed site inspections, interviews, and collected air samples to be analyzed for various air pollutants and molds including formaldehyde, penicillium, aspergillus, cladosporium, and stachybotry. She prepared reports summarizing findings and made recommendations.

Veteran's Administration of Puget Sound, Asbestos and Lead-Based Paint Survey, Seattle, Washington (Project Scientist)
Alicia served as the Project Scientist responsible for hazardous building material assessments, specifically asbestos and lead-based paint. These services were required as part of the pre-design tasks for this project. Over 300 samples were collected over the span of four days culminating in a final hazardous building materials report to be incorporated into the facility design as well as demolition activities once the construction phase of the project commences.

Interim Remedial Action, Indoor Air Sampling, and Sub-Slab Soil Gas Sampling, Sunnyvale, California (Staff)
Alicia conducted an indoor air sampling survey using air sampling pumps, dosimeter badges, and flame ionization detector (FID) during a sump excavation. She performs semi-annual sub-slab soil vapor sampling and indoor air quality surveys using summa canisters. She assists with the preparation and submittal of reports summarizing the findings and provides recommendations to the RWQCB.

Lead Dust Assessment and Abatement Oversight, Fremont, California (Project Scientist)
Alicia assisted with the evaluation of lead dust in an industrial facility. A total of 307 dust wipe samples were collected in order to evaluate the potential presence of lead dust throughout the two-story, 500,000 square foot manufacturing building.

Former Tesoro Coke Facility, Asbestos, Lead-Based Paint Survey, Pittsburg, California (Project Scientist)
Alicia assisted with an asbestos and lead paint survey of 20 structures at the facility ultimately scheduled for demolition. More than 200 samples were collected over the span of two days. A report was prepared that will stand up to regulatory scrutiny for demolition while providing the information needed for worker safety during demolition activities at the facility

Permitting, Compliance, Auditing

Tesoro Refinery, Initial Study*, Benicia, California (Staff)
Alicia assisted with the background research and preparation of applicant-prepared initial study for the upgrade of a refinery.

Transmission Line Upgrade*, San Mateo to San Francisco, California (Staff)
Alicia supported the environmental compliance program for the construction of a 27-mile 230 kV underground and overhead transmission line. She assisted with the preparation and submittal of variance requests, extra work space requests, and daily and weekly reports for submittal to the California Public Utilities Commission. She also conducted research and assisted with training and report preparation.

** denotes projects completed with other firms*

Alicia R Jansen CAC, LRCST

Environmental Scientist

Remedial Investigations & Assessments

Multiple Confidential Clients, Phase I Environmental Site Assessments (ESA), Multiple Sites, California (Project Lead)

Alicia performs Phase I ESA in accordance with the practices identified in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-13 to achieve compliance with requirements of the "All Appropriate Inquiries" rule required to obtain protection from liability under the federal Comprehensive Environmental Response, Cleanup and Liability Act (CERCLA). Previous sites include large industrial warehouses, multi-tenant commercial buildings, and residential properties. She reviews topographic maps, Sanborn Fire Insurance Maps, and files at local regulatory agencies. She interviews present and former property owners and performed site and adjacent property reconnaissance. She prepares reports summarizing the findings and provides recommendations for further assessment if applicable.

California Department of Transportation Portfolio, Multiple Sites, Northern California (Project Lead)

Alicia prepared quarterly groundwater monitoring reports, subsurface investigation reports, sensitive receptor surveys, and preferential pathway studies for various California Department of Transportation locations throughout northern California. She assisted with the utility locating, work plan preparation, field coordination, archived data onto the State Water Resource Control Board's (RWQCB) Geotracker electronic filing system.

Homebuilder, Soil Gas Sampling and Human Health Risk Assessment, San Jose, California (Project Lead)

Alicia performed a soil vapor survey in conformance with the DTSC, Advisory Active Soil Gas Investigations, using a low-dead volume soil vapor sampling device and a mobile laboratory for onsite chemical analysis. She also assisted with the report preparation summarizing the findings and providing recommendations for further assessment, if applicable.

Goodyear Portfolio, Northern California and Hawaii (Project Lead)

Alicia performed Phase I ESAs and Phase II Site Assessments for various Goodyear Tire & Rubber Company locations throughout California and Hawaii. She assisted with the installation of monitoring wells and exploratory borings; underground storage tank removals; site restoration; product removal with passive recovery system; archived data onto the State Water Resource Control Board's Geotracker electronic filing system; and assisted with the preparation of quarterly groundwater monitoring reports, sensitive receptor surveys, site conceptual models, and subsurface investigation reports.

** denotes projects completed with other firms*

Joshua Sargent

Geologic Staff

Joshua is a staff geologist with a master's degree in geological sciences. He has extensive field experience in geophysical exploration techniques and Phase I and II Environmental Assessment field work and report preparation. His field experience includes subsurface gold-copper porphyry deposit mapping using induced polarization and resistivity geophysics, mapping of shallow faults throughout Southern California using refraction seismology equipment, soil logging and collection, soil vapor collection, and surface and groundwater collection with basic flow measurements and parameter stabilization. He is skilled in using ArcGIS 10, Adobe Suite, and the Microsoft Office Suite. Joshua's environmental consulting experience includes performing Phase I Environmental Site Assessments in accordance with the practices identified in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-13, and the collection, and interpretation of Phase II Environmental Assessment data. Joshua also has experience in preparing Phase II Environmental Assessment reports based from this compiled data.

EDUCATION

MS, Geological Sciences, California Polytechnic State University, Pomona, California, 2014

BS, Geological Sciences, California Polytechnic State University, Pomona, California, 2012

CERTIFICATIONS & TRAINING

8-Hour Supervisor Trainer Course Certification Hazwoper Standard, OSHA, Redlands, California, 2015

8-Hour Refresher Course Hazwoper Standard (29 CFR 1910.120), OSHA, Redlands, California, 2015

First Aid and CPR Certification, American Safety, Redlands, California, 2015

40-Hour Hazwoper, OSHA, Signal Hill, California, 2012

MEMBERSHIPS

Member, Geological Society of America

PROJECT EXPERIENCE

Health and Safety Management

Health and Safety Subcontractor Oversight Services (Geological Staff)

Joshua has provided subcontractor oversight for field activities including soil, soil vapor, and groundwater sampling. Other field activities include well destruction and on-site remediation.

Technical Writing

Various Technical Writing Projects (Geological Staff)

Joshua prepares Health and Safety plans, written permit applications, Phase I and Phase II Environmental Site Assessments reports, Work Plans dealing with soil, soil vapor, and groundwater sampling, and groundwater monitoring reports.

Environmental Site Assessments

Phase I Site Assessment, Redlands, California (Phase I and Phase II Environmental Site Assessment, Author)

Joshua performed an on-site reconnaissance survey, historical records investigation, and formulated the report deliverable. The report provided a thorough review of the property history and defined present environmental concerns for the client.

Soil Sampling

Dust and Pesticide Monitoring, Soil Sampling, Monterey Park, California (Oversight, Dust and Pesticide Monitoring, Soil Sampling)

Joshua performed field oversight during contaminated soil removal at a future residential community. Dust and toxaphene were monitored simultaneously to generate a site-specific threshold for dust concentration. Routine dust monitoring was performed once the threshold was determined. Property gridding and soil sampling were performed to determine contamination.

** denotes projects completed with other firms*

Joshua Sargent

Geologic Staff

Soil Vapor Intrusion Assessment

Soil Vapor Monitoring Well Installation, Various Locations, California (Field Oversight, Soil Description)

Joshua performed field oversight during the installation of multiple soil vapor monitoring wells. He assisted with health and safety oversight, described the soil during drilling, activities, assisted with the well installation, and conducted the subsequent soil vapor sampling.

Environmental Site Remediation

Soil Vapor Remediation, Orange County, California (Geological Staff)

Joshua has provided monthly operation and maintenance on a soil vapor extraction system operating at a historical landfill. Components of the operation and maintenance included measurements of the recovered vapor for methane and volatile organic compounds, and collecting flow measurements from the extraction wells. Joshua prepared month operation and maintenance reports.

Subcontractor Oversight Services and Confirmation Soil Sampling (Geological Staff)

Joshua has provided subcontractor oversight for remedial excavation of pesticide- and petroleum-impacted soil, and later conducted confirmation sampling to ensure all impacted material had been removed from the Site.

** denotes projects completed with other firms*

Joshua Sargent

Geologic Staff

PUBLICATIONS

Sources of Fluids in Shallow Groundwater Near Natural Gas Extraction – Weld, Adams, and Boulder Counties, Colorado. *Geological Society of America Poster Presentation, Poster # 344-6, Session # 344, Geological Society of America 125th Annual Meeting, Denver, Colorado*, 2013.

Sources of Fluids and Salinity in Shallow Groundwater Near Natural Gas Extraction: Weld, Adams, and Boulder Counties, Colorado. *Geological Sciences Department for California Polytechnic State University Pomona*, 2014.

Sources of Biogenic Methane in Shallow Aquifers, Denver Julesburg Basin, Colorado. *Applied Geochemistry*, 2015.

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Kyle has more than 35 years of professional experience—25 of those years with Stantec—providing geotechnical and environmental consulting. During the course of his experience, he has been involved with a wide variety of geological and engineering projects. He has been in direct charge of quality control/quality assurance (QA/QC) work for Stantec and previous firms for geological, engineering geological, and environmental services primarily in California. Additionally, Kyle has been a primary contact for Stantec with many different clients (including multi-party actions) and regulatory bodies involving contracting, workplan approvals, site assessments and closures, permitting, remedial action, and litigation support. With regard to litigation services, Kyle has extensive experience providing expert witness testimony, second-party review, and litigation support and analysis.

Kyle's extensive experience includes assessment and remediation of property-specific and regional issues involving soil and groundwater contaminated with petroleum hydrocarbons, chlorinated solvents, heavy metals, pesticides, and PCBs.

He currently serves as the managing principal geologist in Stantec's Redlands, California office.

EDUCATION

Engineering Geology/Hydrogeology, California State University, Los Angeles, California, 1984

AS, General Science, Crafton Hills College, Yucaipa, California, 1975

BS, Geological Sciences, California State University, Long Beach, California, 1982

REGISTRATIONS

Certified Engineering Geologist #1271, State of California

Professional Geologist #4066, State of California

PROJECT EXPERIENCE

Bioremediation

Excavation and Treatment of Petroleum-Contaminated Soil

Kyle designed the excavation and treatment of 45,000 cubic yards of petroleum-contaminated soil. Soil treatment included utilizing vapor extraction, combined with bioremediation.

Chemicals & Polymers

Two Former Chemical Plants, Environmental Site Assessments and Remediation, Vernon, California

Mr. Emerson was part of the team for conducting Phase I and Phase II Environmental Site Assessments (ESA) and developing remedial action plans for two former chemical plant sites with 80-year industrial histories. Phase I ESAs used historical files, maps, aerial photographs, available documents, and data from public agencies and historical directories for identifying recognized environmental concerns. Extensive Phase II ESA survey activities aided in identifying below-grade structures such as vaults/USTs, as well as assessing the extent of influence and nature of the contamination. These investigations confirmed the presence of heavy metals, petroleum hydrocarbons, volatile organic compounds, polychlorinated biphenyls, radioactive materials, semi-volatile organic compounds, and polycyclic aromatic compounds in the soils for these sites. Specific areas of concern included former settling ponds, a bone yard, maintenance areas, transformer and substations, wastewater treatment facilities, and above-ground storage tank farms. A conceptual mode was developedl for use in a health risk assessment and developed risk-based corrective actions to address potential health and environmental concerns. He assisted with the development and implementation of a remedial action plan, combined administrative controls, engineering controls, and active remediation; this resulted in the cost-effective return of one site to active use, and is reducing health risks to occupants and the public at the second site.

Kyle D. Emerson PG, CEG

Managing Principal Geologist

CONFIDENTIAL: Aerospace Adhesives and Coatings Plant, Glendale, California

Mr. Emerson was part of the team that conducted feasibility studies to evaluate remedial alternatives for remediation of chlorinated VOCs, 1,4 dioxane, and hexavalent chromium (CrVI) in soil, soil vapor, and groundwater. Feasibility studies included groundwater pump testing, benchscale column testing to evaluate in situ alternatives for reducing CrVI to the less mobile CrIII valence state, soil vapor extraction, capping, and excavation. Field pilot studies were performed to evaluate the efficiency of various CrVI reductants including the use of ferrous sulfate, calcium polysulfide, emulsified oil, and fructose. Extensive multi-depth soil vapor testing was conducted to evaluate the distribution of VOCs in the subsurface and to support vapor intrusion risk assessment. Feasibility studies were completed in 2008. Remedial actions are expected to be completed in 2011.

Condition Assessments

Assessment and Mitigation of Manufacturing Facility

Kyle managed the assessment and mitigation of an ammunition manufacturing facility covering 1,100 acres in a complex geologic environment. The contaminates involved red and white phosphorous, TNT, chlorinated solvents, solid wastes, and live ordinance.

Soil Contamination Assessment Supervision and Management

Kyle managed and supervised soil contamination assessment and in-situ remediation of heavy metals involving chromium, cadmium, nickel and zinc by chemical fixation to depths in excess of 40 feet below ground surface beneath existing structures within several manufacturing facilities.

Litigation Support and Expert Testimony

Kyle provided litigation support and expert testimony on more than 20 separate projects involving service stations, chlorinated solvent cases, heavy metal, and semi-volatile releases.

Corporate / Office

CT Realty Environmental Remediation of Former Dry Cleaners, El Centro, California

Mr. Emerson was responsible for assessments and remediation at this former dry cleaners which released the dry cleaning chemical tetrachloroethene (PCE) to the ground and underlying groundwater. The work included initial site assessment, agency interaction and negotiations with the California Regional Water Quality Control Board (CRWQCB), and Colorado Basin Region human health risk assessment (HHRA), design and implementation of remedial investigations, feasibility studies, remedial action plans, and implementation of remediation in mitigating chlorinated solvent contamination in vadose and saturated zones at concentrations indicative of DNAPL. The results of the completed remediation, as well as continued confirmation sampling and monitoring, allowed the CRWQCB to issue site closure in 2008. The site has since been redeveloped into a new commercial development.

Environmental Assessments

Siting Studies

Kyle performed initial siting studies for potential Class I, II, and III landfills. The project included detailed geologic mapping, hydrogeological studies, and permeability studies of caps and liners.

Environmental Site Remediation

Assessment and Remedial Design, California (Project Supervisor)

Kyle supervised the assessment and remedial design of a system to eliminate salt brine contamination in shallow perched water horizons in the Yucaipa, San Bernardino, and Riverside areas of southern California.

Design and Installation of Recovery Systems*

Kyle designed and installed numerous free-product recovery systems that successfully recovered product. One of the sites contained product up to 11-feet thick covering more than three city blocks. The dissolved phase had affected a multi-aquifer system and a public drinking water system.

Geophysical Characterizations*

Kyle performed and supervised numerous geophysical characterizations to determine the extent of old landfills. He provided classification studies, landfill gas monitoring, removal verification during grading, methane collection and mitigation plans, permitting, and closure plans.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Domestic Landfill Development*

Kyle designed and supervised the dynamic consolidation of a domestic landfill for development. He used this process to minimize expected settlement to overlying structures. Kyle designed commercial developments on closed landfills that involved complex methane collection and monitoring systems and building settlement controls.

Clay Borrow Site Studies

Kyle performed more than 10 separate clay borrow site studies for determining sources of material to cap landfills; ranged from a 20-acre dry lakebed to a 450-acre parcel in complex folded marine sediments.

Assessment, Clean Up, and Regulatory Support Management, Santa, Monica (Project Manager)

Kyle managed the assessment, clean up, and complex regulatory support of a PRP site in an MTBE case (Charnock subbasin). His work involved more than 20 environmental professionals working full time for two years to complete the assessment and clean up mandated by the regulatory agencies.

Hazardous Waste

San Gabriel Valley Superfund Site, Remediation & Closure of Multiple Source Areas, Industry, California

Mr. Emerson performed feasibility studies to evaluate appropriate and relevant remedial alternatives to mitigate constituents of concern in five AOCs contaminated with chlorinated hydrocarbons, heavy metals, petroleum fuel, and cutting oils. Ultimately, a combination of remedial alternatives was implemented that included large-diameter auger excavation to 45 feet to minimize impacts on facility operations, vapor extraction, vapor intrusion risk assessment, deed restriction, and monitored natural attenuation. At the completion of remedial actions, confirmation soil, soil vapor, and groundwater sampling were conducted and followed with risk assessment to demonstrate that remedial objectives had been achieved. No further action was recently granted by the US EPA and Los Angeles Regional Water Quality Control Board.

Mixed-Use

Port of San Diego Rohr Facility, Chula Vista, California

Mr. Enerson assisted in a detailed subsurface assessment of the Rohr facility. The intent of the assessment was to evaluate the 40-acre former aircraft part manufacturing facility for acquisition by the Port of San Diego for redevelopment into a business park and entertainment complex. The assessment identified the presence of soil, soil vapor, and groundwater impacts by petroleum hydrocarbons, VOCs, heavy metals, PCBs, and semi-volatile organic compounds. He utilized many sampling techniques to assess the limits and concentrations of contaminants in the subsurface. Ultimately, the team was able to develop a cost estimate for potential remedial action cost associated to corrective action to allow redevelopment.

Master Planned Commercial/Residential Redevelopment Project, Whittier, California (Project Manager)

Kyle oversaw the assessment of 26 contiguous properties that are part of a 21-acre master planned commercial/residential redevelopment project. The properties included industrial facilities, platting lines, fuel USTs, and metal processing plants, among others. The estimated cleanup costs are approximately $2 million.

Multi-Unit / Family Residential

Residential Development Assessment, Ventura, California (Project Director)

Kyle directed an assessment of a 40-acre former agricultural property proposed for residential development. Pesticides were identified above hazardous waste levels and preliminary remediation goals established by the U.S. Environmental Protection Agency. Through corrective grading methods and onsite placement of the pesticide impacted soils, all material were re-used on site without offsite disposal. The over all cost savings for the client was more than $1 million. Total cost was less than $250,000 for all necessary activities.

Oil & Gas

Oil Field Site Assessments*

Kyle performed site assessments at oil field leases involving refineries, bulk storage areas, piping systems and wellhead, and drilling mud pit contamination.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Environmental Protection Agency Superfund Action, Culver City, California (Project Manager)
Kyle served as the project manager representing a major oil company in the assessment, remedial action, and litigation support in a multi-party contamination case affecting a City water supply. The assessment involved more than 250 continuous core borings up to 100 feet, as well as extensive remedial actions. The total cost for all related activities was $22 million. The case is settled and the closure of the site is pending.

Project Management
Liability and Property Management Consulting Services
Kyle is providing liability and property management consulting services to more than 10 medium to large property development firms in the US. His work involves property transaction assessments, contract review, acquisition guideline development, liability management evaluation, insurance acquisition, and strategic planning.

Residential Development
Environmental Development Management and Review (Project Manager)
Kyle manages and reviews environmental development issues for a large residential developer specializing in development of contaminated industrial properties by providing innovative solutions in developing contaminated properties for residential use through risk assessment, engineering, and administrative and property development controls.

Site Management and Remediation
Design and Implementation of Biodegradation Programs*, California
Kyle designed and implemented one of the first in-situ biodegradation programs in California; it involved 50,000 cubic yards of diesel-contaminated soils, and groundwater to depths of 70 feet below ground surface.

Soil and Groundwater Remediation Systems
Soil and Groundwater Contamination Assessments and Mitigation*, California (Project Manger)
Kyle managed numerous chlorinated solvent soil and groundwater contamination assessments and mitigation programs in southern California. The projects involved releases that impacted soil and groundwater to depth of groundwater more than 700 feet in multi-aquifer systems. One case involved with plume dimensions more than 1 mile from the source affecting residential properties.

Soil and Groundwater Assessment and Remediation Programs*
Implemented hundreds of soil and groundwater assessment and remediation programs at various service station facilities in Southern and Northern California, and Nevada. Work involved assessment, remedial design, installation, maintenance and monitoring. Closure has been received on a majority of these sites.

Assessment and Remediation Management*
Kyle managed the assessment and remediation of soil and groundwater manufacturing at dry cleaning facilities contaminated with chlorinated solvents.

Warehouse / Light Industrial
Glendale Redevelopment Project, Glendale, California (Project Manager)
Kyle managed the assessment and remedial actions during the redevelopment of and industrial property. The project involved the demolition of a historic manufacturing facility and a commercial dry cleaner. Each of these facilities were associated with releases of solvents and petroleum hydrocarbons. Remedial actions involved excavation by pattern drilling and off site disposal along with removal of former USTs. The total cost of remediation and assessment was $450,000.00.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

Compton Redevelopment Project, Compton, California (Project Manager)

Kyle is serving as project manager for the assessment and remedial actions for a large redevelopment project. The project involves the redevelopment of a historic manufacturing facility and a former dry cleaner. Each of these facilities were associated with releases of solvents and petroleum hydrocarbons. The industrial facility was also associated with significant volumes of buried waste that required removal and disposal. These wastes also included the chemical referenced above, as well as PCBs and heavy metals. Remediation has included excavation, vapor extraction, and chemical fixation. The total cost of this project has been $2.8 million to date.

** denotes projects completed with other firms*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

PUBLICATIONS

In-Situ Bioremediation of an Underground Diesel Fuel Spill: A Case Study. *Environmental Management*, 1989.

Appendix C USER PROVIDED RECORDS

Stantec

PHASE I ESA USER'S QUESTIONNAIRE

In order to qualify for protection from land owner liability under CERCLA as an *innocent landowner, bona fide prospective purchaser,* or *contiguous property owner*, ASTM standard practice E1527-13 and the federal AAI rule (40 CFR 312) require that the User of the Phase I ESA report provide certain information (if available) to the Environmental Professional completing the assessment. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete. Information that is not or cannot be provided to the Environmental Professional may be identified as a "data gap" in the Phase I ESA report.

Please answer the following questions as completely as possible. Attach additional pages as needed. Return the completed questionnaire to Stantec along with the executed Authorization For services form.

1. Property Information

Property Name: Sanchez Farm land

Property Address(es): NEC Arch Rd + Logistics Dr.

City: Stockton State CA Zip _____

Property Owner Name: Anthony A. Sanchez and Steven A. Sanchez co-trustees

Property Owner Phone #: 818-347-6354

2. Contact For Site Access

Name: Blake Rasmussen

Company/Organization/Title: Cushman Wakefield / Broker

Phone # 209-481-7044 E-Mail Address: blake.rasmussen@cushwake.com

3. Environmental Cleanup Liens. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

_____ Yes ___✓___ No

If yes, describe or attach details of the lien _____

4. Activity and Land Use Limitations. Are you aware of any activity and use limitations, such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded as applicable to the property as a result of environmental contamination, investigation, cleanup, or related matters?

_____ Yes ___✓___ No

If yes, describe or attach details of the limitations _____

5. Specialized Knowledge or Experience. As the User of this ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property, such that you would have specialized knowledge about chemicals and processes used by this type of business?

_____ Yes ___X___ No

If yes, describe or attach details of your specialized knowledge or experience _____

_____

6. Relationship of Purchase Price to Fair Market Value of Property. Does the purchase price being paid for the property reasonably reflect the fair market value?

___X___Yes _____No

_____Not applicable. User is not involved in a purchase of the property.

If you conclude that there is a difference, do you have any reason to believe that the reduced purchase price may be related to contamination known or believed to be present at the property?

_____Yes, I have reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property.

_____No, I have no reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property.

7. Commonly Known or Reasonably Ascertainable Information. Are you aware of commonly known or reasonably ascertainable information about the property that would help the Environmental Professional to identify conditions indicative of releases or threatened releases of hazardous substances or petroleum products? For example:

Do you know the past uses of the property?

___X___Yes (describe) agriculture

_____

_____

_____No

Do you know of chemicals, hazardous substances or petroleum products that are present or once were present at the property?

_____Yes (describe) _____

_____

_____

___X___No

Do you know of spills or other releases of chemicals, hazardous substances or petroleum products that have taken place at the property?

_____Yes (describe) _____

_____

_____

__X__No

Do you know of any environmental cleanups that have taken place at the property?

_____Yes (describe) _____

_____

_____

__X__No

8. The Degree of Obviousness of Contamination. E1527-13 and the federal AAI rule (40 CFR 312.31) require that the Phase I ESA consider the degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation. Based on your knowledge and experience related to the property, are there any *obvious* indictors that point to the presence or likely presence of contamination at the property?

_____Yes (describe) _____

_____

_____

__X__No

9. Availability of Previous Environmental Reports. Are you aware of previous environmental site assessment reports, other environmental reports, documents, correspondence, etc. concerning the property and its environmental condition?

_____Yes (describe) _____

_____

_____

__X__No

Signature: _____

Name (printed): Marc S. Bellucomini

Title: EVP

Date: 10/25/18

July 2, 2018 Update

First American Title Insurance Company

National Commercial Services

18500 Von Karman Ave, Suite 600
Irvine, CA 92612

April 12, 2018

Roland Dolendo
CT Realty
4343 Von Karman Ave, Suite 200
Newport Beach, CA 92660-2005
Phone: (949)431-6408
Fax: (949)431-6440

Customer Reference: APN: 181-100-09

Title Officer:	Wendy Hagen Bowen	Title Assistant:	Diane Nesbit
Phone:	(909)510-6225	Phone:	(909)510-6200
Email:	whagen@firstam.com	Email:sss	dnesbit@firstam.com

Order Number: NCS-901253-SA1

Escrow Officer:	Ryan Hahn
Phone:	(949)885-2472
Email:	rhahn@firstam.com

Property: 6001 Austin Road, Stockton, CA

Attached please find the following item(s):

Commitment

Thank You for your confidence and support. We at First American Title Insurance Company maintain the fundamental principle:

Customer First!

First American Title Insurance Company

INFORMATION

The Title Insurance Commitment is a legal contract between you and the company. It is issued to show the basis on which we will issue a Title Insurance Policy to you. The Policy will insure you against certain risks to the land title, subject to the limitations shown in the policy.

The Company will give you a sample of the Policy form, if you ask.

The Commitment is based on the land title as of the Commitment Date. Any changes in the land title or the transaction may affect the Commitment and the Policy.

The Commitment is subject to its Requirements, Exceptions and Conditions.

This information is not part of the title insurance commitment.

TABLE OF CONTENTS

		Page
Agreement to Issue Policy		3
Schedule A		
1.	Commitment Date	4
2.	Policies to be Issued, Amounts and Proposed Insured	4
3.	Interest in the Land and Owner	4
4.	Description of the Land	4
Schedule B-1 - Requirements		
Schedule B-2 - Exceptions		
Conditions		

YOU SHOULD READ THE COMMITMENT VERY CAREFULLY.
If you have any questions about the Commitment,
please contact the issuing office.

COMMITMENT FOR TITLE INSURANCE

Issued by

First American Title Insurance Company

Agreement to Issue Policy

We agree to issue a policy to you according to the terms of this Commitment.

When we show the policy amount and your name as the proposed insured in Schedule A, this Commitment becomes effective as of the Commitment Date shown in Schedule A.

If the Requirements shown in this Commitment have not been met within six months after the Commitment Date, our obligation under this Commitment will end. Also, our obligation under this Commitment will end when the Policy is issued and then our obligation to you will be under the Policy.

Our obligation under this Commitment is limited by the following:

The Provisions in Schedule A.

The Requirements in Schedule B-1.

The Exceptions in Schedule B-2.

The Conditions.

This Commitment is not valid without Schedule A and Sections 1 and 2 of Schedule B.

SCHEDULE A

1. Commitment Date: July 02, 2018 at 7:30 A.M.

2. Policy or Policies to be issued: Amount

   (A) ALTA Owner's Policy $16,500,000.00
   ALTA Extended Owner Policy
   Proposed Insured:

   CT Norcal Landco II, LLC, a Delaware limited liability company

   (B) ALTA Loan Policy $To Be Determined
   ALTA Extended Loan Policy
   Proposed Insured:

   To Be Determined

3. (A) The estate or interest in the land described in this Commitment is:

   Fee Simple

   (B) Title to said estate or interest at the date hereof is vested in:

   Anthony A. Sanchez and Steven A. Sanchez, Co-Trustees Under The Will Of Roberta Sanchez, Trust B

4. The land referred to in this Commitment is situated in the unincorporated area of County of San Joaquin, State of California, and is described as follows:

   THE NORTHEAST QUARTER OF SECTION 27, TOWNSHIP 1 NORTH, RANGE 7 EAST, MOUNT DIABLO BASE AND MERIDIAN.

   EXCEPT THE INTEREST CONVEYED TO COUNTY OF SAN JOAQUIN, BY DEED RECORDED NOVEMBER 25, 1949 IN VOL. 1083 OF OFFICIAL RECORDS, PAGE 295, SAN JOAQUIN COUNTY RECORDS.

   ALSO EXCEPT THE INTEREST CONVEYED TO THE COUNTY OF SAN JOAQUIN BY DEED RECORDED DECEMBER 9, 1966 IN VOL. 3092 OF OFFICIAL RECORDS, PAGE 83, SAN JOAQUIN COUNTY RECORDS.

   ALSO EXCEPTING THEREFROM THAT PORTION CONVEYED TO THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY, A DELAWARE CORPORATION, BY DEED RECORDED APRIL 15, 2003 AS INSTRUMENT NO. 2003-079581, SAN JOAQUIN COUNTY RECORDS.

   APN: 181-100-090-000

SCHEDULE B

SECTION ONE

REQUIREMENTS

The following requirements must be met:

(A) Pay the agreed amounts for the interest in the land and/or the mortgage to be insured.

(B) Pay us the premiums, fees and charges for the policy.

(C) Documents satisfactory to us creating the interest in the land and/or the mortgage to be insured must be signed, delivered and recorded.

(D) You must tell us in writing the name of anyone not referred to in this Commitment who will get an interest in the land or who will make a loan on the land. We may then make additional requirements or exceptions.

(E) Releases(s) or Reconveyance(s) of Item(s): 6

(F) Other: None

(G) You must give us the following information:
1. Any off record leases, surveys, etc.
2. Statement(s) of Identity, all parties.
3. Other:

With respect to the trust referred to in the vesting:

a. A certification pursuant to Section 18100.5 of the California Probate Code in a form satisfactory to the Company.
b. Copies of those excerpts from the original trust documents and amendments thereto which designate the trustee and confer upon the trustee the power to act in the pending transaction.
c. Other requirements which the Company may impose following its review of the material required herein and other information which the Company may require.

The following additional requirements, as indicated by "X", must be met:

[X] (H) Provide information regarding any off-record matters, which may include, but are not limited to: leases, recent works of improvement, or commitment statements in effect under the Environmental Responsibility Acceptance Act, Civil Code Section 850, et seq.

The Company's Owner's Affidavit form (as provided by company) must be completed and submitted prior to close in order to satisfy this requirement. This Commitment will then be subject to such further exceptions and/or requirements as may be deemed necessary.

[X] (I) An ALTA/NSPS survey of recent date, which complies with the current minimum standard detail requirements for ALTA/NSPS land title surveys, must be submitted to the Company for review. This Commitment will then be subject to such further exceptions and/or requirements as may be deemed necessary.

[] (J) The following LLC documentation is required:
(i) a copy of the Articles of Organization
(ii) a copy of the Operating Agreement, if applicable
(iii) a Certificate of Good Standing and/or other evidence of current Authority to Conduct Business within the State
(iv) express Company Consent to the current transaction

[] (K) The following partnership documentation is required **:**
(i) a copy of the partnership agreement, including all applicable amendments thereto
(ii) a Certificate of Good Standing and/or other evidence of current Authority to Conduct Business within the State
(iii) express Partnership Consent to the current transaction

[] (L) The following corporation documentation is required:
(i) a copy of the Articles of Incorporation
(ii) a copy of the Bylaws, including all applicable Amendments thereto
(iii) a Certificate of Good Standing and/or other evidence of current Authority to Conduct Business within the State
(iv) express Corporate Resolution consenting to the current transaction

[] (M) Based upon the Company's review of that certain partnership/operating agreement dated **Not disclosed** for the proposed insured herein, the following requirements must be met:

Any further amendments to said agreement must be submitted to the Company, together with an affidavit from one of the general partners or members stating that it is a true copy, that said partnership or limited liability company is in full force and effect, and that there have been no further amendments to the agreement. This Commitment will then be subject to such further requirements as may be deemed necessary.

[] (N) A copy of the complete lease, as referenced in Schedule A, #3 herein, together with any amendments and/or assignments thereto, must be submitted to the Company for review, along with an affidavit executed by the present lessee stating that it is a true copy, that the lease is in full force and effect, and that there have been no further amendments to the lease. This Commitment will then be subject to such further requirements as may be deemed necessary.

[X] (O) Approval from the Company's Underwriting Department must be obtained for issuance of the policy contemplated herein and any endorsements requested thereunder. This Commitment will then be subject to such further requirements as may be required to obtain such approval.

[] (P) Potential additional requirements, if ALTA Extended coverage is contemplated hereunder, and work on the land has commenced prior to close, some or all of the following requirements, and any other requirements which may be deemed necessary, may need to be met:

[] (Q) The Company's "Indemnity Agreement I" must be executed by the appropriate parties.

[] (R) Financial statements from the appropriate parties must be submitted to the Company for review.

[] (S) A copy of the construction contract must be submitted to the Company for review.

[] (T) An inspection of the land must be performed by the Company for verification of the phase of construction.

[] (U) The Company's "Mechanic's Lien Risk Addendum" form must be completed by a Company employee, based upon information furnished by the appropriate parties involved.

SCHEDULE B

SECTION TWO

EXCEPTIONS

Any policy we issue will have the following exceptions unless they are taken care of to our satisfaction. The printed exceptions and exclusions from the coverage of the policy or policies are set forth in Exhibit A attached. Copies of the policy forms should be read. They are available from the office which issued this Commitment.

1. General and special taxes and assessments for the fiscal year 2018-2019, a lien not yet due or payable.

   1a. Taxes and assessments are unavailable at this time. Please verify all tax and assessment information prior to closing.

2. The lien of supplemental taxes, if any, assessed pursuant to Chapter 3.5 commencing with Section 75 of the California Revenue and Taxation Code.

3. This item has been intentionally deleted.

4. Terms, provisions, covenants, restrictions and conditions contained in a document executed pursuant to the California Land Conservation Act of 1965 (Williamson Act) and recorded February 3, 1995 as Instrment No. 95009886 of Official Records.

5. An option in favor of Opus West Corporation, a Minnesota corporation as contained in or disclosed by a document recorded November 06, 2007 as Instrument No. 2007-189910 of Official Records.

6. Notice of pendency of action recorded March 17, 2014 as Instrument No. 2014-025932 of Official Records.

Court:	Superior Court of California County of San Joaquin
Case No.:	39-2014-00308635-CU-EI-STK
Plaintiff:	Pacific Gas and Electric Company
Defendant:	Tony A. Sanchez aka Anthony A. Sanchez; Anthony A. Sanchez and Steven A. Sanchez, co-trustees of Trust B under the will of Roberta A. Sanchez, deceased; and Does 1 through 50 inclusive
Purpose:	Real Property

7. An easement for right to erect, construct, reconstruct, replace, remove, maintain and use a line of poles with such wires and cables as grantee shall from time to time suspend therefrom for the transmission and distribution of electric energy, and for communication purposes, and all necessary and proper crossarms, guys, anchors and other appliances and fixtures for use in connection with said poles, wires and cables, together with a right of way and incidental purposes, recorded December 09, 2015 as Instrument No. 2015-144578 of Official Records.

In Favor of:	Pacific Gas and Electric Company, a California corporation
Affects:	as described therein

8. Any defects, liens, encumbrances or other matters which name parties with the same or similar names as Tony A. Sanchez, Anthony A. Sanchez and Steven A. Sanchez. The name search necessary to ascertain the existence of such matters has not been completed. In order to complete this preliminary report or commitment, we will require a statement of information.

9. Rights of the public in and to that portion of the land lying within any road, street and/or highway.

10. Any claim that the Title is subject to a trust or lien created under The Perishable Agricultural Commodities Act, 1930 (7 U.S.C. §§499a, et seq.) or the Packers and Stockyards Act (7 U.S.C. §§181 et seq.) or under similar state laws.

11. Any facts, rights, interests or claims which would be disclosed by a correct ALTA/NSPS survey.

12. Rights of parties in possession.

13. The terms and provisions contained in the document entitled "Memorandum of Purchase Agreement and Escrow Instructions" recorded June 29, 2018 as Instrument No. 2018-072499 of Official Records.

INFORMATIONAL NOTES

ALERT - CA Senate Bill 2 imposes an additional fee of $75 up to $225 at the time of recording on certain transactions effective January 1, 2018. Please contact your First American Title representative for more information on how this may affect your closing.

1. Taxes for proration purposes only for the fiscal year 2017-2018.

First Installment:	$2,665.95, PAID
Second Installment:	$2,665.95, PAID
Tax Rate Area:	118064
APN:	181-100-090-000

2. According to the latest available equalized assessment roll in the office of the county tax assessor, there is located on the land a(n) Commercial Structure known as 6001 Austin Road, Stockton, CA.

3. According to the public records, there has been no conveyance of the land within a period of twenty four months prior to the date of this report, except as follows:

A document recorded May 18, 2018 as Instrument No. 2018-055198 of Official Records.

From:	Tony A. Sanchez, also known as Anthony A. Sanchez, an unmarried man
To:	Anthony A. Sanchez and Steven A. Sanchez, Co-Trustees Under The Will Of Roberta Sanchez, Trust B

4. This preliminary report/commitment was prepared based upon an application for a policy of title insurance that identified land by street address or assessor's parcel number only. It is the responsibility of the applicant to determine whether the land referred to herein is in fact the land that is to be described in the policy or policies to be issued.

The map attached, if any, may or may not be a survey of the land depicted hereon. First American Title Insurance Company expressly disclaims any liability for loss or damage which may result from reliance on this map except to the extent coverage for such loss or damage is expressly provided by the terms and provisions of the title insurance policy, if any, to which this map is attached.

*****To obtain wire instructions for deposit of funds to your escrow file please contact your Escrow Officer.******

CONDITIONS

1. **DEFINITIONS**
(a)"Mortgage" means mortgage, deed of trust or other security instrument.
(b)"Public Records" means title records that give constructive notice of matters affecting the title according to the state law where the land is located.

2. **LATER DEFECTS**
The Exceptions in Schedule B - Section Two may be amended to show any defects, liens or encumbrances that appear for the first time in the public records or are created or attached between the Commitment Date and the date on which all of the Requirements (a) and (c) of Schedule B - Section One are met. We shall have no liability to you because of this amendment.

3. **EXISTING DEFECTS**
If any defects, liens or encumbrances existing at Commitment Date are not shown in Schedule B, we may amend Schedule B to show them. If we do amend Schedule B to show these defects, liens or encumbrances, we shall be liable to you according to Paragraph 4 below unless you knew of this information and did not tell us about it in writing.

4. **LIMITATION OF OUR LIABILITY**
Our only obligation is to issue to you the Policy referred to in this Commitment, when you have met its Requirements. If we have any liability to you for any loss you incur because of an error in this Commitment, our liability will be limited to your actual loss caused by your relying on this Commitment when you acted in good faith to:

comply with the Requirements shown in Schedule B - Section One
or
eliminate with our written consent any Exceptions shown in Schedule B - Section Two.

We shall not be liable for more than the Policy Amount shown in Schedule A of this Commitment and our liability is subject to the terms of the Policy form to be issued to you.

5. **CLAIMS MUST BE BASED ON THIS COMMITMENT**
Any claim, whether or not based on negligence, which you may have against us concerning the title to the land must be based on this commitment and is subject to its terms.



First American Title

Privacy Information

We Are Committed to Safeguarding Customer Information

In order to better serve your needs now and in the future, we may ask you to provide us with certain information. We understand that you may be concerned about what we will do with such information - particularly any personal or financial information. We agree that you have a right to know how we will utilize the personal information you provide to us. Therefore, together with our subsidiaries we have adopted this Privacy Policy to govern the use and handling of your personal information.

Applicability

This Privacy Policy governs our use of the information that you provide to us. It does not govern the manner in which we may use information we have obtained from any other source, such as information obtained from a public record or from another person or entity. First American has also adopted broader guidelines that govern our use of personal information regardless of its source. First American calls these guidelines its Fair Information Values.

Types of Information

Depending upon which of our services you are utilizing, the types of nonpublic personal information that we may collect include:

- Information we receive from you on applications, forms and in other communications to us, whether in writing, in person, by telephone or any other means;
- Information about your transactions with us, our affiliated companies, or others; and
- Information we receive from a consumer reporting agency.

Use of Information

We request information from you for our own legitimate business purposes and not for the benefit of any nonaffiliated party. Therefore, we will not release your information to nonaffiliated parties except: (1) as necessary for us to provide the product or service you have requested of us; or (2) as permitted by law. We may, however, store such information indefinitely, including the period after which any customer relationship has ceased. Such information may be used for any internal purpose, such as quality control efforts or customer analysis. We may also provide all of the types of nonpublic personal information listed above to one or more of our affiliated companies. Such affiliated companies include financial service providers, such as title insurers, property and casualty insurers, and trust and investment advisory companies, or companies involved in real estate services, such as appraisal companies, home warranty companies and escrow companies. Furthermore, we may also provide all the information we collect, as described above, to companies that perform marketing services on our behalf, on behalf of our affiliated companies or to other financial institutions with whom we or our affiliated companies have joint marketing agreements.

Former Customers

Even if you are no longer our customer, our Privacy Policy will continue to apply to you.

Confidentiality and Security

We will use our best efforts to ensure that no unauthorized parties have access to any of your information. We restrict access to nonpublic personal information about you to those individuals and entities who need to know that information to provide products or services to you. We will use our best efforts to train and oversee our employees and agents to ensure that your information will be handled responsibly and in accordance with this Privacy Policy and First American's Fair Information Values. We currently maintain physical, electronic, and procedural safeguards that comply with federal regulations to guard your nonpublic personal information.

Information Obtained Through Our Web Site

First American Financial Corporation is sensitive to privacy issues on the Internet. We believe it is important you know how we treat the information about you we receive on the Internet.

In general, you can visit First American or its affiliates' Web sites on the World Wide Web without telling us who you are or revealing any information about yourself. Our Web servers collect the domain names, not the e-mail addresses, of visitors. This information is aggregated to measure the number of visits, average time spent on the site, pages viewed and similar information. First American uses this information to measure the use of our site and to develop ideas to improve the content of our site.

There are times, however, when we may need information from you, such as your name and email address. When information is needed, we will use our best efforts to let you know at the time of collection how we will use the personal information. Usually, the personal information we collect is used only by us to respond to your inquiry, process an order or allow you to access specific account/profile information. If you choose to share any personal information with us, we will only use it in accordance with the policies outlined above.

Business Relationships

First American Financial Corporation's site and its affiliates' sites may contain links to other Web sites. While we try to link only to sites that share our high standards and respect for privacy, we are not responsible for the content or the privacy practices employed by other sites.

Cookies

Some of First American's Web sites may make use of "cookie" technology to measure site activity and to customize information to your personal tastes. A cookie is an element of data that a Web site can send to your browser, which may then store the cookie on your hard drive.

FirstAm.com uses stored cookies. The goal of this technology is to better serve you when visiting our site, save you time when you are here and to provide you with a more meaningful and productive Web site experience.

Fair Information Values

Fairness We consider consumer expectations about their privacy in all our businesses. We only offer products and services that assure a favorable balance between consumer benefits and consumer privacy.

Public Record We believe that an open public record creates significant value for society, enhances consumer choice and creates consumer opportunity. We actively support an open public record and emphasize its importance and contribution to our economy.

Use We believe we should behave responsibly when we use information about a consumer in our business. We will obey the laws governing the collection, use and dissemination of data.

Accuracy We will take reasonable steps to help assure the accuracy of the data we collect, use and disseminate. Where possible, we will take reasonable steps to correct inaccurate information. When, as with the public record, we cannot correct inaccurate information, we will take all reasonable steps to assist consumers in identifying the source of the erroneous data so that the consumer can secure the required corrections.

Education We endeavor to educate the users of our products and services, our employees and others in our industry about the importance of consumer privacy. We will instruct our employees on our fair information values and on the responsible collection and use of data. We will encourage others in our industry to collect and use information in a responsible manner.

Security We will maintain appropriate facilities and systems to protect against unauthorized access to and corruption of the data we maintain.

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EXHIBIT A
LIST OF PRINTED EXCEPTIONS AND EXCLUSIONS (BY POLICY TYPE)

1. CALIFORNIA LAND TITLE ASSOCIATION STANDARD COVERAGE POLICY - 1990
SCHEDULE B

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records. Proceedings by a public agency which may result in taxes or assessments, or notice of such proceedings, whether or not shown by the records of such agency or by the public records.
2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of the land or which may be asserted by persons in possession thereof.
3. Easements, liens or encumbrances, or claims thereof, which are not shown by the public records.
4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the public records.

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building and zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating to (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
   (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.
3. Defects, liens, encumbrances, adverse claims or other matters:
   (a) whether or not recorded in the public records at Date of Policy, but created, suffered, assumed or agreed to by the insured claimant;
   (b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;
   (c) resulting in no loss or damage to the insured claimant;
   (d) attaching or created subsequent to Date of Policy; or
   (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage or for the estate or interest insured by this policy.
4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with applicable "doing business" laws of the state in which the land is situated.
5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.
6. Any claim, which arises out of the transaction vesting in the insured the estate or interest insured by their policy or the transaction creating the interest of the insured lender, by reason of the operation of federal bankruptcy, state insolvency or similar creditors' rights laws.

2. AMERICAN LAND TITLE ASSOCIATION OWNER'S POLICY FORM B - 1970
SCHEDULE OF EXCLUSIONS FROM COVERAGE

1. Any law, ordinance or governmental regulation (including but not limited to building and zoning ordinances) restricting or regulating or prohibiting the occupancy, use or enjoyment of the land, or regulating the character, dimensions or location of any improvement now or hereafter erected on the land, or prohibiting a separation in ownership or a reduction in the dimensions of area of the land, or the effect of any violation of any such law, ordinance or governmental regulation.
2. Rights of eminent domain or governmental rights of police power unless notice of the exercise of such rights appears in the public records at Date of Policy.
3. Defects, liens, encumbrances, adverse claims, or other matters (a) created, suffered, assumed or agreed to by the insured claimant; (b) not known to the Company and not shown by the public records but known to the insured claimant either at Date of Policy or at the date such claimant acquired an estate or interest insured by this policy and not disclosed in writing by the insured claimant to the Company prior to the date such insured claimant became an insured hereunder; (c) resulting in no loss or damage to the insured claimant; (d) attaching or created subsequent to Date of Policy; or (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the estate or interest insured by this policy.

3. AMERICAN LAND TITLE ASSOCIATION OWNER'S POLICY FORM B - 1970
WITH REGIONAL EXCEPTIONS

When the American Land Title Association policy is used as a Standard Coverage Policy and not as an Extended Coverage Policy the exclusions set forth in paragraph 2 above are used and the following exceptions to coverage appear in the policy.

SCHEDULE B

This policy does not insure against loss or damage by reason of the matters shown in parts one and two following:
Part One

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.
2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of said land or by making inquiry of persons in possession thereof.
3. Easements, claims of easement or encumbrances which are not shown by the public records.
4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by public records.
5. Unpatented mining claims; reservations or exceptions in patents or in Acts authorizing the issuance thereof; water rights, claims or title to water.
6. Any lien, or right to a lien, for services, labor or material heretofore or hereafter furnished, imposed by law and not shown by the public records.

4. AMERICAN LAND TITLE ASSOCIATION LOAN POLICY - 1970
WITH A.L.T.A. ENDORSEMENT FORM 1 COVERAGE
SCHEDULE OF EXCLUSIONS FROM COVERAGE

1. Any law, ordinance or governmental regulation (including but not limited to building and zoning ordinances) restricting or regulating or prohibiting the occupancy, use or enjoyment of the land, or regulating the character, dimensions or location of any improvement now or hereafter erected on the land, or prohibiting a separation in ownership or a reduction in the dimensions or area of the land, or the effect of any violation of any such law ordinance or governmental regulation.
2. Rights of eminent domain or governmental rights of police power unless notice of the exercise of such rights appears in the public records at Date of Policy.
3. Defects, liens, encumbrances, adverse claims, or other matters (a) created, suffered, assumed or agreed to by the insured claimant, (b) not known to the Company and not shown by the public records but known to the insured claimant either at Date of Policy or at the date such claimant acquired an estate or interest insured by this policy or acquired the insured mortgage and not disclosed in writing by the insured claimant to the Company prior to the date such insured claimant became an insured hereunder, (c) resulting in no loss or damage to the insured claimant; (d) attaching or created subsequent to Date of Policy (except to the extent insurance is afforded herein as to any statutory lien for labor or material or to the extent insurance is afforded herein as to assessments for street improvements under construction or completed at Date of Policy).
4. Unenforceability of the lien of the insured mortgage because of failure of the insured at Date of Policy or of any subsequent owner of the indebtedness to comply with applicable "doing business" laws of the state in which the land is situated.

5. AMERICAN LAND TITLE ASSOCIATION LOAN POLICY - 1970
WITH REGIONAL EXCEPTIONS

When the American Land Title Association Lenders Policy is used as a Standard Coverage Policy and not as an Extended Coverage Policy, the exclusions set forth in paragraph 4 above are used and the following exceptions to coverage appear in the policy.

SCHEDULE B

This policy does not insure against loss or damage by reason of the matters shown in parts one and two following:
Part One

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.
2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of said land or by making inquiry of persons in possession thereof.
3. Easements, claims of easement or encumbrances which are not shown by the public records.
4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by public records.
5. Unpatented mining claims; reservations or exceptions in patents or in Acts authorizing the issuance thereof; water rights, claims or title to water.
6. Any lien, or right to a lien, for services, labor or material theretofore or hereafter furnished, imposed by law and not shown by the public records.

6. AMERICAN LAND TITLE ASSOCIATION LOAN POLICY - 1992
WITH A.L.T.A. ENDORSEMENT FORM 1 COVERAGE
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building and zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating to (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy;
   (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.

2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.
3. Defects, liens, encumbrances, adverse claims, or other matters:
(a) whether or not recorded in the public records at Date of Policy, but created, suffered, assumed or agreed to by the insured claimant;
(b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;
(c) resulting in no loss or damage to the insured claimant;
(d) attaching or created subsequent to Date of Policy (except to the extent that this policy insures the priority of the lien of the insured mortgage over any statutory lien for services, labor or material or the extent insurance is afforded herein as to assessments for street improvements under construction or completed at date of policy); or
(e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage.
4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with the applicable "doing business" laws of the state in which the land is situated.
5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.
6. Any statutory lien for services, labor or materials (or the claim of priority of any statutory lien for services, labor or materials over the lien of the insured mortgage) arising from an improvement or work related to the land which is contracted for and commenced subsequent to Date of Policy and is not financed in whole or in part by proceeds of the indebtedness secured by the insured mortgage which at Date of Policy the insured has advanced or is obligated to advance.
7. Any claim, which arises out of the transaction creating the interest of the mortgagee insured by this policy, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that is based on:
(i) the transaction creating the interest of the insured mortgagee being deemed a fraudulent conveyance or fraudulent transfer; or
(ii) the subordination of the interest of the insured mortgagee as a result of the application of the doctrine of equitable subordination; or
(iii) the transaction creating the interest of the insured mortgagee being deemed a preferential transfer except where the preferential transfer results from the failure:
(a) to timely record the instrument of transfer; or
(b) of such recordation to impart notice to a purchaser for value or a judgment or lien creditor.

7. AMERICAN LAND TITLE ASSOCIATION LOAN POLICY - 1992 WITH REGIONAL EXCEPTIONS

When the American Land Title Association policy is used as a Standard Coverage Policy and not as an Extended Coverage Policy the exclusions set forth in paragraph 6 above are used and the following exceptions to coverage appear in the policy.

SCHEDULE B

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.
2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of said land or by making inquiry of persons in possession thereof.
3. Easements, claims of easement or encumbrances which are not shown by the public records.
4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by public records.
5. Unpatented mining claims; reservations or exceptions in patents or in Acts authorizing the issuance thereof; water rights, claims or title to water.
6. Any lien, or right to a lien, for services, labor or material theretofore or hereafter furnished, imposed by law and not shown by the public records.

8. AMERICAN LAND TITLE ASSOCIATION OWNER'S POLICY - 1992 EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building and zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating to (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
(b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.
3. Defects, liens, encumbrances, adverse claims, or other matters:
(a) created, suffered, assumed or agreed to by the insured claimant;
(b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;
(c) resulting in no loss or damage to the insured claimant;
(d) attaching or created subsequent to Date of Policy; or

(e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the estate or interest insured by this policy.

4. Any claim, which arises out of the transaction vesting in the insured the estate or interest insured by this policy, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that is based on:
(i) the transaction creating the estate or interest insured by this policy being deemed a fraudulent conveyance or fraudulent transfer; or
(ii) the transaction creating the estate or interest insured by this policy being deemed a preferential transfer except where the preferential transfer results from the failure:
(a) to timely record the instrument of transfer; or
(b) of such recordation to impart notice to a purchaser for value or a judgment or lien creditor.

9. AMERICAN LAND TITLE ASSOCIATION OWNER'S POLICY - 1992
WITH REGIONAL EXCEPTIONS

When the American Land Title Association policy is used as a Standard Coverage Policy and not as an Extended Coverage Policy the exclusions set forth in paragraph 8 above are used and the following exceptions to coverage appear in the policy.

SCHEDULE B

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:
Part One:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.
2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of said land or by making inquiry of persons in possession thereof.
3. Easements, claims of easement or encumbrances which are not shown by the public records.
4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by public records.
5. Unpatented mining claims; reservations or exceptions in patents or in Acts authorizing the issuance thereof; water rights, claims or title to water.
6. Any lien, or right to a lien, for services, labor or material theretofore or hereafter furnished, imposed by law and not shown by the public records.

ALTA RESIDENTIAL TITLE INSURANCE POLICY (6-1-87)
EXCLUSIONS

In addition to the Exceptions in Schedule B, you are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of any law or government regulation. This includes building and zoning ordinances and also laws and regulations concerning:
   (a) and use
   (b) improvements on the land
   (c) and division
   (d) environmental protection

   This exclusion does not apply to violations or the enforcement of these matters which appear in the public records at Policy Date.
   This exclusion does not limit the zoning coverage described in Items 12 and 13 of Covered Title Risks.
2. The right to take the land by condemning it, unless:
   (a) a notice of exercising the right appears in the public records on the Policy Date
   (b) the taking happened prior to the Policy Date and is binding on you if you bought the land without knowing of the taking
3. Title Risks:
   (a) that are created, allowed, or agreed to by you
   (b) that are known to you, but not to us, on the Policy Date -- unless they appeared in the public records
   (c) that result in no loss to you
   (d) that first affect your title after the Policy Date -- this does not limit the labor and material lien coverage in Item 8 of Covered Title Risks
4. Failure to pay value for your title.
5. Lack of a right:
   (a) to any land outside the area specifically described and referred to in Item 3 of Schedule A OR
   (b) in streets, alleys, or waterways that touch your land
   This exclusion does not limit the access coverage in Item 5 of Covered Title Risks.

11. EAGLE PROTECTION OWNER'S POLICY

CLTA HOMEOWNER'S POLICY OF TITLE INSURANCE - 1998
ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE - 1998

Covered Risks 14 (Subdivision Law Violation). 15 (Building Permit). 16 (Zoning) and 18 (Encroachment of boundary walls or fences) are subject to Deductible Amounts and Maximum Dollar Limits of Liability

EXCLUSIONS

In addition to the Exceptions in Schedule B, you are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of any law or government regulation. This includes ordinances, laws and regulations concerning:
   a. building
   b. zoning
   c. land use
   d. improvements on the land
   e. land division
   f. environmental protection

   This exclusion does not apply to violations or the enforcement of these matters if notice of the violation or enforcement appears in the Public Records at the Policy Date.
   This exclusion does not limit the coverage described in Covered Risk 14, 15, 16, 17 or 24.
2. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not apply to violations of building codes if notice of the violation appears in the Public Records at the Policy Date.
3. The right to take the Land by condemning it, unless:
   a. a notice of exercising the right appears in the Public Records at the Policy Date; or
   b. the taking happened before the Policy Date and is binding on You if You bought the Land without Knowing of the taking.
4. Risks:
   a. that are created, allowed, or agreed to by You, whether or not they appear in the Public Records;
   b. that are Known to You at the Policy Date, but not to Us, unless they appear in the Public Records at the Policy Date;
   c. that result in no loss to You; or
   d. that first occur after the Policy Date - this does not limit the coverage described in Covered Risk 7, 8.d, 22, 23, 24 or 25.
5. Failure to pay value for Your Title.
6. Lack of a right:
   a. to any Land outside the area specifically described and referred to in paragraph 3 of Schedule A; and
   b. in streets, alleys, or waterways that touch the Land.
   This exclusion does not limit the coverage described in Covered Risk 11 or 18.

12. THIRD GENERATION EAGLE LOAN POLICY AMERICAN LAND TITLE ASSOCIATION EXPANDED COVERAGE RESIDENTIAL LOAN POLICY (1/01/08)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to (i) the occupancy, use, or enjoyment of the Land; (ii) the character, dimensions, or location of any improvement erected on the Land; (iii) the subdivision of land; or(iv) environmental protection; or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
   (b)Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
   (a) created, suffered, assumed or agreed to by the Insured Claimant;
   (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
   (c) resulting in no loss or damage to the Insured Claimant;
   (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27 or 28); or
   (e) resulting in loss or damage which would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury, or any consumer credit protection or truth-in-lending law. This Exclusion does not modify or limit the coverage provided in Covered Risk 26.
6. Any claim of invalidity, unenforceability or lack of priority of the lien of the Insured Mortgage as to Advances or modifications made after the Insured has Knowledge that the vestee shown in Schedule A is no longer the owner of the estate or interest covered by this policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching subsequent to Date of Policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11(b) or 25.
8. The failure of the residential structure, or any portion of it, to have been constructed before, on or after Date of Policy in accordance with applicable building codes. This Exclusion does not modify or limit the coverage provided in Covered Risk 5 or 6.

13. AMERICAN LAND TITLE ASSOCIATION LOAN POLICY - 2006
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or

expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to

   (i) the occupancy, use, or enjoyment of the Land;

   (ii) the character, dimensions, or location of any improvement erected on the Land;

   (iii) the subdivision of land; or

   (iv) environmental protection;

   or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.

   (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.

2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.

3. Defects, liens, encumbrances, adverse claims, or other matters

   (a) created, suffered, assumed, or agreed to by the Insured Claimant;

   (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;

   (c) resulting in no loss or damage to the Insured Claimant;

   (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13, or 14); or

   (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.

4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.

5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.

6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is

   (a) a fraudulent conveyance or fraudulent transfer, or

   (b) a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.

7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

14. AMERICAN LAND TITLE ASSOCIATION LOAN POLICY - 2006 WITH REGIONAL EXCEPTIONS

When the American Land Title Association policy is used as a Standard Coverage Policy and not as an Extended Coverage Policy the exclusions set forth in paragraph 13 above are used and the following exceptions to coverage appear in the policy.

SCHEDULE B

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.

15. AMERICAN LAND TITLE ASSOCIATION OWNER'S POLICY - 2006 EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to

   (i) the occupancy, use, or enjoyment of the Land;

   (ii) the character, dimensions, or location of any improvement erected on the Land;

   (iii) the subdivision of land; or

   (iv) environmental protection;or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.

(b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.

2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.

3. Defects, liens, encumbrances, adverse claims, or other matters

(a) created, suffered, assumed, or agreed to by the Insured Claimant;

(b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;

(c) resulting in no loss or damage to the Insured Claimant;

(d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risks 9 and 10); or

(e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.

4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors rights laws, that the transaction vesting the Title as shown in Schedule A, is

(a) a fraudulent conveyance or fraudulent transfer; or

(b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.

5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

16. AMERICAN LAND TITLE ASSOCIATION OWNER'S POLICY - 2006 WITH REGIONAL EXCEPTIONS

When the American Land Title Association policy is used as a Standard Coverage Policy and not as an Extended Coverage Policy the exclusions set forth in paragraph 15 above are used and the following exceptions to coverage appear in the policy.

SCHEDULE B

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.

Appendix D ENVIRONMENTAL AGENCY DATABASE SEARCH REPORT

Sanchez
Austin Road and Arch Road
Stockton, CA 95215

Inquiry Number: 5462983.2s
October 23, 2018

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	32
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-9
Physical Setting Source Map Findings	A-11
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.

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

AUSTIN ROAD AND ARCH ROAD
STOCKTON, CA 95215

COORDINATES

Latitude (North):	37.9089100 - 37° 54' 32.07''
Longitude (West):	121.1887360 - 121° 11' 19.44''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	659231.2
UTM Y (Meters):	4197049.5
Elevation:	43 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5640422 STOCKTON EAST, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140628
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
AUSTIN ROAD AND ARCH ROAD
STOCKTON, CA 95215

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	EAGLE INTERMODAL SER	6540 AUSTIN RD #3	CERS HAZ WASTE, CERS	Higher	88, 0.017, SE
A2	TSS	6540 S. AUSTIN ROAD	CERS HAZ WASTE, CERS	Higher	88, 0.017, SE
A3	ITS TECHNOLOGIES & L	6540 S AUSTIN	AST	Higher	88, 0.017, SE
A4	ITS TECHNOLOGIES & L	6540 S AUSTIN RD	CERS, CERS HAZ WASTE, CERS TANKS	Higher	88, 0.017, SE
A5	ITS TECHNOLOGIES & L	6540 S AUSTIN RD	AST	Higher	88, 0.017, SE
6	CHADERJIAN YOUTH COR	7650 SOUTH NEWCASTLE	ENVIROSTOR, VCP	Lower	4739, 0.898, SW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

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

Federal CERCLIS list

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

Federal CERCLIS NFRAP site list

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

Federal RCRA CORRACTS facilities list

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

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators
RCRA-CESQG ---------- RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List

US INST CONTROL ..... Sites with Institutional Controls

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ..... State Response Sites

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

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

State and tribal leaking storage tank lists

LUST ..... Geotracker's Leaking Underground Fuel Tank Report
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land
CPS-SLIC ..... Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST ..... Underground Storage Tank Listing
UST ..... Active UST Facilities
INDIAN UST ..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

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

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
US CDL ---- National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

SWEEPS UST ---- SWEEPS UST Listing
HIST UST ---- Hazardous Substance Storage Container Database
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
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
NPDES ---- NPDES Permits Listing
PEST LIC ---- Pesticide Regulation Licenses Listing
PROC ---- Certified Processors Database
Notify 65 ---- Proposition 65 Records
UIC ---- UIC Listing
WASTEWATER PITS ---- Oil Wastewater Pits Listing
WDS ---- Waste Discharge System
WIP ---- Well Investigation Program Case List
NON-CASE INFO ---- NON-CASE INFO (GEOTRACKER)
MILITARY PRIV SITES ---- MILITARY PRIV SITES (GEOTRACKER)
CERS ---- CERS
WDR ---- Waste Discharge Requirements Listing
PROD WATER PONDS ---- PROD WATER PONDS (GEOTRACKER)
CIWQS ---- California Integrated Water Quality System
SAMPLING POINT ---- SAMPLING POINT (GEOTRACKER)
OTHER OIL GAS ---- OTHER OIL & GAS (GEOTRACKER)
PROJECT ---- PROJECT (GEOTRACKER)
WELL STIM PROJ ---- Well Stimulation Project (GEOTRACKER)
UIC GEO ---- UIC GEO (GEOTRACKER)

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

EXECUTIVE SUMMARY

RGA LUST---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent CERCLIS

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

A review of the ENVIROSTOR list, as provided by EDR, and dated 07/30/2018 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHADERJIAN YOUTH COR	***7650 SOUTH NEWCASTLE***	***SW 1/2 - 1 (0.898 mi.)***	***6***	***29***
Facility Id: 60002021				
Status: Refer: RWQCB				

State and tribal registered storage tank lists

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 2 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ITS TECHNOLOGIES & L	6540 S AUSTIN	SE 0 - 1/8 (0.017 mi.)	A3	19
Database: AST, Date of Government Version: 07/06/2016				
ITS TECHNOLOGIES & L	6540 S AUSTIN RD	SE 0 - 1/8 (0.017 mi.)	A5	29
Database: AST, Date of Government Version: 07/06/2016				

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

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.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 07/23/2018 has revealed that there are 3 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EAGLE INTERMODAL SER	*6540 AUSTIN RD #3*	*SE 0 - 1/8 (0.017 mi.)*	*A1*	*8*
TSS	*6540 S. AUSTIN ROAD*	*SE 0 - 1/8 (0.017 mi.)*	*A2*	*14*
ITS TECHNOLOGIES & L	*6540 S AUSTIN RD*	*SE 0 - 1/8 (0.017 mi.)*	*A4*	*19*

Local Lists of Registered Storage Tanks

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.

A review of the CERS TANKS list, as provided by EDR, and dated 07/23/2018 has revealed that there is 1 CERS TANKS site within approximately 0.25 miles of the target property.

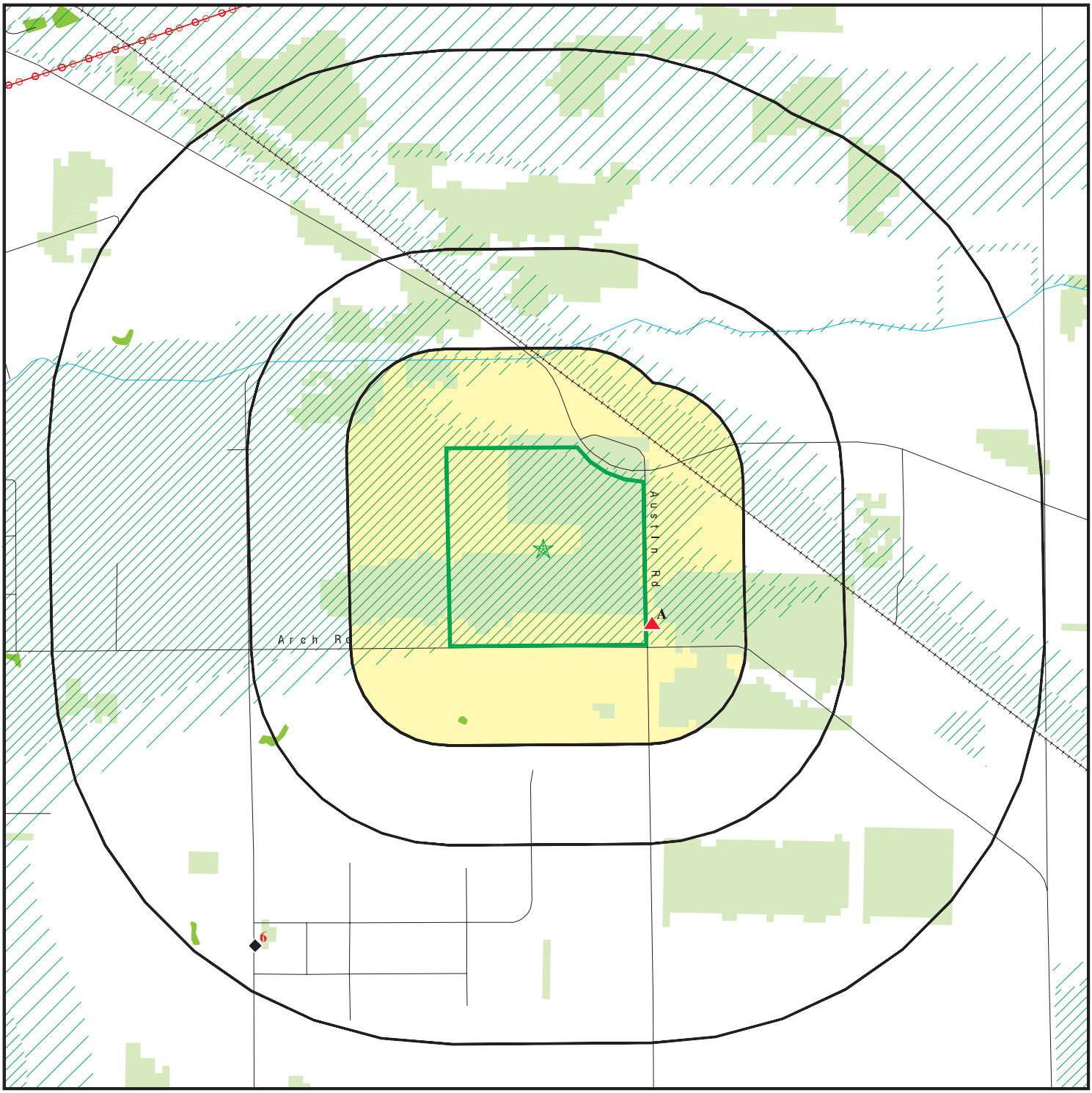
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ITS TECHNOLOGIES & L	*6540 S AUSTIN RD*	*SE 0 - 1/8 (0.017 mi.)*	*A4*	*19*

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name	Database(s)
	CDL

OVERVIEW MAP - 5462983.2S



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

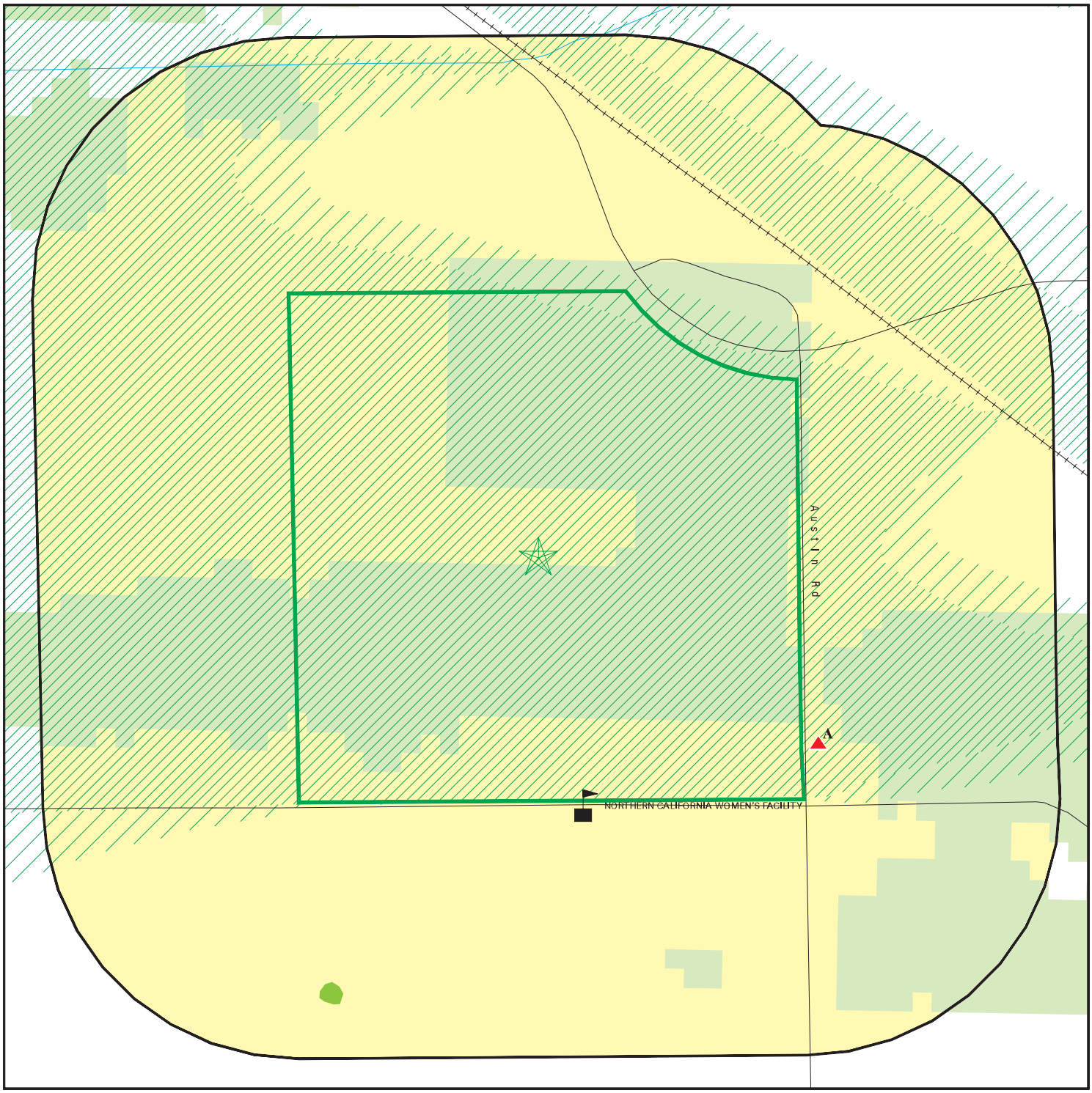
N

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:	Sanchez	CLIENT:	Stantec
ADDRESS:	Austin Road and Arch Road Stockton CA 95215	CONTACT:	Alicia Jansen
LAT/LONG:	37.90891 / 121.188736	INQUIRY #:	5462983.2s
		DATE:	October 23, 2018 6:21 pm

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DETAIL MAP - 5462983.2S



- 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 1/8 1/4 1/2 Miles

- Indian Reservations BIA
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Sanchez	CLIENT: Stantec
ADDRESS: Austin Road and Arch Road Stockton CA 95215	CONTACT: Alicia Jansen
LAT/LONG: 37.90891 / 121.188736	INQUIRY #: 5462983.2s DATE: October 23, 2018 6:23 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	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-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	1	NR	1
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	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		2	0	NR	NR	NR	2
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
US CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		3	0	NR	NR	NR	3
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
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		1	0	NR	NR	NR	1
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	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
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
DRYCLEANERS	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
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		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
UIC GEO	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 --		0	6	0	0	1	0	7

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **EAGLE INTERMODAL SERVICES INC** **CERS HAZ WASTE** **S121757912**
SE **6540 AUSTIN RD #3** **CERS** **N/A**
< 1/8 **STOCKTON, CA 95215**
0.017 mi.
88 ft. **Site 1 of 5 in cluster A**

Relative:
Higher

Actual:
44 ft.

CERS HAZ WASTE:
Site ID: 27061
CERS ID: 10184613
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 27061
Site Name: EAGLE INTERMODAL SERVICES INC
Violation Date: 01-26-2018
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 02/23/2018. No proof of annual training for inspection. The business plan shall include provisions for ensuring that appropriate personnel receive initial and annual refresher training. This training shall be documented electronically or by hard copy and shall be made available for a minimum of three years. Immediately provide employee training for appropriate personnel and submit a copy of the training records to the EHD.
Violation Division: San Joaquin County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 27061
Site Name: EAGLE INTERMODAL SERVICES INC
Violation Date: 01-26-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 02/23/2018. A site map is missing chemical location, evacuation staging, storm/sewer drains, adjacent streets, internal roads. A site map shall contain a north orientation, loading areas, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shutoffs, evacuation staging areas, hazardous material handling and storage areas, and emergency response equipment. If a site map element is not applicable for your facility then list it on the map and label as NA". Immediately log into the California Environmental Reporting System (CERS) at http://cers.calepa.ca.gov/, upload the correct or updated information, and submit to the EHD for approval.
Violation Division: San Joaquin County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2018
Violations Found: Yes
Eval Type: Routine done by local agency

EAGLE INTERMODAL SERVICES INC (Continued) **S121757912**

Eval Notes: Complete and submit a copy of the Return to Compliance Certification form to the EHD with a statement documenting the corrective actions that have been or will be taken for each violation, and any supporting paperwork, by 2/25/2018. Please be aware as of January 1, 2013, all businesses are required to submit all hazardous materials information online to the California Environmental Reporting System (CERS) at http://cers.calepa.ca.gov. Be sure to include your hazardous material activity in the Businesses Activities section in CERS in addition to any other relevant activities and required fields.
Eval Division: San Joaquin County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 27061
Site Name: EAGLE INTERMODAL SERVICES INC
Site Address: 6540 AUSTIN RD #3
Site City: STOCKTON
Site Zip: 95215
Enf Action Date: 01-26-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Joaquin County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Joaquin Cnty Env Health
Entity Title: Not reported
Affiliation Address: 1868 East Hazelton Avenue
Affiliation City: Stockton
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95205-6232
Affiliation Phone: (209) 468-3420

Affiliation Type Desc: Document Preparer
Entity Name: Marilet A. Waters
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Mike Kvalevog
Entity Title: Not reported
Affiliation Address: 2989 South Golden State Frontage Road
Affiliation City: Fresno
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93725

EAGLE INTERMODAL SERVICES INC (Continued) **S121757912**

Affiliation Phone:	(559) 351-2219
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	6540 AUSTIN RD
Affiliation City:	STOCKTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95215
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Mike Kvalevog
Entity Title:	Terminal Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	EAGLE INTERMODAL SERVICES INC
Entity Title:	Not reported
Affiliation Address:	6540 AUSTIN RD
Affiliation City:	STOCKTON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95215
Affiliation Phone:	(559) 351-2219
Affiliation Type Desc:	Operator
Entity Name:	Eagle Intermodal Services (Stockton)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(559) 351-2219
Affiliation Type Desc:	Parent Corporation
Entity Name:	Eagle Intermodal Services
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Burlington Northern Santa Fe
Entity Title:	Not reported
Affiliation Address:	6540 Austin Road
Affiliation City:	Stockton

EAGLE INTERMODAL SERVICES INC (Continued) **S121757912**

Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95215
Affiliation Phone: (209) 460-6000

CERS TANKS:
Site ID: 27061
CERS ID: 10184613
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 27061
Site Name: EAGLE INTERMODAL SERVICES INC
Violation Date: 01-26-2018
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 02/23/2018. No proof of annual training for inspection. The business plan shall include provisions for ensuring that appropriate personnel receive initial and annual refresher training. This training shall be documented electronically or by hard copy and shall be made available for a minimum of three years. Immediately provide employee training for appropriate personnel and submit a copy of the training records to the EHD.
Violation Division: San Joaquin County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 27061
Site Name: EAGLE INTERMODAL SERVICES INC
Violation Date: 01-26-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 02/23/2018. A site map is missing chemical location, evacuation staging, storm/sewer drains, adjacent streets, internal roads. A site map shall contain a north orientation, loading areas, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shutoffs, evacuation staging areas, hazardous material handling and storage areas, and emergency response equipment. If a site map element is not applicable for your facility then list it on the map and label as NA". Immediately log into the California Environmental Reporting System (CERS) at http://cers.calepa.ca.gov/, upload the correct or updated information, and submit to the EHD for approval.
Violation Division: San Joaquin County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2018

EAGLE INTERMODAL SERVICES INC (Continued) **S121757912**

Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Complete and submit a copy of the Return to Compliance Certification form to the EHD with a statement documenting the corrective actions that have been or will be taken for each violation, and any supporting paperwork, by 2/25/2018. Please be aware as of January 1, 2013, all businesses are required to submit all hazardous materials information online to the California Environmental Reporting System (CERS) at http://cers.calepa.ca.gov. Be sure to include your hazardous material activity in the Businesses Activities section in CERS in addition to any other relevant activities and required fields.
Eval Division: San Joaquin County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 27061
Site Name: EAGLE INTERMODAL SERVICES INC
Site Address: 6540 AUSTIN RD #3
Site City: STOCKTON
Site Zip: 95215
Enf Action Date: 01-26-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Joaquin County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Joaquin Cnty Env Health
Entity Title: Not reported
Affiliation Address: 1868 East Hazelton Avenue
Affiliation City: Stockton
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95205-6232
Affiliation Phone: (209) 468-3420

Affiliation Type Desc: Document Preparer
Entity Name: Marilet A. Waters
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Mike Kvalevog
Entity Title: Not reported
Affiliation Address: 2989 South Golden State Frontage Road
Affiliation City: Fresno
Affiliation State: CA

EAGLE INTERMODAL SERVICES INC (Continued) **S121757912**

Affiliation Country:	Not reported
Affiliation Zip:	93725
Affiliation Phone:	(559) 351-2219
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	6540 AUSTIN RD
Affiliation City:	STOCKTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95215
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Mike Kvalevog
Entity Title:	Terminal Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	EAGLE INTERMODAL SERVICES INC
Entity Title:	Not reported
Affiliation Address:	6540 AUSTIN RD
Affiliation City:	STOCKTON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95215
Affiliation Phone:	(559) 351-2219
Affiliation Type Desc:	Operator
Entity Name:	Eagle Intermodal Services (Stockton)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(559) 351-2219
Affiliation Type Desc:	Parent Corporation
Entity Name:	Eagle Intermodal Services
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Burlington Northern Santa Fe
Entity Title:	Not reported

EAGLE INTERMODAL SERVICES INC (Continued) **S121757912**

Affiliation Address:	6540 Austin Road
Affiliation City:	Stockton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95215
Affiliation Phone:	(209) 460-6000

A2 **TSS** **CERS HAZ WASTE** **S121791905**
SE **6540 S. AUSTIN ROAD** **CERS** **N/A**
< 1/8 **STOCKTON, CA 95215**
0.017 mi.
88 ft. **Site 2 of 5 in cluster A**

Relative:
Higher

Actual:
44 ft.

CERS HAZ WASTE:

Site ID:	77951
CERS ID:	10569058
CERS Description:	Hazardous Waste Generator

Violations:

Site ID:	77951
Site Name:	TSS
Violation Date:	07-10-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 08/09/2017. 1263 cubic feet of Argon CO2, 1400 cubic feet oxygen,550 cubic feet were found on site that have not been reported. Any material that meets or exceeds the reportable quantity shall be reported in the facility's business plan. Immediately log into the California Environmental Reporting System (CERS) at http://cers.calepa.ca.gov/, add the materials to the hazardous material inventory, and submit to the EHD for approval.
Violation Division:	San Joaquin County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-01-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	new business inspection. Pink & Green with accounting
Eval Division:	San Joaquin County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-10-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Joaquin County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

TSS (Continued) **S121791905**

Enforcement Action:

Site ID:	77951
Site Name:	TSS
Site Address:	6540 S. AUSTIN ROAD
Site City:	STOCKTON
Site Zip:	95215
Enf Action Date:	07-10-2017
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Joaquin County Environmental Health
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Joaquin Cnty Env Health
Entity Title:	Not reported
Affiliation Address:	1868 East Hazelton Avenue
Affiliation City:	Stockton
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95205-6232
Affiliation Phone:	(209) 468-3420

Affiliation Type Desc:	Document Preparer
Entity Name:	Angela Hawkins
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Angela Hawkins
Entity Title:	Not reported
Affiliation Address:	P O Box 1592
Affiliation City:	Linden
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95236
Affiliation Phone:	(209) 769-4100

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P O Box 1592
Affiliation City:	Linden
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95236
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer

TSS (Continued) **S121791905**

Entity Name: Angela Hawkins
Entity Title: Office Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Sammy Cox
Entity Title: Not reported
Affiliation Address: P O Box 1112
Affiliation City: Linden
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95236
Affiliation Phone: (916) 416-7781

Affiliation Type Desc: Operator
Entity Name: Angela Hawkins
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (209) 942-1360

Affiliation Type Desc: Parent Corporation
Entity Name: TSS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

CERS TANKS:
Site ID: 77951
CERS ID: 10569058
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 77951
Site Name: TSS
Violation Date: 07-10-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 08/09/2017. 1263 cubic feet of Argon CO2, 1400 cubic feet oxygen,550 cubic feet were found on site that have not been reported. Any material that meets or exceeds the reportable

TSS (Continued) **S121791905**

quantity shall be reported in the facility's business plan. Immediately log into the California Environmental Reporting System (CERS) at http://cers.calepa.ca.gov/, add the materials to the hazardous material inventory, and submit to the EHD for approval.

Violation Division: San Joaquin County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-01-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: new business inspection. Pink & Green with accounting
Eval Division: San Joaquin County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Joaquin County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 77951
Site Name: TSS
Site Address: 6540 S. AUSTIN ROAD
Site City: STOCKTON
Site Zip: 95215
Enf Action Date: 07-10-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Joaquin County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Joaquin Cnty Env Health
Entity Title: Not reported
Affiliation Address: 1868 East Hazelton Avenue
Affiliation City: Stockton
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95205-6232
Affiliation Phone: (209) 468-3420

Affiliation Type Desc: Document Preparer
Entity Name: Angela Hawkins
Entity Title: Not reported
Affiliation Address: Not reported

TSS (Continued) **S121791905**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Angela Hawkins
Entity Title:	Not reported
Affiliation Address:	P O Box 1592
Affiliation City:	Linden
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95236
Affiliation Phone:	(209) 769-4100
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P O Box 1592
Affiliation City:	Linden
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95236
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Angela Hawkins
Entity Title:	Office Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Sammy Cox
Entity Title:	Not reported
Affiliation Address:	P O Box 1112
Affiliation City:	Linden
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95236
Affiliation Phone:	(916) 416-7781
Affiliation Type Desc:	Operator
Entity Name:	Angela Hawkins
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(209) 942-1360
Affiliation Type Desc:	Parent Corporation

TSS (Continued) **S121791905**

Entity Name:	TSS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

A3 **ITS TECHNOLOGIES & LOGISTICS** **AST** **S106092097**
SE **6540 S AUSTIN** **N/A**
< 1/8 **STOCKTON, CA**
0.017 mi.
88 ft. **Site 3 of 5 in cluster A**

Relative: AST:
Higher

Certified Unified Program Agencies:	San Joaquin
Owner:	LANCO INTERNATIONAL
Total Gallons:	22,150
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

Actual:
44 ft.

A4 **ITS TECHNOLOGIES & LOGISTICS** **CERS** **S121771220**
SE **6540 S AUSTIN RD** **CERS HAZ WASTE** **N/A**
< 1/8 **STOCKTON, CA 95215** **CERS TANKS**
0.017 mi.
88 ft. **Site 4 of 5 in cluster A**

Relative: CERS TANKS:
Higher

Site ID:	38663
CERS ID:	10184423
CERS Description:	Chemical Storage Facilities

Actual:
44 ft.

ITS TECHNOLOGIES & LOGISTICS (Continued) **S121771220**

Violations:

Site ID:	38663
Site Name:	ITS TECHNOLOGIES & LOGISTICS
Violation Date:	07-10-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 08/09/2017. 750 gallons of Diesel Exhaust Fluid, 110 gallons of synthetic automatic transmission fluid, 110 gallons locomotive 20/40 oil, 55 gallons Delo 30 were found on site that have not been reported. Any material that meets or exceeds the reportable quantity shall be reported in the facility's business plan. Immediately log into the California Environmental Reporting System (CERS) at http://cers.calepa.ca.gov/, add the materials to the hazardous material inventory, and submit to the EHD for approval.
Violation Division:	San Joaquin County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	38663
Site Name:	ITS TECHNOLOGIES & LOGISTICS
Violation Date:	07-10-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 10/12/2017. The site maps are missing Evacuation staging area, Entrance & egress roads, storm/sewer drains . A site map shall contain a north orientation, loading areas, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shutoffs, evacuation staging areas, hazardous material handling and storage areas, and emergency response equipment. Immediately log into the California Environmental Reporting System (CERS) at http://cers.calepa.ca.gov/, upload the correct or updated information, and submit to the EHD for approval.
Violation Division:	San Joaquin County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-10-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Complete and submit a copy of the Return to Compliance Certification form to the EHD with a statement documenting the corrective actions that have been or will be taken for each violation, and any supporting paperwork, by 8/9/2017 Please be aware as of January 1, 2013, all businesses are required to submit all hazardous materials information online to the California Environmental Reporting System (CERS) at http://cers.calepa.ca.gov. Be sure to include your hazardous material activity in the Businesses Activities section in CERS in addition to any other relevant activities and required fields.
Eval Division:	San Joaquin County Environmental Health

ITS TECHNOLOGIES & LOGISTICS (Continued) **S121771220**

Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 38663
Site Name: ITS TECHNOLOGIES & LOGISTICS
Site Address: 6540 S AUSTIN RD
Site City: STOCKTON
Site Zip: 95215
Enf Action Date: 07-10-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Joaquin County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Joaquin Cnty Env Health
Entity Title: Not reported
Affiliation Address: 1868 East Hazelton Avenue
Affiliation City: Stockton
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95205-6232
Affiliation Phone: (209) 468-3420

Affiliation Type Desc: Document Preparer
Entity Name: Marilet A. Waters
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Mike Jones
Entity Title: Not reported
Affiliation Address: 6540 AUSTIN ROAD
Affiliation City: Stockton
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95215-9662
Affiliation Phone: (209) 460-6021

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 6540 AUSTIN RD
Affiliation City: STOCKTON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95215-9662

ITS TECHNOLOGIES & LOGISTICS (Continued) **S121771220**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Mike Jones
Entity Title:	Terminal Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	ITS ConGlobal
Entity Title:	Not reported
Affiliation Address:	8205 S. Cass Ave, Suite 115
Affiliation City:	Darien
Affiliation State:	IL
Affiliation Country:	United States
Affiliation Zip:	60561
Affiliation Phone:	(209) 460-6021
Affiliation Type Desc:	Operator
Entity Name:	ITS ConGlobal
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(209) 460-6021
Affiliation Type Desc:	Parent Corporation
Entity Name:	ITS TECHNOLOGIES & LOGISTICS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Burlington Northern Santa Fe
Entity Title:	Not reported
Affiliation Address:	6540 Austin Road
Affiliation City:	Stockton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	952159662
Affiliation Phone:	(209) 460-6002

CERS HAZ WASTE:

Site ID:	38663
CERS ID:	10184423
CERS Description:	Hazardous Waste Generator

ITS TECHNOLOGIES & LOGISTICS (Continued) **S121771220**

Violations:

Site ID:	38663
Site Name:	ITS TECHNOLOGIES & LOGISTICS
Violation Date:	07-10-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 08/09/2017. 750 gallons of Diesel Exhaust Fluid, 110 gallons of synthetic automatic transmission fluid, 110 gallons locomotive 20/40 oil, 55 gallons Delo 30 were found on site that have not been reported. Any material that meets or exceeds the reportable quantity shall be reported in the facility's business plan. Immediately log into the California Environmental Reporting System (CERS) at http://cers.calepa.ca.gov/, add the materials to the hazardous material inventory, and submit to the EHD for approval.
Violation Division:	San Joaquin County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	38663
Site Name:	ITS TECHNOLOGIES & LOGISTICS
Violation Date:	07-10-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 10/12/2017. The site maps are missing Evacuation staging area, Entrance & egress roads, storm/sewer drains . A site map shall contain a north orientation, loading areas, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shutoffs, evacuation staging areas, hazardous material handling and storage areas, and emergency response equipment. Immediately log into the California Environmental Reporting System (CERS) at http://cers.calepa.ca.gov/, upload the correct or updated information, and submit to the EHD for approval.
Violation Division:	San Joaquin County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-10-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Complete and submit a copy of the Return to Compliance Certification form to the EHD with a statement documenting the corrective actions that have been or will be taken for each violation, and any supporting paperwork, by 8/9/2017 Please be aware as of January 1, 2013, all businesses are required to submit all hazardous materials information online to the California Environmental Reporting System (CERS) at http://cers.calepa.ca.gov. Be sure to include your hazardous material activity in the Businesses Activities section in CERS in addition to any other relevant activities and required fields.
Eval Division:	San Joaquin County Environmental Health

ITS TECHNOLOGIES & LOGISTICS (Continued) **S121771220**

Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 38663
Site Name: ITS TECHNOLOGIES & LOGISTICS
Site Address: 6540 S AUSTIN RD
Site City: STOCKTON
Site Zip: 95215
Enf Action Date: 07-10-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Joaquin County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Joaquin Cnty Env Health
Entity Title: Not reported
Affiliation Address: 1868 East Hazelton Avenue
Affiliation City: Stockton
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95205-6232
Affiliation Phone: (209) 468-3420

Affiliation Type Desc: Document Preparer
Entity Name: Marilet A. Waters
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Mike Jones
Entity Title: Not reported
Affiliation Address: 6540 AUSTIN ROAD
Affiliation City: Stockton
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95215-9662
Affiliation Phone: (209) 460-6021

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 6540 AUSTIN RD
Affiliation City: STOCKTON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95215-9662

ITS TECHNOLOGIES & LOGISTICS (Continued) **S121771220**

Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Mike Jones
Entity Title: Terminal Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: ITS ConGlobal
Entity Title: Not reported
Affiliation Address: 8205 S. Cass Ave, Suite 115
Affiliation City: Darien
Affiliation State: IL
Affiliation Country: United States
Affiliation Zip: 60561
Affiliation Phone: (209) 460-6021

Affiliation Type Desc: Operator
Entity Name: ITS ConGlobal
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (209) 460-6021

Affiliation Type Desc: Parent Corporation
Entity Name: ITS TECHNOLOGIES & LOGISTICS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: Burlington Northern Santa Fe
Entity Title: Not reported
Affiliation Address: 6540 Austin Road
Affiliation City: Stockton
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 952159662
Affiliation Phone: (209) 460-6002

CERS TANKS:
Site ID: 38663
CERS ID: 10184423
CERS Description: Aboveground Petroleum Storage

ITS TECHNOLOGIES & LOGISTICS (Continued) **S121771220**

Violations:

Site ID:	38663
Site Name:	ITS TECHNOLOGIES & LOGISTICS
Violation Date:	07-10-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 08/09/2017. 750 gallons of Diesel Exhaust Fluid, 110 gallons of synthetic automatic transmission fluid, 110 gallons locomotive 20/40 oil, 55 gallons Delo 30 were found on site that have not been reported. Any material that meets or exceeds the reportable quantity shall be reported in the facility's business plan. Immediately log into the California Environmental Reporting System (CERS) at http://cers.calepa.ca.gov/, add the materials to the hazardous material inventory, and submit to the EHD for approval.
Violation Division:	San Joaquin County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	38663
Site Name:	ITS TECHNOLOGIES & LOGISTICS
Violation Date:	07-10-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 10/12/2017. The site maps are missing Evacuation staging area, Entrance & egress roads, storm/sewer drains . A site map shall contain a north orientation, loading areas, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shutoffs, evacuation staging areas, hazardous material handling and storage areas, and emergency response equipment. Immediately log into the California Environmental Reporting System (CERS) at http://cers.calepa.ca.gov/, upload the correct or updated information, and submit to the EHD for approval.
Violation Division:	San Joaquin County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-10-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Complete and submit a copy of the Return to Compliance Certification form to the EHD with a statement documenting the corrective actions that have been or will be taken for each violation, and any supporting paperwork, by 8/9/2017 Please be aware as of January 1, 2013, all businesses are required to submit all hazardous materials information online to the California Environmental Reporting System (CERS) at http://cers.calepa.ca.gov. Be sure to include your hazardous material activity in the Businesses Activities section in CERS in addition to any other relevant activities and required fields.
Eval Division:	San Joaquin County Environmental Health

ITS TECHNOLOGIES & LOGISTICS (Continued) **S121771220**

Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 38663
Site Name: ITS TECHNOLOGIES & LOGISTICS
Site Address: 6540 S AUSTIN RD
Site City: STOCKTON
Site Zip: 95215
Enf Action Date: 07-10-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Joaquin County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Joaquin Cnty Env Health
Entity Title: Not reported
Affiliation Address: 1868 East Hazelton Avenue
Affiliation City: Stockton
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95205-6232
Affiliation Phone: (209) 468-3420

Affiliation Type Desc: Document Preparer
Entity Name: Marilet A. Waters
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Mike Jones
Entity Title: Not reported
Affiliation Address: 6540 AUSTIN ROAD
Affiliation City: Stockton
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95215-9662
Affiliation Phone: (209) 460-6021

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 6540 AUSTIN RD
Affiliation City: STOCKTON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95215-9662

ITS TECHNOLOGIES & LOGISTICS (Continued) **S121771220**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Mike Jones
Entity Title:	Terminal Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	ITS ConGlobal
Entity Title:	Not reported
Affiliation Address:	8205 S. Cass Ave, Suite 115
Affiliation City:	Darien
Affiliation State:	IL
Affiliation Country:	United States
Affiliation Zip:	60561
Affiliation Phone:	(209) 460-6021
Affiliation Type Desc:	Operator
Entity Name:	ITS ConGlobal
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(209) 460-6021
Affiliation Type Desc:	Parent Corporation
Entity Name:	ITS TECHNOLOGIES & LOGISTICS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Burlington Northern Santa Fe
Entity Title:	Not reported
Affiliation Address:	6540 Austin Road
Affiliation City:	Stockton
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	952159662
Affiliation Phone:	(209) 460-6002

A5
SE
< 1/8
0.017 mi.
88 ft.

ITS TECHNOLOGIES & LOGISTICS — **AST** — **A100421039**
6540 S AUSTIN RD — **N/A**
STOCKTON, CA 95215

Site 5 of 5 in cluster A

Relative: Higher

Actual: 44 ft.

AST:

Certified Unified Program Agencies:	Not reported
Owner:	ITS TECHNOLOGIES LLC
Total Gallons:	Not reported
CERSID:	10184423
Facility ID:	Not reported
Business Name:	ITS Technologies & Logistics
Phone:	(209) 460-6021
Fax:	Not reported
Mailing Address:	6540 AUSTIN RD
Mailing Address City:	STOCKTON
Mailing Address State:	CA
Mailing Address Zip Code:	Not reported
Operator Name:	ITS TECHNOLOGIES & LOGISTICS
Operator Phone:	(209) 460-6021
Owner Phone:	209-460-6021
Owner Mail Address:	6540 AUSTIN RD
Owner State:	CA
Owner Zip Code:	Not reported
Owner Country:	United States
Property Owner Name:	Dan Vangosen
Property Owner Phone:	209-460-6021
Property Owner Mailing Address:	6540 Austin Road
Property Owner City:	Stockton
Property Owner Stat :	CA
Property Owner Zip Code:	952159662
Property Owner Country:	United States
EPAID:	Not reported

6
SW
1/2-1
0.898 mi.
4739 ft.

CHADERJIAN YOUTH CORRECTIONAL FACILITY — **ENVIROSTOR** — **S117038670**
7650 SOUTH NEWCASTLE ROAD — **VCP** — **N/A**
STOCKTON, CA 95215

Relative: Lower

Actual: 38 ft.

ENVIROSTOR:

Facility ID:	60002021
Status:	Refer: RWQCB
Status Date:	02/04/2015
Site Code:	Not reported
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	1
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Tami Trearse
Supervisor:	Fernando A. Amador
Division Branch:	Cleanup Sacramento
Assembly:	13
Senate:	05
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED

CHADERJIAN YOUTH CORRECTIONAL FACILITY (Continued) **S117038670**

Funding: Responsible Party
Latitude: 37.89724
Longitude: -121.1972
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 60002021
Alias Type: Envirostor ID Number
Alias Name: 900273
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/23/2014
Comments: Information Request letter. Associated with groundwater plume

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/26/2015
Comments: Letter to Site stating that the WB is the agency overseeing the plume under the facility. DTSC will keep the site on Envirostor, but will not have an active part in the remediation of the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/24/2015
Comments: NFA at the site at this time. RWQCB Central Valley is the lead on the GW plume under the site. It is the WBs determination that the plume came from Forward landfill and is being investigated as such.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Facility ID: 60002021
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Tami Trearse

CHADERJIAN YOUTH CORRECTIONAL FACILITY (Continued) **S117038670**

Supervisor:	Fernando A. Amador
Division Branch:	Cleanup Sacramento
Site Code:	Not reported
Assembly:	13
Senate:	05
Special Programs Code:	Voluntary Cleanup Program
Status:	Refer: RWQCB
Status Date:	02/04/2015
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	37.89724 / -121.1972
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	60002021
Alias Type:	Envirostor ID Number
Alias Name:	900273
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	06/23/2014
Comments:	Information Request letter. Associated with groundwater plume
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	02/26/2015
Comments:	Letter to Site stating that the WB is the agency overseeing the plume under the facility. DTSC will keep the site on Envirostor, but will not have an active part in the remediation of the site.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	02/24/2015
Comments:	NFA at the site at this time. RWQCB Central Valley is the lead on the GW plume under the site. It is the WBs determination that the plume came from Forward landfill and is being investigated as such.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Count: 1 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
STOCKTON	S117576643		SOUTH 99 FRONTAGE RD, 2 MILES	95215	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: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 10/04/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 10/04/2018
Next Scheduled EDR Contact: 01/14/2019
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: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 10/04/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly 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: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/04/2018
Next Scheduled EDR Contact: 01/28/2019
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: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/04/2018
Next Scheduled EDR Contact: 01/28/2019
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/19/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2018
Next Scheduled EDR Contact: 01/07/2019
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 05/14/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 07/31/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
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: 07/31/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
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: 06/18/2018
Date Data Arrived at EDR: 06/27/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 79

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
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: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database 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: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an 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: 08/08/2018
Date Data Arrived at EDR: 08/10/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 14

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/10/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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 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: 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: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/08/2018
Number of Days to Update: 26

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
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 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

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

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

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

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

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

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

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

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

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

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

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

LUST REG 8: Leaking Underground Storage Tanks

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

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

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

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: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

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

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

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

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

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

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

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

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

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

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

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

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

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

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

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

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

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

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

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

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/10/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Varies

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

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 21
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
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: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
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: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Quarterly

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: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

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

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

VCP: Voluntary Cleanup Program Properties

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

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
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: 09/24/2018
Next Scheduled EDR Contact: 01/07/2019
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: 09/24/2018
Date Data Arrived at EDR: 09/25/2018
Date Made Active in Reports: 10/15/2018
Number of Days to Update: 20

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
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: 06/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/18/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

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

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

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: No Update Planned

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

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/15/2018
Number of Days to Update: 33

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

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

Date of Government Version: 05/29/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 48

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

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

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

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

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

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

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

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

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

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: No Update Planned

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

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

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 86

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
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: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

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

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

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

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

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

US CDL: Clandestine Drug Labs

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

Date of Government Version: 05/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 86

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Quarterly

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: 07/23/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

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

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

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

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/28/2018
Date Data Arrived at EDR: 05/25/2018
Date Made Active in Reports: 07/10/2018
Number of Days to Update: 46

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 10/09/2018
Next Scheduled EDR Contact: 12/10/2018
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: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/11/2018
Number of Days to Update: 29

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
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: 07/23/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/05/2018
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: 08/29/2018
Date Data Arrived at EDR: 08/30/2018
Date Made Active in Reports: 10/01/2018
Number of Days to Update: 32

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 10/04/2018
Next Scheduled EDR Contact: 01/14/2019
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: 09/04/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 10/02/2018
Number of Days to Update: 27

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
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: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
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: 04/06/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 51

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/08/2018
Number of Days to Update: 26

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
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: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
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: 10/12/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/12/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

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

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/27/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

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

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 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: 08/10/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016
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: 09/21/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 57

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 10/04/2018
Next Scheduled EDR Contact: 12/17/2018
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: 08/01/2018
Date Data Arrived at EDR: 08/22/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

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

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 10/04/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/11/2018
Next Scheduled EDR Contact: 01/21/2019
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: 10/09/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

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

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

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

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

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

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/28/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

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

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/07/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/04/2018
Next Scheduled EDR Contact: 12/17/2018
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: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

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

Date of Government Version: 07/02/2018
Date Data Arrived at EDR: 07/05/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 92
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/03/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Quarterly

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

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

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/17/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 80

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/01/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System

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

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

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
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: 10/09/2018
Next Scheduled EDR Contact: 01/21/2019
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: 09/11/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/20/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 10/04/2018
Next Scheduled EDR Contact: 01/14/2019
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: 08/01/2018
Date Data Arrived at EDR: 08/29/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 37

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
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: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
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: 09/10/2018
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 Interior
Telephone: 202-208-2609
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
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: 08/07/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 30

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/18/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 06/19/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 87

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/15/2018
Next Scheduled EDR Contact: 01/28/2019
Data Release Frequency: Varies

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: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/02/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
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: 08/22/2018
Date Data Arrived at EDR: 08/22/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 44

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/22/2018
Next Scheduled EDR Contact: 12/03/2018
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: 09/24/2018
Date Data Arrived at EDR: 09/25/2018
Date Made Active in Reports: 10/16/2018
Number of Days to Update: 21

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 7

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
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: 04/03/2018
Date Data Arrived at EDR: 05/07/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 39

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 11/26/2018
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: 08/24/2018
Date Data Arrived at EDR: 08/30/2018
Date Made Active in Reports: 10/01/2018
Number of Days to Update: 32

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 10/05/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

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

Date of Government Version: 06/25/2018
Date Data Arrived at EDR: 06/28/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 39

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 10/15/2018
Next Scheduled EDR Contact: 12/17/2018
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: 05/31/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Annually

EMI: Emissions Inventory Data

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

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/21/2018
Next Scheduled EDR Contact: 12/31/2018
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: 08/01/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 36

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
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: 08/14/2018
Date Data Arrived at EDR: 08/16/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 25

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/12/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 97

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/10/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Annually

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

Date of Government Version: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 20
Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
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: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 20
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
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: 07/09/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 44
Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/10/2018
Next Scheduled EDR Contact: 01/21/2019
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: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
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: 08/28/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 28
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 08/09/2018
Date Data Arrived at EDR: 08/10/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 31
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/10/2018
Next Scheduled EDR Contact: 11/26/2018
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: 09/04/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 28
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/15/2018
Number of Days to Update: 33
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
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: 09/19/2018
Date Data Arrived at EDR: 09/20/2018
Date Made Active in Reports: 10/19/2018
Number of Days to Update: 29
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 04/27/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/13/2018
Next Scheduled EDR Contact: 12/24/2018
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: 10/12/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Varies

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: 09/04/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 10/02/2018
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
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: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

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: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)
Other Oil & Gas Projects sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
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: 07/23/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)
Non-Case Information sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
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: 08/03/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 30

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/05/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/06/2018
Date Data Arrived at EDR: 07/10/2018
Date Made Active in Reports: 09/11/2018
Number of Days to Update: 63

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/05/2018
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: 07/01/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 27

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
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: 10/05/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 08/02/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 14

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/24/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 05/23/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 50

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 11/19/2018
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: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/11/2018
Number of Days to Update: 21

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 04/27/2018
Date Data Arrived at EDR: 05/02/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 44

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 09/04/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 09/18/2018
Number of Days to Update: 13

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
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: 07/11/2018
Date Data Arrived at EDR: 07/17/2018
Date Made Active in Reports: 08/30/2018
Number of Days to Update: 44

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 10/15/2018
Next Scheduled EDR Contact: 01/14/2019
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: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/11/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/22/2018
Number of Days to Update: 40

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/20/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 43

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
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: 10/15/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/20/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 49

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 11/19/2018
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: 08/23/2018
Date Data Arrived at EDR: 08/24/2018
Date Made Active in Reports: 09/18/2018
Number of Days to Update: 25

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 08/08/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 08/22/2018
Number of Days to Update: 13

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/15/2018
Next Scheduled EDR Contact: 01/28/2019
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/27/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 30

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: Varies

LOS ANGELES COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AOCONCERN: San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/02/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 59

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 10/05/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/16/2018
Date Data Arrived at EDR: 07/18/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 37

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/16/2018
Next Scheduled EDR Contact: 01/28/2019
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: 01/01/2018
Date Data Arrived at EDR: 05/01/2018
Date Made Active in Reports: 05/14/2018
Number of Days to Update: 13

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/15/2018
Next Scheduled EDR Contact: 01/28/2019
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: 04/01/2018
Date Data Arrived at EDR: 04/17/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 63

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/16/2018
Next Scheduled EDR Contact: 01/28/2019
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: 10/15/2018
Next Scheduled EDR Contact: 01/28/2019
Data Release Frequency: Semi-Annually

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: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: Annually

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/18/2018
Number of Days to Update: 13

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/05/2018
Next Scheduled EDR Contact: 01/21/2019
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: 08/30/2018
Date Data Arrived at EDR: 09/04/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 15

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 07/11/2018
Date Data Arrived at EDR: 07/17/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 57

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 10/01/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/29/2018
Date Data Arrived at EDR: 08/31/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 19

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 07/18/2018
Date Data Arrived at EDR: 09/04/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 15

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 34

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 10/01/2018
Next Scheduled EDR Contact: 01/14/2019
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: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
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: 08/27/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 36

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/31/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 34

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 07/13/2018
Date Data Arrived at EDR: 08/08/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 33

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/13/2018
Date Data Arrived at EDR: 08/08/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 33

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/13/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 37

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/06/2018
Next Scheduled EDR Contact: 11/19/2018
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: 09/04/2018
Date Data Arrived at EDR: 09/06/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 27

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 07/19/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
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: 10/10/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 10/16/2018
Number of Days to Update: 4

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 07/09/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 61

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
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: 05/07/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 08/13/2018
Number of Days to Update: 41

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/02/2018
Next Scheduled EDR Contact: 01/14/2019
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: 05/14/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 08/13/2018
Number of Days to Update: 41

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/02/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 08/07/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 27

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
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: 07/27/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 41

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/19/2018
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: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 41

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 09/06/2018
Next Scheduled EDR Contact: 12/17/2018
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: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
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: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 31
Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
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: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
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: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 09/17/2018
Date Data Arrived at EDR: 09/18/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 15
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
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: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 17

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
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: 06/12/2018
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 52

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
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: 09/18/2018
Date Data Arrived at EDR: 09/20/2018
Date Made Active in Reports: 10/17/2018
Number of Days to Update: 27

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
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: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 08/17/2018
Date Data Arrived at EDR: 08/22/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 16

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
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: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Annually

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/01/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/11/2018
Number of Days to Update: 36
Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
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: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
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: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
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: 08/29/2018
Date Data Arrived at EDR: 09/04/2018
Date Made Active in Reports: 10/17/2018
Number of Days to Update: 43
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 08/29/2018
Date Data Arrived at EDR: 09/04/2018
Date Made Active in Reports: 10/18/2018
Number of Days to Update: 44
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 09/24/2018
Date Data Arrived at EDR: 09/25/2018
Date Made Active in Reports: 10/16/2018
Number of Days to Update: 21

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 09/24/2018
Next Scheduled EDR Contact: 01/07/2019
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: 07/03/2018
Date Data Arrived at EDR: 07/10/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 45

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/24/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 08/14/2018
Date Data Arrived at EDR: 08/16/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 8

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 10/15/2018
Next Scheduled EDR Contact: 01/28/2019
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/08/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 33

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 36

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 09/13/2018
Date Data Arrived at EDR: 09/14/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 5

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 09/13/2018
Next Scheduled EDR Contact: 11/19/2018
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: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
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: 07/02/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 41

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
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: 10/01/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Annually

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: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Quarterly

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: 07/02/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 29
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
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: 09/04/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/04/2018
Number of Days to Update: 22
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
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: 06/20/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 07/12/2018
Number of Days to Update: 9
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 10/15/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/10/2018
Date Data Arrived at EDR: 05/15/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 31
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/10/2018
Date Data Arrived at EDR: 08/10/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 31
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/01/2018
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/09/2018
Next Scheduled EDR Contact: 01/21/2019
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: 07/01/2018
Date Data Arrived at EDR: 08/01/2018
Date Made Active in Reports: 08/31/2018
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/15/2018
Next Scheduled EDR Contact: 01/28/2019
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: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/06/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SANCHEZ
AUSTIN ROAD AND ARCH ROAD
STOCKTON, CA 95215

TARGET PROPERTY COORDINATES

Latitude (North):	37.90891 - 37° 54' 32.08''
Longitude (West):	121.188736 - 121° 11' 19.45''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	659231.2
UTM Y (Meters):	4197049.5
Elevation:	43 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5640422 STOCKTON EAST, 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).

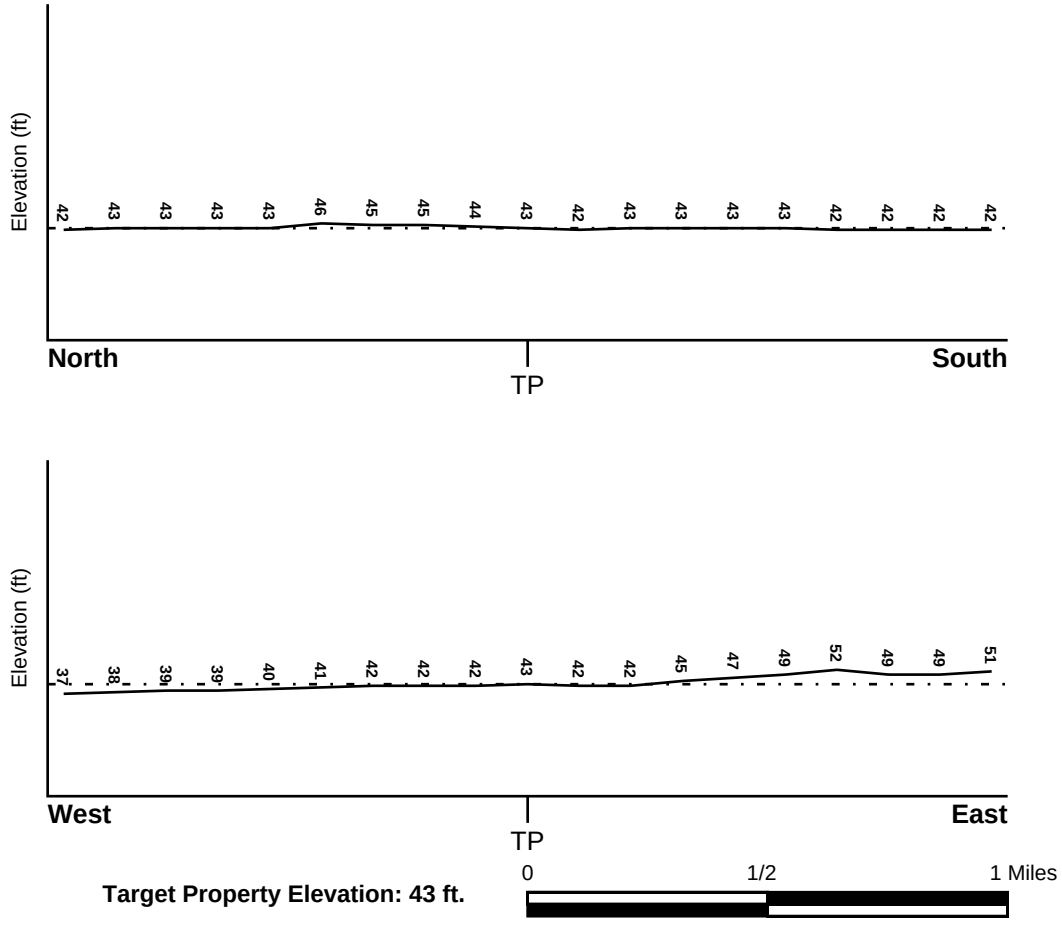
TOPOGRAPHIC INFORMATION

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 SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 43 ft.

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
06077C0490F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06077C0495F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
STOCKTON EAST	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

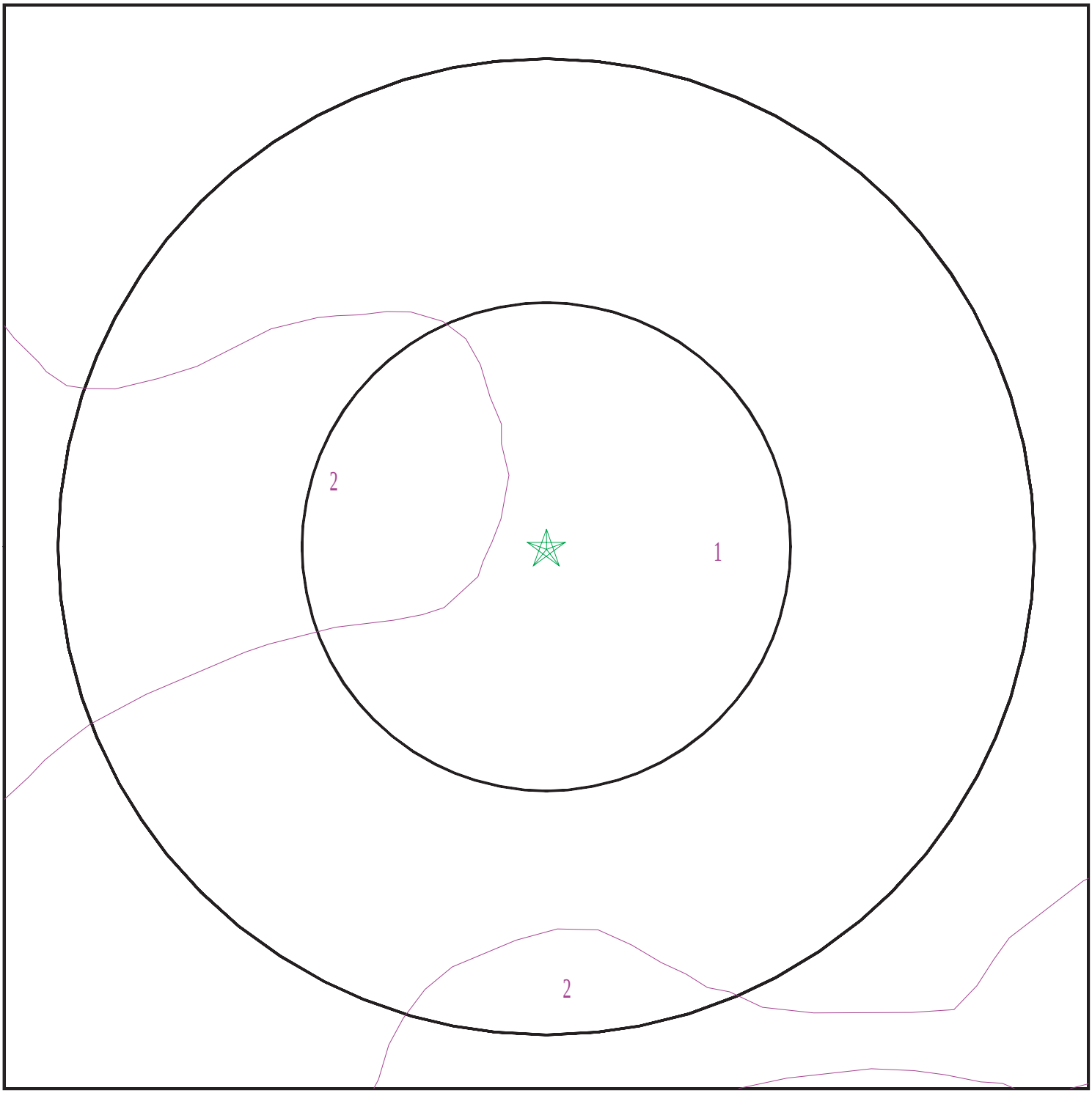
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 5462983.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Sanchez	CLIENT:	Stantec
ADDRESS:	Austin Road and Arch Road Stockton CA 95215	CONTACT:	Alicia Jansen
LAT/LONG:	37.90891 / 121.188736	INQUIRY #:	5462983.2s
		DATE:	October 23, 2018 6:24 pm

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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: JACKTONE

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 152 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	22 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:
2	22 inches	33 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:
3	33 inches	37 inches	indurated	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:
4	37 inches	46 inches	stratified sandy loam to clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
5	46 inches	59 inches	cemented	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:

Soil Map ID: 2

Soil Component Name: STOCKTON

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 152 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	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0 Min: 0	Max: Min:
2	29 inches	37 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0 Min: 0	Max: Min:

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		
3	37 inches	42 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0 Min: 0	Max: Min:
4	42 inches	59 inches	cemented	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0 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
A2	USGS40000186091	1/4 - 1/2 Mile East
6	USGS40000186078	1/2 - 1 Mile ESE
B9	USGS40000186067	1/2 - 1 Mile SW

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

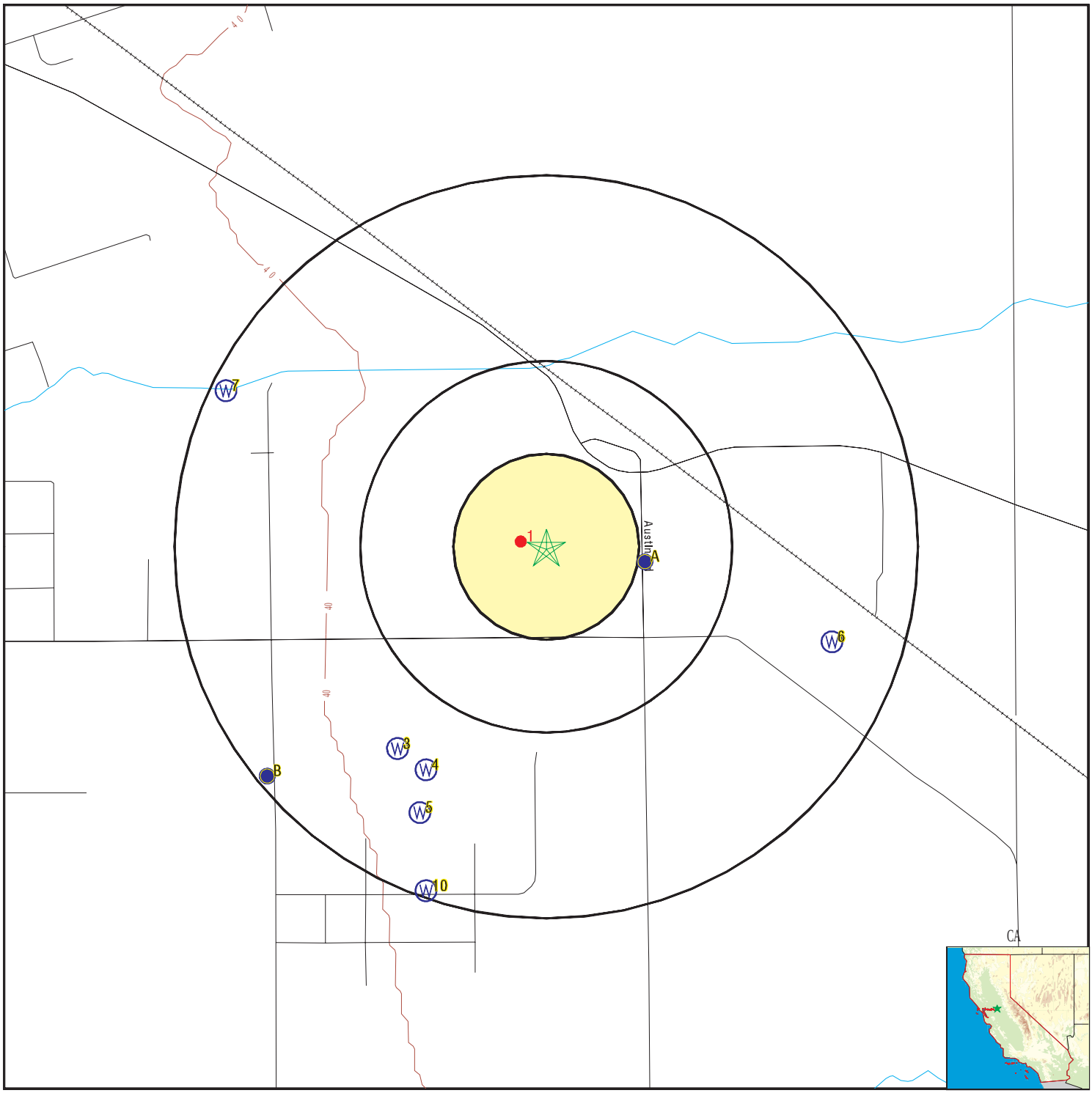
MAP ID	WELL ID	LOCATION FROM TP
A1	CADW60000015124	1/4 - 1/2 Mile East
3	287	1/2 - 1 Mile SW
4	285	1/2 - 1 Mile SSW
5	286	1/2 - 1 Mile SSW
7	CADW60000017746	1/2 - 1 Mile WNW
B8	CADW60000017761	1/2 - 1 Mile SW
10	299	1/2 - 1 Mile SSW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG11000235909	0 - 1/8 Mile WNW

PHYSICAL SETTING SOURCE MAP - 5462983.2s



- 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:	Sanchez	CLIENT:	Stantec
ADDRESS:	Austin Road and Arch Road Stockton CA 95215	CONTACT:	Alicia Jansen
		INQUIRY #:	5462983.2s
LAT/LONG:	37.90891 / 121.188736	DATE:	October 23, 2018 6:24 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
East
1/4 - 1/2 Mile
Higher

CA WELLS **CADW60000015124**

Objectid:	15124	Latitude:	37.9084
Longitude:	-121.1842	Site code:	379084N1211842W001
State well numbe:	01N07E27H002M	Local well name:	''
Well use id:	3	Well use descrip:	Irrigation
County id:	39	County name:	San Joaquin
Basin code:	'5-22.01'	Basin desc:	Eastern San Joaquin
Dwr region id:	80236	Dwr region:	North Central Region Office
Site id:	CADW60000015124		

A2
East
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000186091**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001N007E27H002M	Type:	Well
Description:	Not Reported	HUC:	18040005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	178
Well Hole Depth Units:	ft		

3
SW
1/2 - 1 Mile
Lower

CA WELLS **287**

Seq:	287	Prim sta c:	01N/07E-27P03 M
Frds no:	3910802004	County:	39
District:	10	User id:	PTA
System no:	3910802	Water type:	G
Source nam:	WELL 04	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	375404.0	Longitude:	1211142.0
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3910802	System nam:	Northern California Youth Center
Hqname:	Not Reported	Address:	PO BOX 213004
City:	STOCKTON	State:	CA
Zip:	95213	Zip ext:	Not Reported
Pop serv:	3800	Connection:	932
Area serve:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

4
SSW
1/2 - 1 Mile
Lower

CA WELLS **285**

Seq:	285	Prim sta c:	01N/07E-27P01 M
Frds no:	3910802001	County:	39
District:	10	User id:	PTA
System no:	3910802	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	375401.0	Longitude:	1211137.0
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3910802	System nam:	Northern California Youth Center
Hqname:	Not Reported	Address:	PO BOX 213004
City:	STOCKTON	State:	CA
Zip:	95213	Zip ext:	Not Reported
Pop serv:	3800	Connection:	932
Area serve:	Not Reported		

5
SSW
1/2 - 1 Mile
Lower

CA WELLS **286**

Seq:	286	Prim sta c:	01N/07E-27P02 M
Frds no:	3910802002	County:	39
District:	10	User id:	PTA
System no:	3910802	Water type:	G
Source nam:	WELL 02	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	375355.0	Longitude:	1211138.0
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3910802	System nam:	Northern California Youth Center
Hqname:	Not Reported	Address:	PO BOX 213004
City:	STOCKTON	State:	CA
Zip:	95213	Zip ext:	Not Reported
Pop serv:	3800	Connection:	932
Area serve:	Not Reported		

6
ESE
1/2 - 1 Mile
Higher

FED USGS **USGS40000186078**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001N007E26L001M	Type:	Well
Description:	Not Reported	HUC:	18040005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported

Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19690416	Well Depth:	328
Well Depth Units:	ft	Well Hole Depth:	412
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1969-04-16
Feet below surface:	80.00	Feet to sea level:	Not Reported
Note:	Not Reported		

7
WNW **CA WELLS** **CADW60000017746**
1/2 - 1 Mile
Lower

Objectid:	17746	Latitude:	37.915
Longitude:	-121.2045	Site code:	379150N1212045W001
State well numbe:	01N07E21R001M	Local well name:	'01N07E21R001'
Well use id:	3	Well use descrip:	Irrigation
County id:	39	County name:	San Joaquin
Basin code:	'5-22.01'	Basin desc:	Eastern San Joaquin
Dwr region id:	80236	Dwr region:	North Central Region Office
Site id:	CADW60000017746		

B8
SW **CA WELLS** **CADW60000017761**
1/2 - 1 Mile
Lower

Objectid:	17761	Latitude:	37.9
Longitude:	-121.2025	Site code:	379000N1212025W001
State well numbe:	01N07E28R001M	Local well name:	''
Well use id:	3	Well use descrip:	Irrigation
County id:	39	County name:	San Joaquin
Basin code:	'5-22.01'	Basin desc:	Eastern San Joaquin
Dwr region id:	80236	Dwr region:	North Central Region Office
Site id:	CADW60000017761		

B9
SW **FED USGS** **USGS40000186067**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001N007E28R001M	Type:	Well
Description:	Not Reported	HUC:	18040005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19520227	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	295
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database: **CA WELLS** EDR ID Number: **299**

10
SSW
1/2 - 1 Mile
Lower

Seq:	299	Prim sta c:	01N/07E-34C02 M
Frds no:	3910802003	County:	39
District:	10	User id:	PTA
System no:	3910802	Water type:	G
Source nam:	WELL 03 - STANDBY	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	375344.0	Longitude:	1211137.0
Precision:	3	Status:	SU
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3910802	System nam:	Northern California Youth Center
Hqname:	Not Reported	Address:	PO BOX 213004
City:	STOCKTON	State:	CA
Zip:	95213	Zip ext:	Not Reported
Pop serv:	3800	Connection:	932
Area serve:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
WNW
0 - 1/8 Mile

OIL_GAS **CAOG11000235909**

Districtnu:	6	Apinumber:	07700448
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	Y	Wellstatus:	P
Operatorna:	Porter Sesnon et al	Countyname:	San Joaquin
Fieldname:	Any Field	Areaname:	Any Area
Section:	27	Township:	01N
Range:	07E	Basemeridi:	MD
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Status Code 006
Leasename:	Sesnon-Rheem	Wellnumber:	63-27
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	12-AUG-60
Welldeptha:	9000	Redrillfoo:	0
Abandonedd:	21-SEP-60	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000235909		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
95215	2	1

Federal EPA Radon Zone for SAN JOAQUIN County: 3

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 SAN JOAQUIN COUNTY, CA

Number of sites tested: 20

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.530 pCi/L	90%	10%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.050 pCi/L	100%	0%	0%

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.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Appendix E HISTORICAL RECORDS

Sanchez

Austin Road and Arch Road

Stockton, CA 95215

Inquiry Number: 5462983.3

October 23, 2018

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

10/23/18

Site Name:

Sanchez
Austin Road and Arch Road
Stockton, CA 95215
EDR Inquiry # 5462983.3

Client Name:

Stantec
735 E. Carnegie Drive, Suite 280
SAN BERNARDINO, CA 92408
Contact: Alicia Jansen

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Stantec 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 # 0F63-4638-8E68

PO # 185804299

Project NA

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 #: 0F63-4638-8E68

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Sanchez

Austin Road and Arch Road

Stockton, CA 95215

Inquiry Number: 5462983.4

October 23, 2018

EDR Historical Topo Map Report

with QuadMatch™

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

EDR Historical Topo Map Report

10/23/18

Site Name:

Sanchez
Austin Road and Arch Road
Stockton, CA 95215
EDR Inquiry # 5462983.4

Client Name:

Stantec
735 E. Carnegie Drive, Suite 280
SAN BERNARDINO, CA 92408
Contact: Alicia Jansen

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Stantec were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# 185804299
Project: NA

Coordinates:

Latitude:	37.90891 37° 54' 32" North
Longitude:	-121.188736 -121° 11' 19" West
UTM Zone:	Zone 10 North
UTM X Meters:	659227.20
UTM Y Meters:	4197255.10
Elevation:	42.85' above sea level

Maps Provided:

2012
1987
1976
1968
1952
1914

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



Stockton East
2012
7.5-minute, 24000

1987 Source Sheets



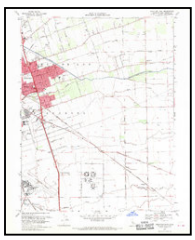
Stockton East
1987
7.5-minute, 24000
Aerial Photo Revised 1982

1976 Source Sheets



Stockton East
1976
7.5-minute, 24000
Aerial Photo Revised 1976

1968 Source Sheets



Stockton East
1968
7.5-minute, 24000
Aerial Photo Revised 1967

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1952 Source Sheets



Stockton East
1952
7.5-minute, 24000
Aerial Photo Revised 1949

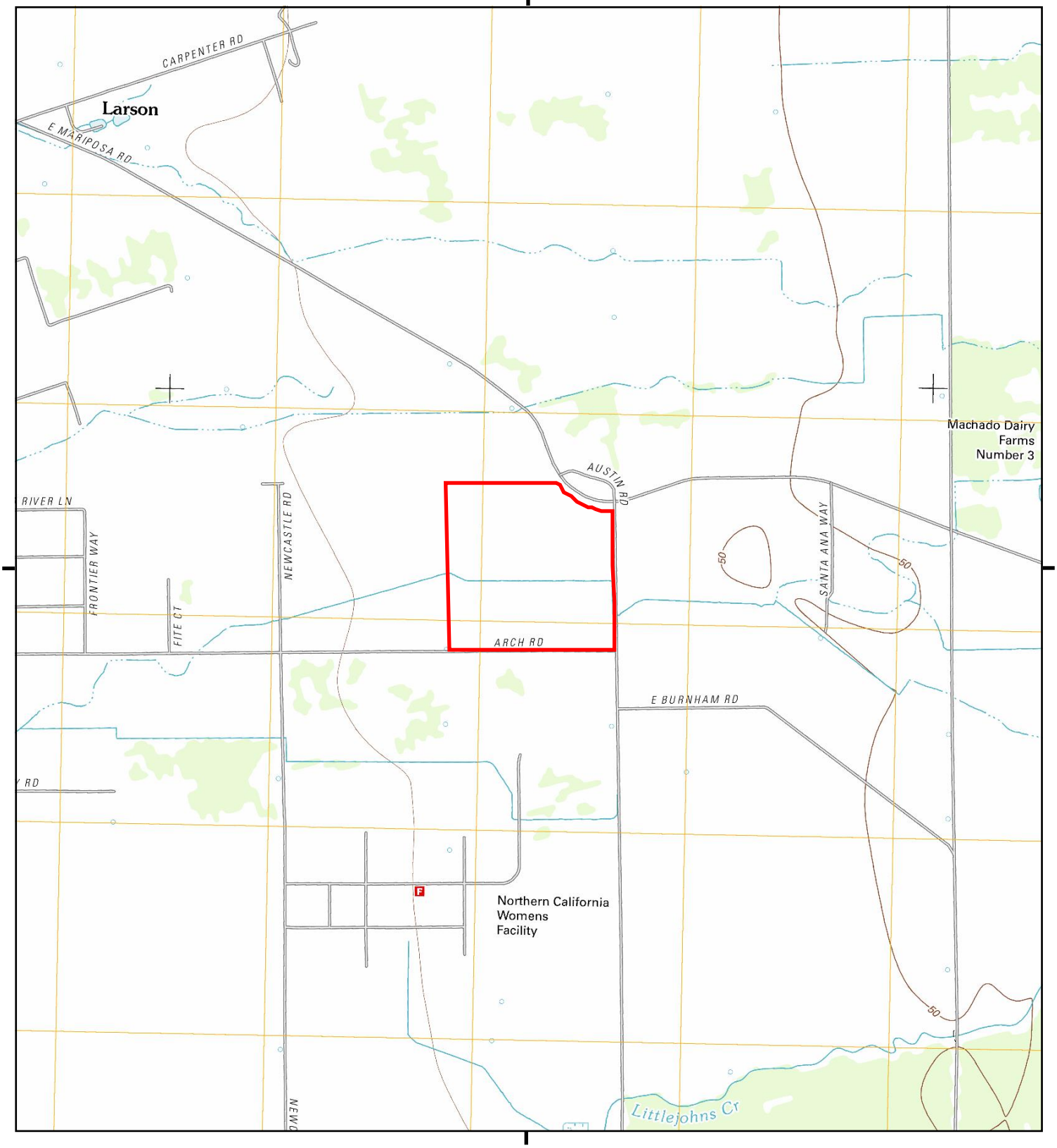
1914 Source Sheets



Burnham
1914
7.5-minute, 31680

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

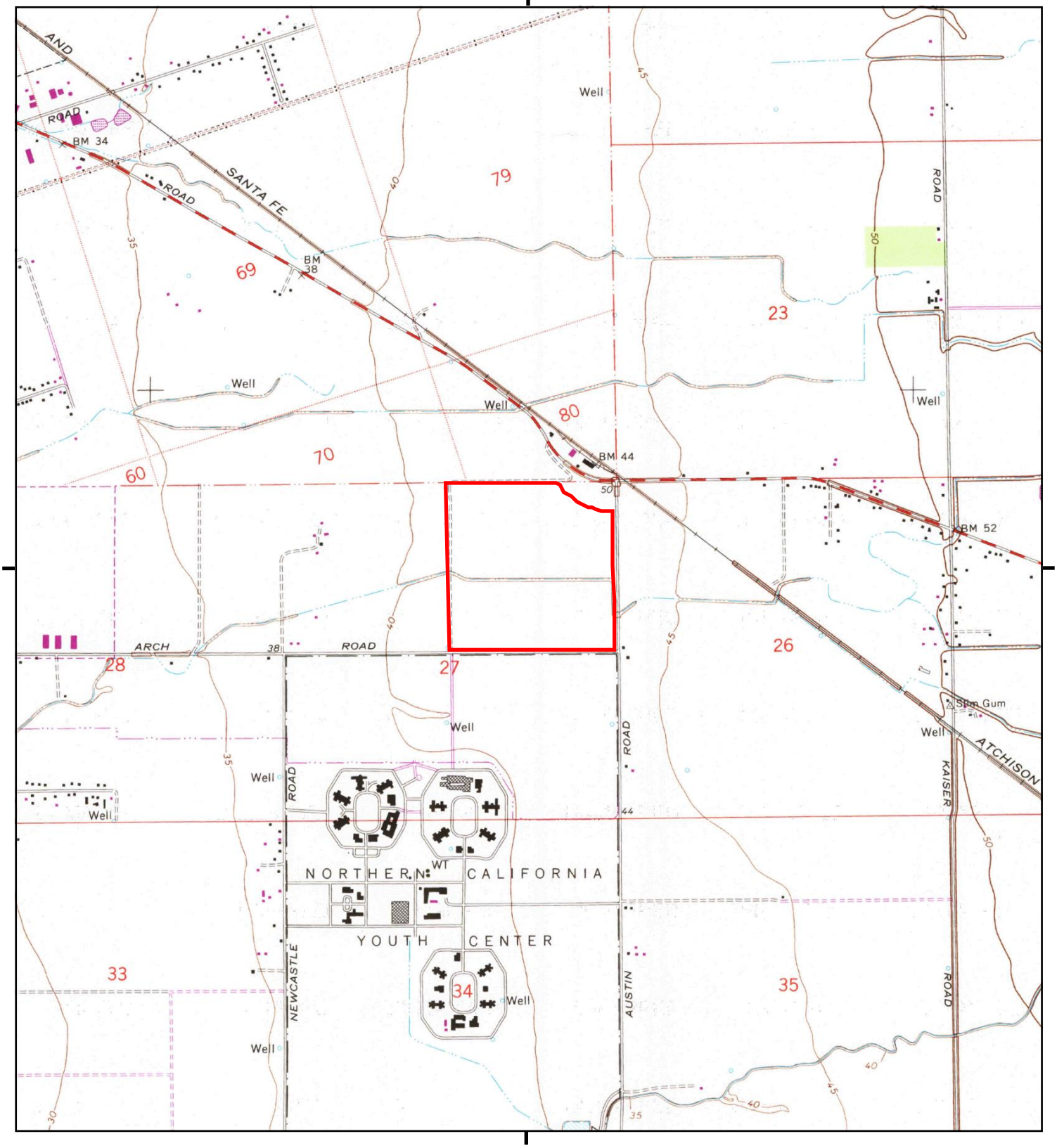
TP, Stockton East, 2012, 7.5-minute

SITE NAME: Sanchez
ADDRESS: Austin Road and Arch Road
Stockton, CA 95215
CLIENT: Stantec

N

Historical Topo Map

1987



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

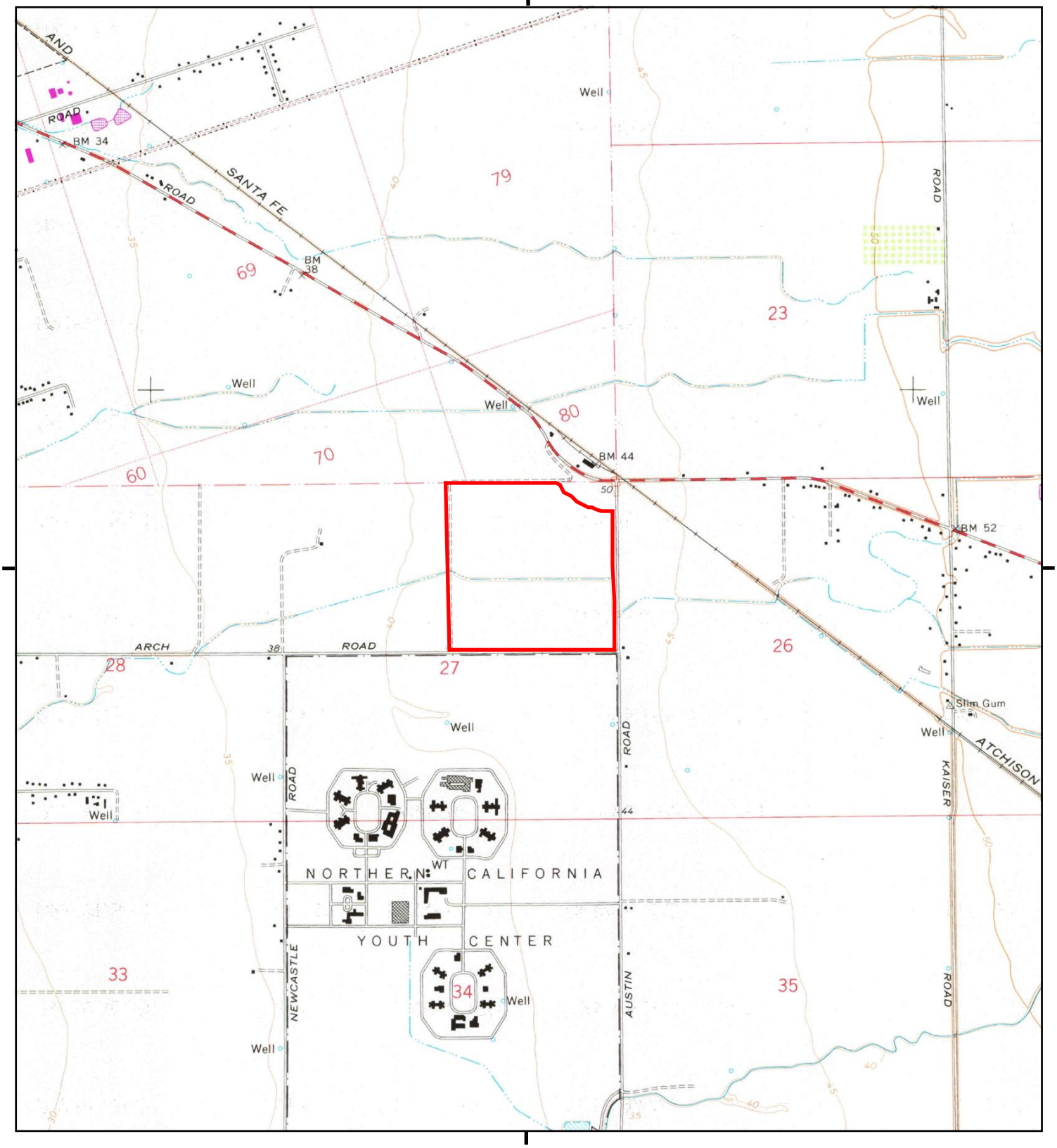
TP, Stockton East, 1987, 7.5-minute

SITE NAME: Sanchez
ADDRESS: Austin Road and Arch Road
Stockton, CA 95215
CLIENT: Stantec

N

Historical Topo Map

1976



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

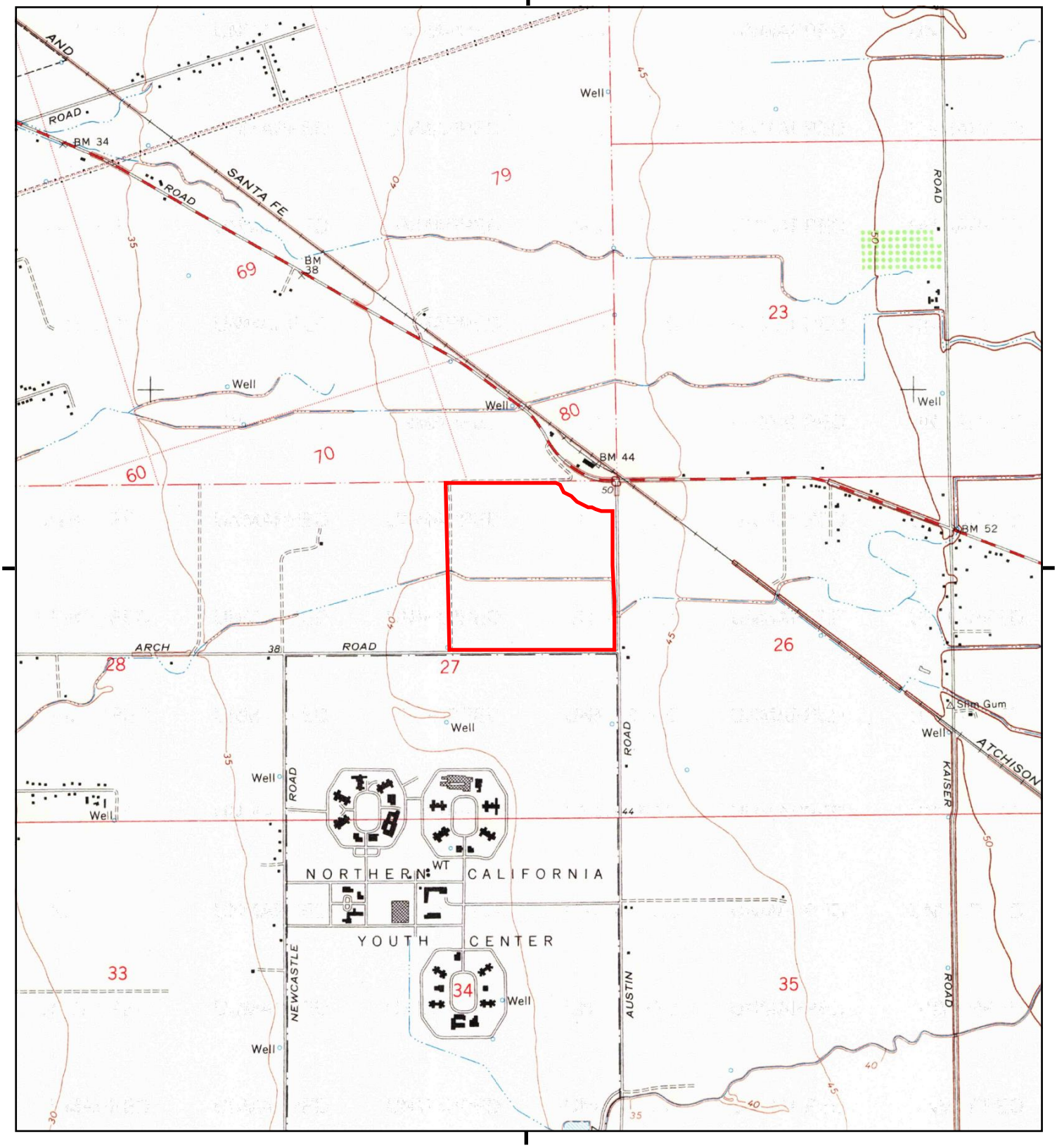
TP, Stockton East, 1976, 7.5-minute

SITE NAME: Sanchez
ADDRESS: Austin Road and Arch Road
Stockton, CA 95215
CLIENT: Stantec

N

Historical Topo Map

1968



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

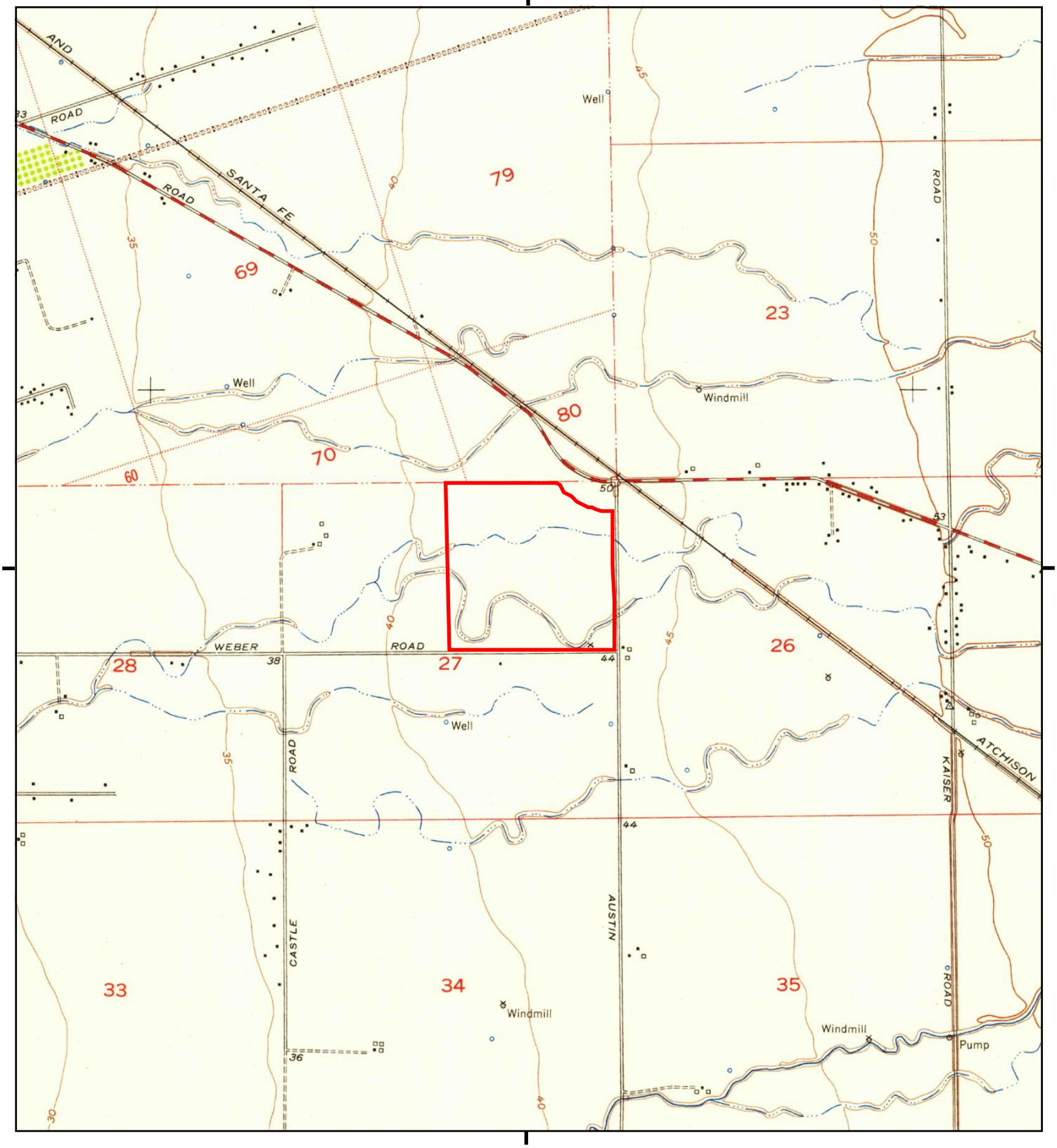
TP, Stockton East, 1968, 7.5-minute

SITE NAME: Sanchez
ADDRESS: Austin Road and Arch Road
Stockton, CA 95215
CLIENT: Stantec

N

Historical Topo Map

1952



This report includes information from the following map sheet(s).

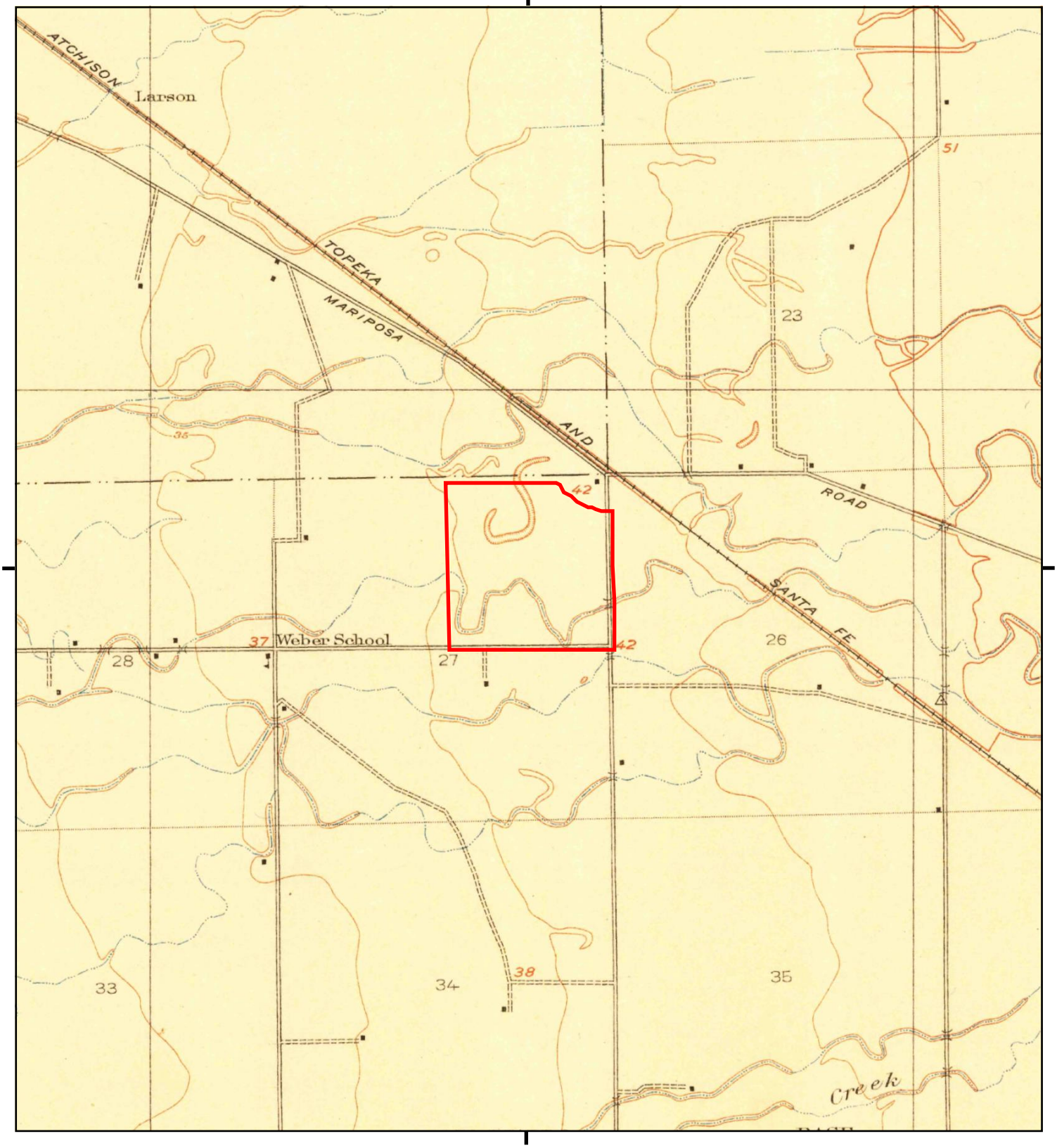
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Stockton East, 1952, 7.5-minute

SITE NAME: Sanchez
ADDRESS: Austin Road and Arch Road
Stockton, CA 95215
CLIENT: Stantec

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Burnham, 1914, 7.5-minute

SITE NAME: Sanchez
ADDRESS: Austin Road and Arch Road
Stockton, CA 95215
CLIENT: Stantec

N

Sanchez

Austin Road and Arch Road

Stockton, CA 95215

Inquiry Number: 5462983.8

October 25, 2018

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

10/25/18

Site Name:

Sanchez
Austin Road and Arch Road
Stockton, CA 95215
EDR Inquiry # 5462983.8

Client Name:

Stantec
735 E. Carnegie Drive, Suite 280
SAN BERNARDINO, CA 92408
Contact: Alicia Jansen

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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
1993	1"=500'	Acquisition Date: May 22, 1993	USGS/DOQQ
1982	1"=500'	Flight Date: June 26, 1982	USDA
1975	1"=500'	Flight Date: November 08, 1975	Cartwright
1968	1"=500'	Flight Date: May 01, 1968	USGS
1963	1"=500'	Flight Date: June 03, 1963	USDA
1957	1"=500'	Flight Date: July 11, 1957	USDA
1937	1"=500'	Flight Date: August 14, 1937	USDA

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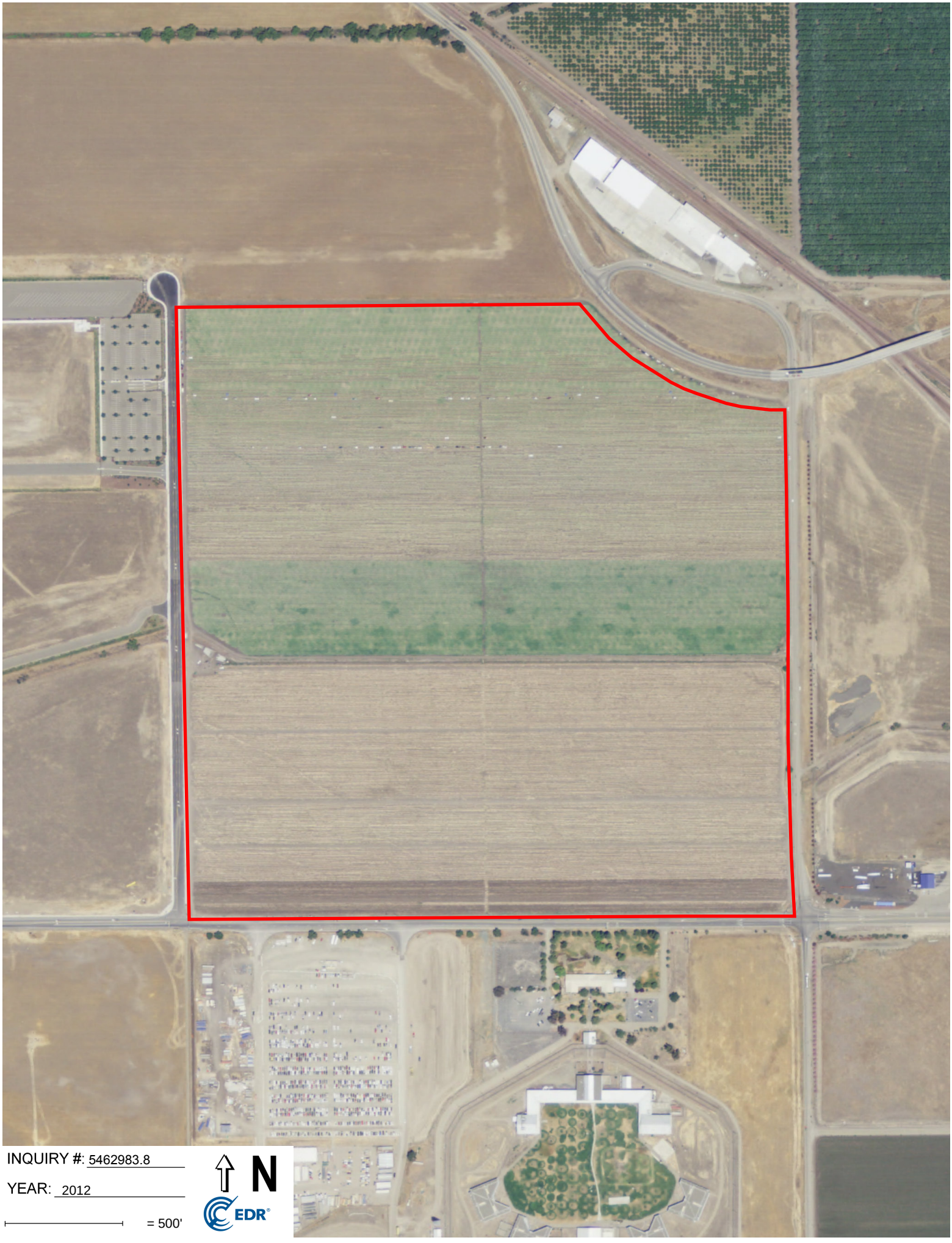
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INQUIRY #: 5462983.8
YEAR: 2016
= 500'
N
EDR



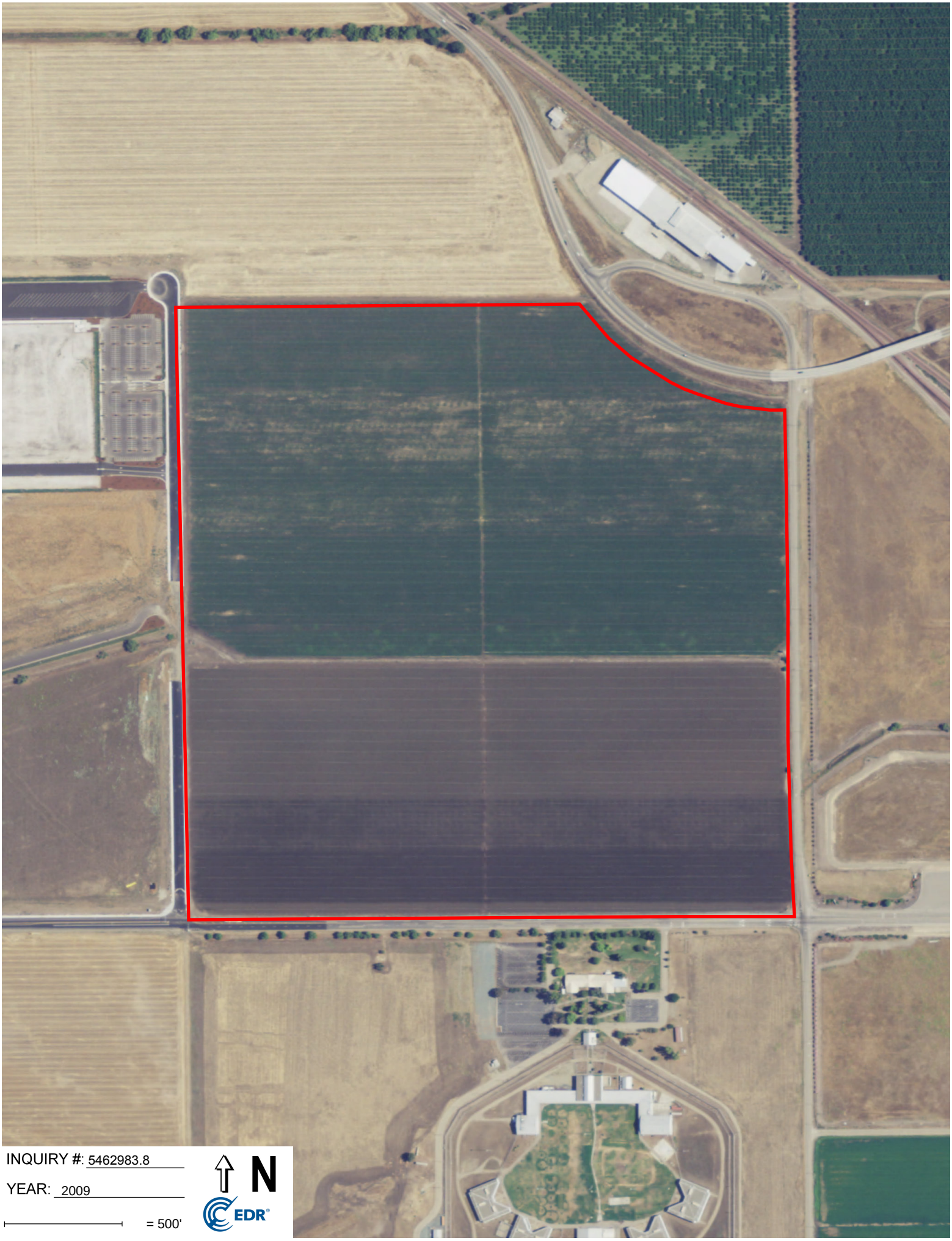
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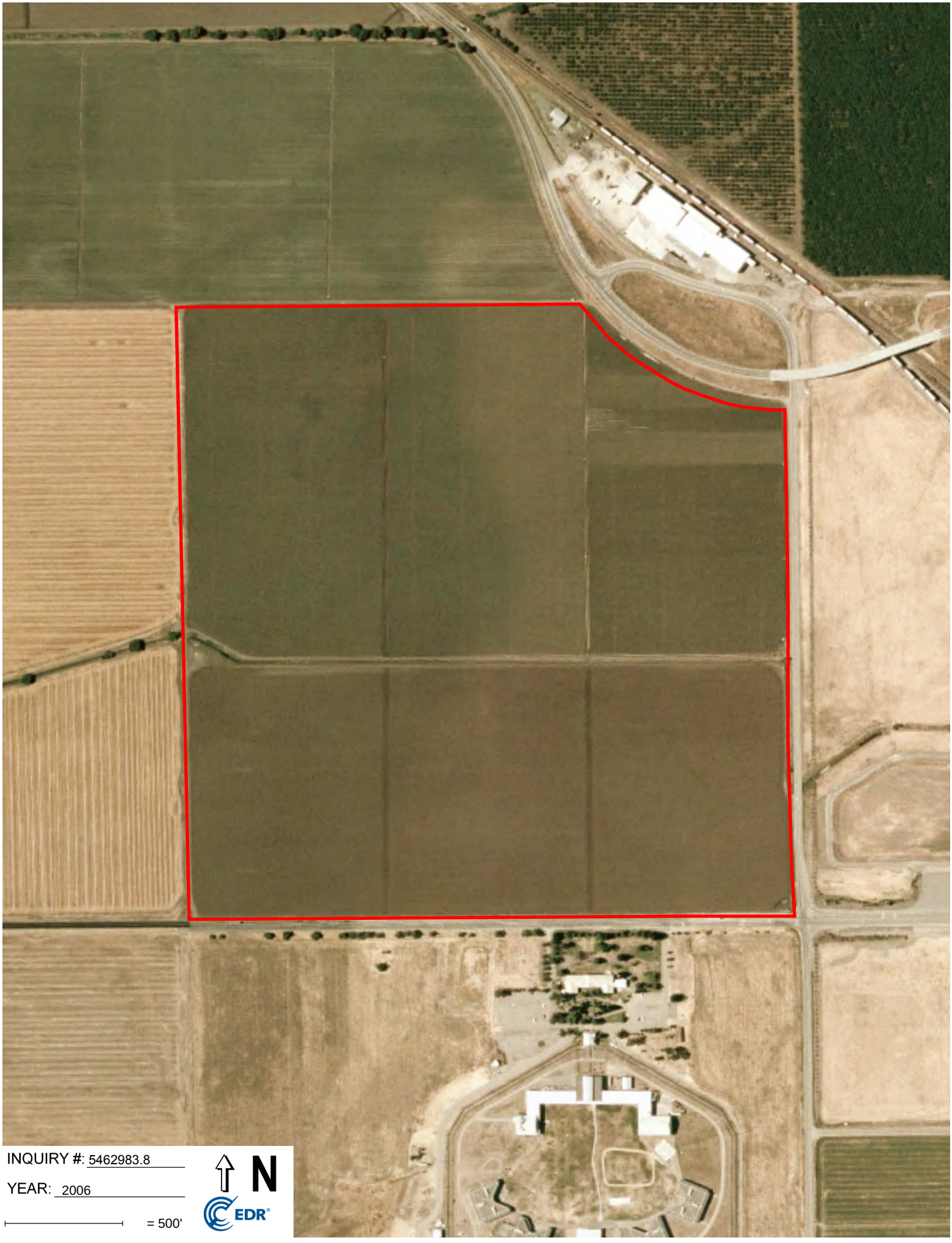
YEAR: 2012

= 500'

N

EDR


INQUIRY #: 5462983.8
YEAR: 2009
= 500'
N
EDR



INQUIRY #: 5462983.8

YEAR: 2006

= 500'

N

EDR



INQUIRY #: 5462983.8

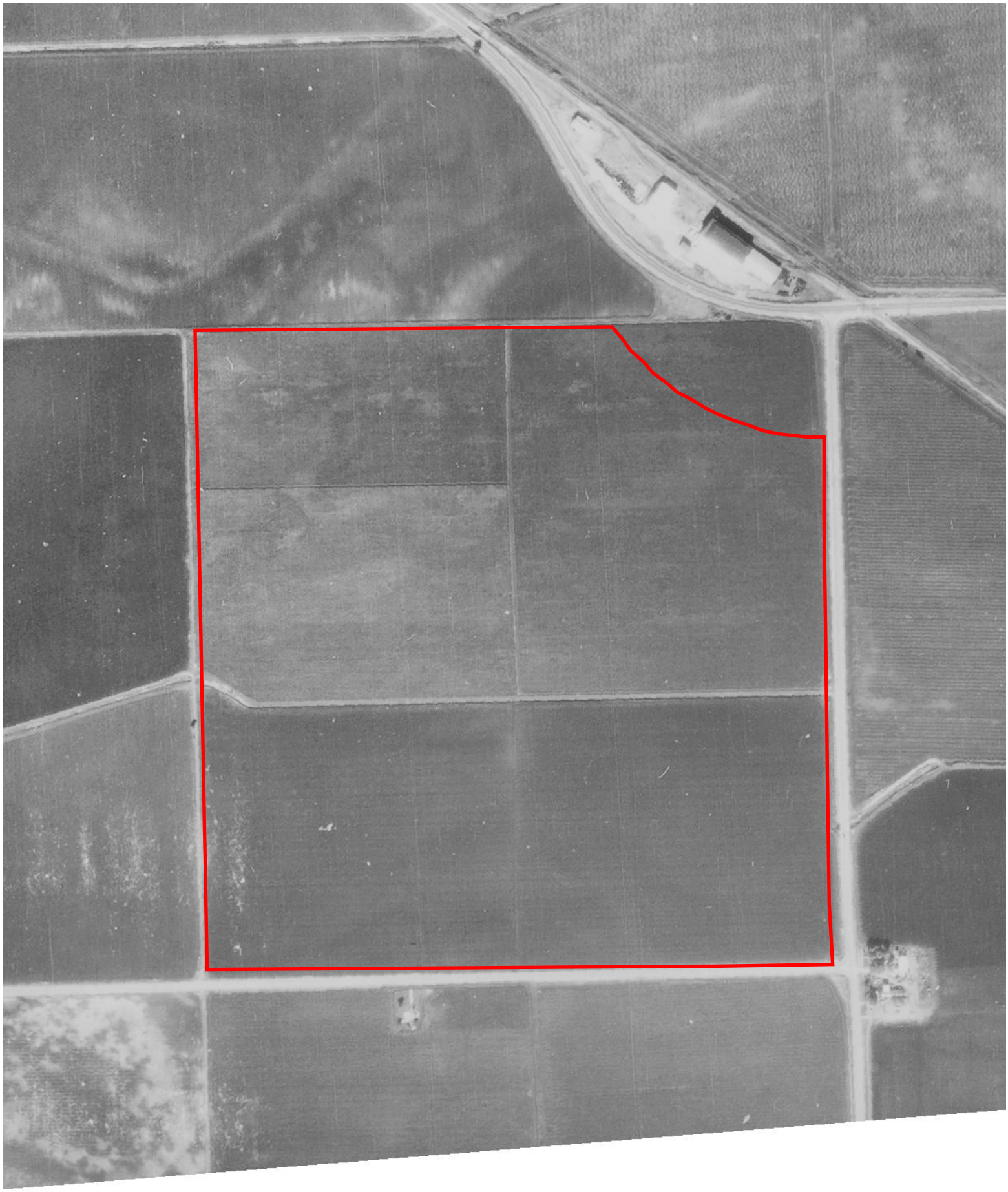
YEAR: 1993

= 500'

N

EDR


INQUIRY #: 5462983.8
YEAR: 1982
= 500'
N
EDR



INQUIRY #: 5462983.8

YEAR: 1975

= 500'

N

EDR



INQUIRY #: 5462983.8

YEAR: 1968

= 500'

N

EDR



INQUIRY #: 5462983.8

YEAR: 1963

= 500'

N

EDR



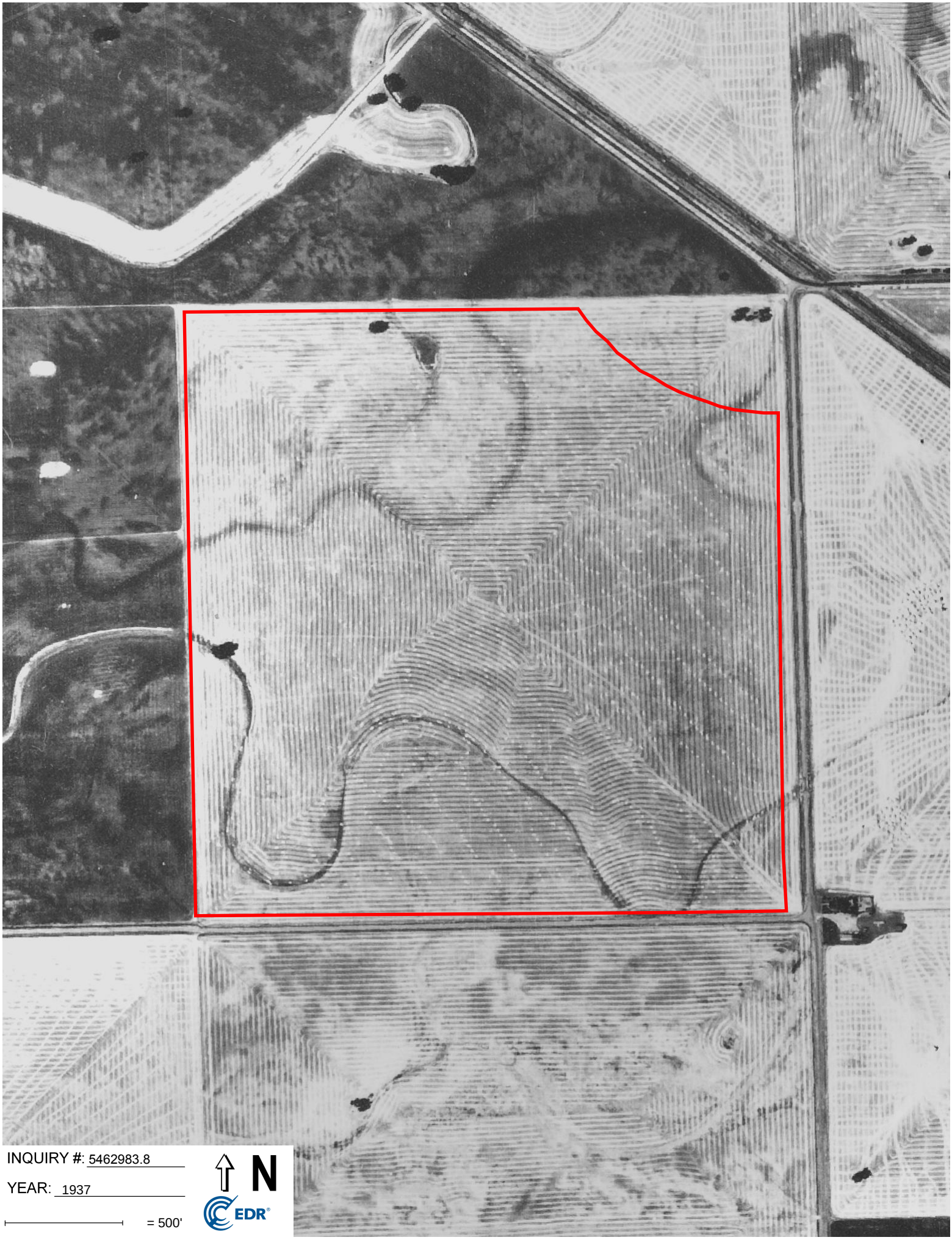
INQUIRY #: 5462983.8

YEAR: 1957

= 500'

N

EDR



INQUIRY #: 5462983.8

YEAR: 1937

= 500'

N

EDR

Sanchez
Austin Road and Arch Road
Stockton, CA 95215

Inquiry Number: 5462983.5
October 23, 2018

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.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

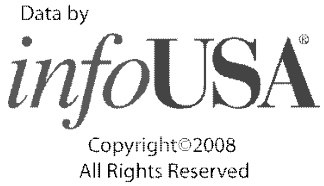
Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1906 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified 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

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2014	EDR Digital Archive	-	-	-	-
2010	EDR Digital Archive	-	-	-	-
2005	EDR Digital Archive	-	-	-	-
2003	SBC PACIFIC BELL	-	X	X	-
1999	R. L. Polk Co., Publishers	-	X	X	X
1996	R. L. Polk Co., Publishers	-	X	X	X
1990	R. L. Polk Co., Publishers	-	-	-	-
1984	R. L. Polk Co., Publishers	-	-	-	-
1979	R.L. Polk CO.	-	-	-	-
1975	R.L. Polk CO.	-	-	-	-
1970	R. L. Polk Co., Publishers	-	-	-	-
1965	R. L. Polk Co., Publishers	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1960	R. L. Polk Co., Publishers	-	-	-	-
1955	R. L. Polk Co.	-	-	-	-
1950	R. L. Polk Co., Publishers	-	-	-	-
1946	R. L. Polk Co., Publishers	-	-	-	-
1940	R. L. Polk Co., Publishers	-	-	-	-
1935	R. L. Polk Co. of California, Publishers	-	-	-	-
1930	R. L. Polk Co. of California, Publishers	-	-	-	-
1925	R. L. Polk Co. of California, Publishers	-	-	-	-
1921	Polk-Husted Directory Co., Publishers	-	-	-	-
1916	Polk-Husted Directory Co.	-	-	-	-
1911	Polk-Husted Directory	-	-	-	-
1906	A. KINGSBURY CO	-	-	-	-

RECORD SOURCES

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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***
6001 S Austin Road	Client Entered	

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

Austin Road and Arch Road
Stockton, CA 95215

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.

ARCH RD

7150 ARCH RD

Year	Uses	Source	
1999	RAINBOW FAMILY CENTER social Svcs	R. L. Polk Co., Publishers	Image pg. A1
1996	RAINBOW FAMILY CTR	R. L. Polk Co., Publishers	Image pg. A2
	CORRECTIONS DEPT	R. L. Polk Co., Publishers	Image pg. A2
	BUSINESSES 9 HOUSEHOLDS I	R. L. Polk Co., Publishers	Image pg. A2

ARCH RD E

7150 ARCH RD E

Year	Uses	Source
2003	CALIFORNIA STATE OF	SBC PACIFIC BELL
	RAINBOW VISITOR CENTER	SBC PACIFIC BELL

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
7150 ARCH RD	2014, 2010, 2005, 2003, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925, 1921, 1916, 1911, 1906
7150 ARCH RD E	2014, 2010, 2005, 1999, 1996, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925, 1921, 1916, 1911, 1906

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
Austin Road and Arch Road	2014, 2010, 2005, 2003, 1999, 1996, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925, 1921, 1916, 1911, 1906

Source Page Images Appendix

ARCH RD 1999

E ARCADE ST
312 McCall Mark E [2]
321 Not Verified
322 Baeza Martin F [6]
Baeza Maria F
330 Christian Geanna M [2] 466-7155
330½-335 Not Verified (2 Hses)
337 Hansen Thelma B [3]+
339 Lizarrasa Priscilla D [4]
346 Not Verified
+N SUTTER ST INTERSECTS
· ZIP CODE 95204 CAR-RT C010
404 Wilson Sherry K [2] 467-7901
Wilson Jay K 467-7901
407 Not Verified
411 DENTAL CERAMICS dental labs 465-8228
Maduena Charles [3]+
Maduena Nancy A
412-416 Not Verified (2 Hses)
417 Maimone Charles J [3]+
Maimone Rosemarie J
418 Ulrich Norman J [3]+
Ulrich Judy D
419Ⓝ Spencer Charles 466-2207
420Ⓝ Kaundart J W 466-2614
423 Evans Lorene G [3]+
Evans Jerry D
436-440 Not Verified (2 Hses)
444 Gulick Thomas W & Gail [3]+
465 Righetti Margherita [3]+
Righetti Dennis E
473 1-3 Not Verified (3 Apts)
+N CALIFORNIA ST INTERSECTS
BUSINESSES 1 HOUSEHOLDS 63

W ARCADE ST (STOCKTON)-
· ZIP CODE 95204 CAR-RT C025
1 Newhall Rodney M [3]+
Newhall Iris L
4 West James L [3]+
West Deborah S
11Ⓦ Wolff Jeffrey N
21 Crivello John J [7] 946-9400
CRIVELLO LINDA-DESIGNS
misc apprl accy st
..... 946-9400
22 Martini Viviane A [3]+ 464-7603
31Ⓔ Barnes Julia M
32 Rugh Lori R [6]
39 Not Verified
40 Vargas Santos J Jr [3]+
Vargas Rosie M
48 Luevano Donald E Jr [3]
Luevano Christine M
49 Kiger James N Jr [3]+
Kiger Deanna M
56 Miner Kurt B [7] 467-4974
61 Darrow Betty A [3]+
68 Bahrenfus William E Jr [3]+
Bahrenfus Corinne A
BAHRENFUSS W E PAINTING
pntng paper hangin
..... 462-4326
71 Not Verified
74 Santoyo Joe L [3]+
Santoyo Julie A
81 Hawk Jeffrey L & Cynthia [3]
88 Lahr Bret L [7] 464-3263
Lahr Tami L 464-3263
TAMI'S CRUISE
CONNECTION travel
agcy 942-3522
91Ⓢ Speer Todd J
Speer Melanie L
96 Bates Marlin C IV [7] 462-0694
Bates Lucille M 462-0694
BUSINESSES 3 HOUSEHOLDS 20

ARCATA CT (STOCKTON)-
· ZIP CODE 95209 CAR-RT R012
10412Ⓜ Medina Manuel T Jr
Medina Estela E
HOUSEHOLDS 1

ARCH RD (STOCKTON)-
+ARCH AIRPORT RD ENDS
· ZIP CODE 95215 CAR-RT R006
3660 Moore Curtis A & Marcy [3]+
3663 ORKIN PEST CONTROL
pest cntrl 943-1959
3686 Schott Steven J [3]+
..... 467-7055
3726 Comier Jean T [4]
3744 Not Verified
3768 Holder Cheryl A [3]+
..... 463-3082
3830 Naguria Magda [3]+
3902 Schenck Johnny W [3]+
3955 AMERIPRIDE advertising
..... 463-6688
4025Ⓜ McCaddon Michael F
McCaddon Mary A
2 STATCO ENGINEERING & FABRICATORS indus
equip 547-1555
4026 Donleavy Robert [2]
4038 Scott Ronald C [6]
Scott Christy D
4101 WESPRINT commrcl printng
..... 465-4000
4114 Lagorio Angelo J & Tamara [7]
..... 469-0756
4214 Woodard Walt & Darlene [3]+
4243 FARMER BROS CO grcrs rtld prds 466-0203
4310 Ellis Robert R Sr [3]+
..... 941-8366
Ellis Kenneth E 941-8366
+FRONTIER WAY ENDS
4832 Brown Russell L & Janice [4]
5365 Beasley Darren L [2]
Beasley Ronda L
5382 Coats Gerald F [3]+
5467Ⓡ Barkdull Claude 464-6195
7150 RAINBOW FAMILY CENTER
social svcs 948-5623
BUSINESSES 6 HOUSEHOLDS 17

ARCH AIRPORT RD (STOCKTON)-
+POCK LN ENDS
+GIANNECCHINI LN ENDS
· ZIP CODE 95206 CAR-RT C003
2901 SAN JOAQUIN COUNTY OF EDUCATION govt ofc 468-4859
SAN JOAQUIN COUNTY OFFICE OF EDUCATION
govt ofc 468-4800
+QANTAS LN ENDS
· ZIP CODE 95213 CAR-RT C000
3131 ADDRESS INFORMATION SYSTEMS govt ofc 983-6346
STOCKTON PDC govt ofc
..... 983-6395
U S P P S govt ofc 983-6258
VEHICLE MAINTENANCE FACILITY govt ofc
..... 983-6316
BUSINESSES 6

ARDELLE AVE (STOCKTON)-
· ZIP CODE 95215 CAR-RT C031
5035 Cowger Larry J Sr [3]+
Cowger Patricia N
5036 Not Verified
5043Ⓡ Ruiz Sinforino 948-4280
5044 Not Verified
5051 Christensen Jack [3]
Christensen Sheena
5052 Paniagua Jose F [3]
5058 Not Verified
5058 Garcia Sabrina M
2 Not Verified
5104 Leal Alicia V [3]+
5105Ⓓ Du Bois Roy L 465-9823
5111Ⓢ Smith Phillip J 464-5692
5119 Romero Jaime [3]
Romero Leticia
5120 Lopez Maria [2] 465-6471
5121 Espino Antonio A [2]
Espino Juanita
5135 Flores Delfino & Linda [3]+
5140 Arteaga Antonio O [3]
..... 948-1444
5144 Mariano Concepcion M [3]
Mariano Guadalupe
+S WALKER LN INTERSECTS
5200 Soto Jose A [2] 469-4536
5202 Holland Donnie R & Yuying [3]+
5223 Overley Rick D & Ronda [3]+
..... 464-6387
5224 Gonzales Pedro [3]+
5231 Alegria Javier M [2]
5232 Maxwell Howard B [3]+
..... 948-2325
Maxwell Edith M 948-2325
5242 Rodriguez Grace M [3]
5243 Not Verified
5252 Rodriguez Francisco [4]
Rodriguez Godoleva
5253 Not Verified
5262 Remy Ronald O [3]+
Remy Carolyn Y
5265 Not Verified
5271 Woods Lorene M [7]
5272 Not Verified
5281Ⓒ Chavez Veronica 465-9659
5282 Not Verified
5300 Gallagher Ronald C [6]
5303 Hollingsworth Esther [3]+
..... 463-7476
Hollingsworth Evelyne 463-7476
5304 Chalis Americo Sr [3]+
Chalis Maria G
5313Ⓓ Lopez Jesse J 467-1253
5314 LAO EVANGELICAL CHURCH religious orgs 547-1921
5323 Snow Darlene C [2]
5334 Callicoat Carl A [4]
Callicoat Annette L
5343 Seals James H [2]+
..... 463-8847
Seals Lowa E 463-8847
5351 Moore Benjamin F [2]+
..... 462-6398
Moore Ella L 462-6398
5354 Hurst John D & Emily [3]+
..... 465-4158
+S CARDINAL AVE INTERSECTS
5423 Faulkner Helen [3]+ 465-6722
5424Ⓒ Chavez Obdulia
5433 Knight William R [3]+
Knight Elizabeth R
5434 Coyle Vivian D [3]+
5445 Coyle Walter R [3]+
Coyle Dennis J
5451 Lopez Anthony & Susan [3]+
..... 462-6576
5503 Pimentel Barney & Cruzita [3]+
5504 Zavala Sara T [2]
5513 Not Verified
5514 Rios Carmen S [3]+
Rios Alicia C
5523 Eaton Tracy R [7]
Eaton Samantha A
5533 Not Verified
5542 Davisson Mike F [3]+
Davisson Linda K
M & L CONSESSIONS amusement rcrtn
..... 943-2194
5552 Callicoat Annette L [3]
5603 Not Verified
5616 Nevarez Jesus [3]+ 465-2931
Nevarez Ines R 465-2931
5625 Castillo Steven D [3]+
Castillo Sharon S
5626 Keller Vera M [3]+
5627 Gonzalez Uriel C [8]
..... 948-5922
Gonzalez Raquel 948-5922
5645 Smith Raymond N Jr [3]+
..... 465-7677
Smith Michelle R 465-7677
+BIRD AVE INTERSECTS
BUSINESSES 2 HOUSEHOLDS 62

ARDEN LN (STOCKTON)-FROM 8801 CHERBOURG WAY EAST
· ZIP CODE 95210 CAR-RT C019
2405 Not Verified

ARDEN LN
2411 INTL STUDIOS entertainers
..... 473-7828
Tregle Charles & Marie [3]+
2417 Virtucio Roberto A [6]
Virtucio Alicia G
2423 Khan Nisar & Rahila [3]+
2429 Block Sharon J [4]
2435 Huynh Devin D [3]+
Huynh Duc V
+CARDIFF PL BEGINS
2447 Sanchez Lucy T [2] 472-0474
2453 Chan Nancy Y [3]+
Chan Jerry
2459 Ko Calvin H [3]+
+AYLESFORD LN BEGINS
+HILLCREST AVE INTERSECTS
BUSINESSES 1 HOUSEHOLDS 9

N ARGONAUT ST (STOCKTON)-FROM 1199 E LINDSAY ST NORTH
+W FREMONT ST INTERSECTS
· ZIP CODE 95203 CAR-RT C011
525 MUDVILLE RAGS footwear
..... 943-6249
544 Thornton Elisa M [2] 943-1701
+W OAK ST INTERSECTS
604 Castellanos J [3] 547-0710
611 Thomason Sharon R [8]
Thomason Amanda L
617 Misquez R M [2]
623-625 Not Verified (2 Hses)
626 Arakawa Robert Y & Frances [3]+
629Ⓝ Heri Linda
634 Not Verified
635 Moore Roberta L [6]
Moore Ralph A
644Ⓝ Hamblin Louis
Hamblin Michelle
645 Gilbeau Susan J [3]+
+W PARK ST INTERSECTS
702 Eggros Christina M [3]+
708 Brown Peter J II [3]+
719Ⓝ Johnson Ronald G
Johnson Betty J
729 Deborba John N [3]+
..... 463-7630
730Ⓝ Piggee Jeaniale M
+W FLORA ST INTERSECTS
820 Campbell Donald R [3]+
..... 462-1973
Campbell Siriwan 462-1973
821 Keeler Rosetta [7] 464-9163
829 Ehle Jacqueline M [3]+
830 Wolfkill Victor V & Verasa [3]+
+W POPLAR ST INTERSECTS
920 Calderon Gerado F & Gerardo [3]+
921 Brighton Wallace E & Carol [5]
925Ⓝ Gastello Jennifer T
940 Schick John C [3]+
Schick Katherine N
+W ACACIA ST INTERSECTS
1020 Lane Lana L [8]
Lane Kelly N
1021 Franco Elene D [2]
1029 Sanders Mark [6]
1030 Tolentino Sally [2]
+W MAGNOLIA ST INTERSECTS
· ZIP CODE 95203 CAR-RT C005
1101 Not Verified
1115 Krueger Ruth E [6]
1117 Not Verified
1130 A Not Verified
+W ROSE ST INTERSECTS
· ZIP CODE 95204 CAR-RT C011
2108 Moccafiche Nola A [3]+
2109 McCray Shelley A [3]
2119 Randalman Steven G [2]
..... 941-2325
2120 Deiro Mark R [3]+
2127 Blaine Verna M [3]+
2135Ⓡ Bolint Gerald J
2136 Not Verified
2143Ⓝ Smith R L 465-7685
2144Ⓝ Harrold Robert 465-0675
2157 Richina Armida [5] 465-3699
+MIDDLEFIELD AVE INTERSECTS
2201 Molina Reynaldo A & Esperanza [3]+
2206 Gibson Ynez E [3]+
Gibson Marcus A
2219 Not Verified
2220 Whitman Max C [3]+
2227 Crane John R [3] 941-8666
2228 Barth Carleen L [3]+
2231 Webster Marie S [3]+
..... 462-4622
2236 Salatti Viola V [3]+
2243Ⓣ Torres Joseph J Jr
2250 Harris Christopher G [6]
..... 944-9344
Harris Nita A 944-9344
2251 Marcucci Richard J [3]+
Marcucci Faye S
2259 Martinez Trisa L [3]+
2275 Kates Clifford W [3]+
..... 463-1418
Kates Vera I 463-1418
+S COUNTRY CLUB BLVD ENDS
+N COUNTRY CLUB BLVD INTERSECTS
· ZIP CODE 95204 CAR-RT C012
2405 Vaughn Courtney L [2]
2419 Herrera Rosario M [3]+ 465-1674
Herrera Anthony J
2424 Rodriguez Virgil V [3]+
Rodriguez Anne H
2431 Hunt William D [3]+
Hunt Cheryl F
+ELMWOOD AVE INTERSECTS
BUSINESSES 1 HOUSEHOLDS 60

S ARGONAUT ST (STOCKTON)-FROM 1099 W SONORA ST
· ZIP CODE 95203 CAR-RT C013
338 Curvow Paul G [4]

S ARGONAUT ST
Curvow Christina M
340Ⓜ Mimmitt Nefertiti M 948-3036
343 Hilton Rick C [4] 943-7542
Hilton Sandra R 943-7542
405 Not Verified
420Ⓜ Marquez Antonio 941-8736
421 Not Verified
+W CHURCH ST INTERSECTS
+NAVY DR INTERSECTS
+W CHARTER WAY CONTINUES
+W 2ND ST ENDS
· ZIP CODE 95206 CAR-RT C014
1612 Not Verified
1630Ⓝ Parham Sallie M 464-5196
Ⓟ Parham William A 464-5196
1638 Brown Ida B [3]+ 464-6875
Brown Sandra M 464-6875
1666 CERVANTES ROY R CONSTRUCTION sngl-fam hsng cnstr 464-0823
Cervantes Roy A & Annette [3]+ 464-0823
1668 BIBLE WAY MINISTRY religious orgs 948-3545
1712Ⓒ Castillo Priscilla S 463-8319
1714 Sanidad Podencio Sr [5]
..... 469-0896
Sanidad Sofronio A 469-0896
1732 FAITH CHAPEL religious orgs 464-2886
1746 Vivero Gracielo D [3]+
Vivero Rosa E
1758 Not Verified
1760 Baquial Armida Q [3]+
1776 Japzon Severiano E Jr [3]+
..... 467-4918
Japzon Rhodelia C 467-4918
1777 HAHN TRACTOR CO farm garden mach 944-0743
1802 Not Verified
1812 Mabalot Geronima O [3]+
Mabalot Ronald O
1819 TAYLOR JOHN FERTILIZERS CO 944-9951
4 ALEXANDER CUSTOM SPRAYING crop pintng prtctn 464-0173
1826 Bruss Lillian T [3]+
1842 Arcos Juan T [4]
Arcos Gayla E
1846 Not Verified
1864 Refuerzo Bony [3]+
Refuerzo Velma B
1872 Espinoza Edward & Consuelo [3]+
T Not Verified
+IRENE ST ENDS
1909 AMERICAN HEAVY EQUIPMENT SERVICE farm garden mach 462-9033
1916 Rosete Jackson C [6]
..... 469-2978
Rosete Antonio F 469-2978
1963 T M P SERVICES NORTH busn svcs 461-7120
1968 Gonzales Jack [3]+ 463-8470
Gonzales Delores F 463-8470
+SANCHEZ CT ENDS
+GUTING DR BEGINS
2002 Not Verified
2010Ⓝ Castanon Joseph T 467-0225
2013 Guting Dolores D [3]+
Guting Antonio A
+DERRICK DR BEGINS
2016 Bracamonte Raymundo J [3]+
Bracamonte Ofelia
2018 Gomez David & Patricia [3]+
2020 Sandoval Delfino G [3]+
..... 464-0938
Sandoval Rosie M 464-0938
2041 Not Verified
2062 Casas Lori J [5]
Casas Juan M
2074 Tagupa Amador A [7]
Tagupa Marilyn N
2086 Cabuag Romolo L [7]
Cabuag Carolina E
+SANDOVAL CT BEGINS
2107 Mendoza Sergio [3]+
2111Ⓝ Carolino Epifania C 943-1514
Carolino Fani 943-1514
2125 Not Verified
2144 Ortega Evelyn [6]
+LUNA LN ENDS
2154 Rojas Andy & Jacqueline [3]+
..... 464-1980
2166 Villanueva Carolina [7]
+E 8TH ST INTERSECTS
BUSINESSES 8 HOUSEHOLDS 43

ARGONNE DR (STOCKTON)-
+S PERSHING AVE INTERSECTS
· ZIP CODE 95203 CAR-RT C009
1301 Giambruno Bernadette K [3]+
1313 Garcia Mary C [3]+
Garcia George H Sr
1421 Urvater Joshua H [2]
..... 463-7029
1431 Blinn Felecia E [3]+
..... 463-6165
1441 Hernandez Marianne E [3]+
1495 De Martini James S & Eleanor [3]+
+N COLUMBIA AVE INTERSECTS
1501 Bennett Charles K [3]+
Bennett Linda M
1519 Hemmer Tena R [3]+
Hemmer Debra A
1531 Golden William F [3]+
..... 462-2011
Golden Margaret M 462-2011
GOLDEN WILLIAM F COMMUNICATION
advertising agencies
..... 948-9333
1537 Berlin William G [3]+
..... 547-0642
1545 Halverson Richard & Sandra [5]

ARGONNE DR
+YALE AVE INTERSECTS
1605 Hourcade Anna J [4]
Hourcade Gabriel
1611 Damiano Leroy P [3]+
..... 463-1666
Damiano Joyce A 463-1666
1615 Hall Michael J & Karen [3]+
..... 946-0642
1621Ⓜ Marchesotti Andrew J
Marchesotti Delores J
+W ROSE ST INTERSECTS
1633 Yeoman Eric B III & Norma [3]+
1641 Garcia Louis A [3]+ 462-3010
Garcia Felicitas C 462-3010
1747 Maurer Bertram F [3]+
Maurer Dovie L
1759 Lucas George A [3]+
Lucas Susan M
1763 Waiman Sonya M [2]
+PICARDY DR ENDS
+MONTE DIABLO AVE BEGINS
BUSINESSES 1 HOUSEHOLDS 20

ARGUELLO DR (STOCKTON)-FROM 2201 SANTIAGO WAY
· ZIP CODE 95209 CAR-RT C006
7902 Pedrucci Julie A [4] 473-7245
7903 Contreras Mary N [2]
Contreras Juanita
7906-7907 Not Verified (2 Hses)
7918Ⓑ Barrera Marcella A
A Kimbrell Orville L [3]+
A Kimbrell Sheila
B Not Verified
C Fisher Marcella A [4]
D Norman Sienna M [6]
7919 Stuart Robert N [8]
A Watkins Evelyn A [3]+
B Castillo Larry M [2]
C Not Verified
7930 A Brown Marvin L [4] 474-1058
B Seibel Sean A & Lisa [7]
C Not Verified
7931 B Mueller Rudolph G [3]+
..... 477-2202
B Mueller Dorothy V 477-2202
C Lopez Sean M [2]
C Lopez Debbie L
D Drake Tobey L & Tobi [3]
8003 A Christen Bertha G [3]
B-C Not Verified (2 Apts)
8004 Miller Robert E [3]+ 951-9260
A Lindsey Dylan A [2]
A Lindsey Michelle L
B Yamamura Mildred T [2]
CⓃ Kalebaugh Robert E Sr
C Kalebaugh Betty E
8016 A Not Verified
B Goen Marguerite A [3]+
..... 472-9550
B Goen Alfred J 472-9550
D Lindsey Maria C [2]
8019Ⓝ Johnson Irene
AⓃ Wollenhaupt Charles T
8038 Cox Bernice [6]
AⓃ Kascht Richard J
A Kascht Marian M
B Larder Jennifer M [4]
D Ward Loretta A [3]+
8041 AⓃ Chamberlain Lucy E
B Kizer Gertrude [3]+
C Swanson Louise [5] 478-9273
D Christie Colin L & Loretta [3]+ 478-7690
8050 Carozza Janet C [3]+ .957-2082
C Not Verified
DⓃ Richmond Karen L
8103 Snyder Ralph L [3]+ 951-1880
Snyder Bill R 951-1880
ⓉTammen Harry A 472-0409
B Not Verified
C Cochran Russell R [2]
D Not Verified
8104 A Krayenhagen Violet K [8]
B Not Verified
8116Ⓝ Ferguson Jeffery A 476-1125
Ⓙ Jones Lawrence W
ⓀKlawitter Pat 951-4906
Melton Herman B [3]
..... 478-8078
A-C Not Verified (3 Apts)
D Smith Bernard E [4]
HOUSEHOLDS 57

ARGYLE CT (STOCKTON)-FROM 1301 CASTLE OAKS DR NORTH
· ZIP CODE 95210 CAR-RT C020
8616Ⓝ Wayne Katrina A
8622 Barter William R III [3]+
Barter Kathleen J
8627 Shanley Lorin E [3]+
Shanley Kelly A
8628 Giminez Joseph T & Ingrid [3]+
8634 Leiting Mark D [3]+
Leiting Gentye L
HOUSEHOLDS 5

ARIZONA AVE (STOCKTON)-FROM 729 DALLAS AVE SOUTH
+ELMIRA AVE INTERSECTS
+FLINT AVE INTERSECTS
· ZIP CODE 95206 CAR-RT C010
2650 Not Verified
2652 Giminez Sal P & Araceli [5]
2657Ⓝ Ying Meth 941-4961
2662 Not Verified
2664 Rivas Maria I [2]
2719 Not Verified
2721Ⓝ Noriega Esteban
+GLENDALE AVE INTERSECTS
HOUSEHOLDS 7

ARLINGTON RD (STOCKTON)-FROM 1726 STANFORD AVE EAST
· ZIP CODE 95205 CAR-RT C002
1108 Arceo Jorge [3]+

GEIGER
Manufacturing, Inc.
SERVING INDUSTRY SINCE 1904
CALIF. STATE CONTRACTORS LIC. 586688
• Structural Steel Fabrication
• Industrial Equipment Repairs
• General Machine Work
464-7746
FAX (209) 464-0536
P.O. BOX 1449 - 1110 E. SCOTTS AVE.
STOCKTON, CA 95201

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E ANDERSON ST cont'd

Address	Zip+4	CarrRte	Phone
1627 Eltareb Saleh	-7004	C024	465-3019
1628 Olmos Santia	-7005	C024	943-2345
1636 Langston Camilla	-7005	C024	456-6159
1728 Ahmed Nisar	-7007	C024	463-3191
1745 Lek Voun	-7006	C024	943-5379
1806 Ochoa Jose L	-7009	C024	943-6905
1826 Flores Gilbert Jr	-7009	C024	465-6743
Flores Lorraine	-7009	C024	465-6743
1827 Capillas Jessie	-7008	C024	464-5120
1845 Flores Helen	-7008	C024	463-4748
Flores Joseph	-7008	C024	463-4748
1859 Flores G N	-7008	C024	464-2029
1860 Vindiola Jesus	-7009	C024	463-9606
2021 JAC	-7060	C024	462-8551
2141 STOCKTON TRI INDUSTRIES	-7010	C024	948-9701
2809 Barnett Ernest	-7106	C010	464-3076
2834 Settles Jerry	-7107	C010	948-6951
3030 Schiller D	-7110	C010	943-6441
Spicer L	-7110	C010	943-6441
3120 Worley Quinton	-7111	C010	948-5960
3320 Cornejo Catali	-7114	C010	464-0962

BUSINESSES 3 HOUSEHOLDS 51

W ANDERSON ST (S) 95206

12 Soriano Jose	-1202	C001	462-6586
22 Corona Blanca	-1202	C001	943-7202
128 Umino Al Y	-1204	C001	464-7423
136 Cooper Joseph B	-1204	C001	465-7815
324 Neva Anita	-1227	C009	466-8183
Neva Jose	-1227	C009	466-8183
416 Githens Linda	-1229	C009	464-8974
423 Takahashi Scott	-1228	C009	464-6545
435 Tomimbang Victor	-1228	C009	467-0412
436 Fernandez Emma	-1229	C009	948-2123
Yepez Adolph B	-1229	C009	948-2123
447 Apilado T	-1228	C009	546-0820
611 Estrada Joe	-1231	C009	463-0474
657 Vang Xue	-1231	C009	464-6292
859 Vang Cha	-1231	C009	942-3151
1109 SEVEN-UP BOTTLING CO	-1158	C009	464-7778
1415 CLIPPER EXXPRESS CO	-1134	C009	464-8016
J C TRUCKING	-1134	C009	466-3282
LEADING EDGE DATA SVC	-1134	C009	948-6232

BUSINESSES 4 HOUSEHOLDS 15

ANDREA AVE (S) 95207

7423 Brecht Carl	-1701	C011	477-7857
7445 Dauphinee Margaret	-1701	C011	477-9011
7557 Felsch U W	-1703	C011	478-7976
7639 Ugarkovich Robert S	-1705	C011	957-2299
7671 James R	-1705	C011	474-2185

HOUSEHOLDS 5

ANDREW LN (M) 95336

1354 Pascua Gilbert	-3200	C018	823-2978

HOUSEHOLDS 1

ANDREW ST (TR) 95376

1550 MARK DAVIS MOBILE DISC JOCKEY	-1334	C022	832-1280
1560 Olson Greg	-1339	C022	835-4982
Olson Jamie	-1339	C022	835-4982
1600 Damon David	-1340	C022	835-0453
Damon Ronda	-1340	C022	835-0453

BUSINESSES 1 HOUSEHOLDS 4

ANGEL CT (S) 95209

9741 Oliva Chris G	-5166	C029	474-7672

HOUSEHOLDS 1

ANGEL DR (S) 95209

2418 Bruna Louis	-5106	C029	478-2897
2421 Fortune E F	-5107	C029	957-6276
2514 NORTH VEND	-5108	C029	957-2650
2526 Reynolds Ken	-5108	C029	473-7801
2721 Giarratana Charles	-5113	C029	956-5997
2725 Spalinger Herman A	-5113	C029	477-3412
2732 Corrales Fe	-5112	C029	473-4490
Corrales Romeo	-5112	C029	473-4490
2801 Doud Tom	-5115	C029	473-2789
Mieras M	-5115	C029	473-2789
2820 Hamer Thomas S	-5114	C029	952-4366
2903 Stutchen Rod	-5117	C029	951-5322
3002 Dhatt Hardyal S	-5131	C029	951-0415
3003 Hood Brian	-5130	C029	478-0149
3130 Boggs S W III	-5162	C029	951-5161
3166 JOHNNY LEE FINANCIAL & INS	-5162	C029	957-5033
3354 Vannoy David D	-5164	C029	951-0886

BUSINESSES 2 HOUSEHOLDS 15

ANGELICO CIR (S) 95207

1969 Armstrong Cathy Armstrong Ronnie	-8807	C029	472-9633
1971 Thisted B	-8807	C029	476-9457
1978 Johnson Rick	-8806	C029	951-6003
1980 TRAVELING GOURMET	-8806	C029	957-5057
Chandler Juan	-8806	C029	474-2645
1984 Lagier David	-8806	C029	474-1232
Lagier Marilyn	-8806	C029	474-1232
1988 Wark Cynthia	-8806	C029	957-7367
Wark Michael	-8806	C029	957-7367
1989 Reynolds Steve	-8807	C029	957-5434
1992 Bergmayr Thomas W	-8801	C029	477-8965
1994 Cardoni Paul	-8801	C029	952-0120
2014 Blair Joe	-7869	C029	474-0424
2038 Griffin Michael J	-7869	C029	477-2955
2052 Blakely Kaye	-7869	C029	473-2726
Blakely Kurt	-7869	C029	473-2726
2089 ADEPT BUSINESS FORMS & SYSTEMS	-8806	C029	477-7995

BUSINESSES 2 HOUSEHOLDS 16

N ANGIER RD (LO) 95240

12012 Morris Howard G	-9479	R004	368-2981

N ANGIER RD cont'd

Address	Zip+4	CarrRte	Phone
12049 Durston David	-9479	R004	369-4166
12101 Rowe William	-9479	R004	368-9310
12401 Taylor Al	-9443	R004	368-1284
12425 Deiss Mildred M	-9443	R004	369-2291
12477 Pasquarella Carl Pasquarella Patricia	-9443	R004	369-7533
12539 Riggle Pete	-9443	R004	369-7515
12606 Miner Fred J	-9443	R004	334-0265
12631 Kosta Tom J	-9443	R004	368-7640

HOUSEHOLDS 10

E ANITA ST (S) 95205

1810 Drake Francis	-4233	C004	465-9725
2216 Bayless John	-3840	C022	462-0666
2222 Wilson Wales H Jr	-3840	C022	464-8234
2240 T R ROOFING	-3840	C022	466-1014
Renberg Deloy	-3840	C022	464-1394
2327 Munoz Aurelio	-3841	C022	463-0302
2333 Cervantes Jesus	-3841	C022	547-8849
2345 Wilburn E C	-3841	C022	463-7167
2351 Pillsbury Edward D	-3841	C022	462-5490
2409 Heald Bert N	-3843	C022	465-0681
2521 Roberts James	-3845	C022	948-1090
2542 Alexander David	-3846	C022	464-8575
2613 Hill Lue	-3814	C022	948-2447
2628 Willis Robert L	-3847	C022	464-7558
2629 Holman Sharle M	-3814	C022	944-5820
2644 Roderick John M	-3847	C022	466-0427
2707 Raya V M	-3814	C022	465-2200
2730 Garcia Anthony	-3847	C022	547-1499
Garcia Tony	-3847	C022	463-3360
2731 Gorospe Henry	-3814	C022	948-5255
2816 Becknell Arrilus	-3849	C022	462-3095
2911 Ruvalcaba Francis	-3848	C022	463-3329
2926 Torres Jorge	-3849	C022	462-5605
Torres Lourdes	-3849	C022	462-5605
3111 Polee William P	-3904	C022	948-3008
3131 ANDERSON MOULDS INC	-3904	C022	943-1145
3136 STOCKTON LAPIDARY & MINERAL	-3905	C022	946-0113

BUSINESSES 3 HOUSEHOLDS 24

ANNABELLE LN (S) 95215

1129 Rico A	-6709	C031	465-8873
1138 Bishop Wilma	-6713	C031	942-1821
1145 Ledford Ruth	-6709	C031	464-6002

HOUSEHOLDS 3

ANNANDALE DR (S) 95219

4329 Stephens James R	-1781	C045	957-0636
4341 Atwater L J Jr	-1781	C045	478-0887
4427 Ferris Jesse W	-1783	C045	477-0769

HOUSEHOLDS 3

ANNAPOLIS QUAY CIR (S) 95219

6870 Shellenberger Henry	-3109	C012	477-8453
6871 Kaizakian Jerry	-3108	C012	951-0720
6874 French Brian	-3109	C012	951-6567
6878 Chung Seyoung	-3109	C012	952-3405
6901 Gauzner Georgy	-3110	C012	472-1733
6922 Welch David	-3111	C012	478-7035
Welch Deborah	-3111	C012	478-7035
6931 Gresham Jaylinn	-3110	C012	478-7491
Gresham Michael	-3110	C012	478-7491
6937 Martin Mikey	-3110	C012	951-2302
6938 Fox John	-3111	C012	473-4986

HOUSEHOLDS 11

ANNE ST (S) 95202

Lamm Jo			931-1056
Lamm Michael			931-1056
Lewis Lu			951-9646
Lewis Robert			951-9646
Sibert Mary			547-0947
Talbot Henry			478-2664
Talbot Jo			478-2664

ZIP CODE 95206

2101 McCullough John L	-2311	C004	463-5396
2115 Elliott Willard	-2311	C004	946-0524
2128 Logan Milton	-2356	C004	462-4600
2348 Frierson Lillian	-3352	C004	948-6360
3000 Vargas Anna	-3831	C007	982-5641
3012 ST PAUL BAPTIST CHURCH	-3831	C007	982-4432
3020 Lindsey Fred L	-3831	C007	982-4303
Lindsey Ricky	-3831	C007	982-4303
3051 Dukes Frank Sr	-3830	C007	982-4222
3052 Neva Maria	-3831	C007	982-1338
3307 Dority Oscar	-3834	C007	982-4855
3331 Kendrick Will E	-3834	C007	983-8025
3343 Johnson Iola	-3834	C007	982-1332
3354 Barrow Percy	-3835	C007	982-4526
3355 SUNNYSIDE GROUP HOME INC	-3834	C007	982-4246
3423 Thompson David S Jr	-3836	C007	982-1293

BUSINESSES 2 HOUSEHOLDS 21

N ANTEROS AVE (S) 95215

130 Erlandson Albert S	-5108	C019	464-8849
242 Crowe Margaret	-4801	C019	463-3175
Crowe Russell	-4801	C019	463-3175
402 FREMONT GARAGE	-4804	C019	465-6913
641 FIDDLE FIX	-4807	C019	462-5886

BUSINESSES 2 HOUSEHOLDS 3

S ANTEROS AVE (S) 95215

114 Elsenga Tim	-5110	C019	463-5058
Elsenga Toni	-5110	C019	463-5058
204 Rosendo Jaime	-7306	C019	948-5551
326 Williamson A T	-7306	C019	463-3756
342 Eckert Earl M	-7306	C019	462-8892
350 Hale Lee	-7306	C019	465-7722
445 Chavez Dolores	-7309	C019	466-5064
528 Takahashi Keiji	-7312	C019	464-0945
606 RANSOM PAINTING CO	-7312	C019	463-1174

S ANTEROS AVE cont'd

Address	Zip+4	CarrRte	Phone
622 Singnjar Lklia	-7312	C019	462-1832
715 Garcia Joe	-7315	C019	943-2476
838 Marlowe Lela M	-7318	C019	465-8286
920 Frazey James W	-7319	C019	465-4703
1051 Neagle Martin M	-7345	C006	948-5468
1052 Calzado Hilaria	-7314	C006	463-9685
1060 Dengate J W	-7314	C006	462-4893
Monks Harold T	-7314	C006	462-4893
1105 Bloom Melvin S	-7308	C006	463-6849
1115 Lule J	-7308	C006	465-2081
1151 Malone Jack	-7308	C006	484-1165
1163 Pruitt Earl	-7308	C006	466-2796

BUSINESSES 1 HOUSEHOLDS 20

N ANTHONY AVE (S) 95215

24 Brown James C		C021	463-3871
48 Dubois E F		C021	465-6169
50 Haug J M		C021	463-2256

HOUSEHOLDS 3

S ANTHONY AVE (S) 95215

227 Walker Felix T	-5905	C021	465-0563
235 Moreno Teodoro	-5905	C021	465-1044
330 Garcia Alfredo	-5908	C021	463-5427
335 Cobb Ben E	-5907	C021	464-2663

HOUSEHOLDS 4

ANTOINE CT (S) 95209

2501 Shaheed J	-2231	C050	478-0534
2506 Reed K	-2232	C050	473-1327
2559 Grames L K	-2231	C050	473-1819

HOUSEHOLDS 3

ANTONIA CT (TR) 95376

1645 Tobeck Kevin	-0707	C012	836-4691
1675 Fort J	-0707	C012	835-3593
Fort M	-0707	C012	835-3593

HOUSEHOLDS 3

APACHE DR (M) 95336

5696 Moore Ronald	-2536	C033	823-4517
5757 Hicks Bob	-2540	C033	823-4747
Hicks Bob	-2540	C033	823-7428
5766 Toney James E	-2539	C033	823-3236

HOUSEHOLDS 4

APPALOSA WAY (TR) 95376

1020 Vierra Joseph A	-8772	C022	835-0819

HOUSEHOLDS 1

APPLE DR (L) 95237

20144 Borth Andrew	-9789	R001	727-5877
Borth Jill	-9789	R001	727-5877
20166 Martin Larry	-9789	R001	727-3605

HOUSEHOLDS 3

APPLE BLOSSOM WAY (S) 95209

9610 Rai Iqbali S	-1104	C051	478-2353
9638 Thorkildson Kenneth L	-1104	C051	477-4531
9656 Trindade Alfred S	-1104	C051	473-8051

HOUSEHOLDS 3

APPLETON CT (S) 95219

3534 Collins Daryl G			478-8353
3614 Daugherty Kevin			956-0656
Daugherty Ryan			956-0656
Daugherty Scott			951-0500
3620 Caldwell Mel			476-8984
Caldwell Salve			476-8984

HOUSEHOLDS 6

APPLETON WAY (S) 95219

3555 Hoban Neil A			951-6000
3559 Thanas M E			956-0548
3565 Cruz Lawrence P			477-4106
3636 Welzel Gary E			476-9235
3644 Owens Norman E			957-4440
3647 Lenci Ralph J			478-7296

HOUSEHOLDS 6

APPLEWOOD DR (LO) 95242

201 Raverty Harold	-2002	C032	334-1340
Raverty Midge	-2002	C032	334-1340
209 GUERRETTE MARKETING & ADVTSNG	-2002	C032	368-7111
217 Blank Gerald	-2002	C032	334-3557
225 Wudel Kenneth	-2002	C032	334-5499
309 Okazaki Aki	-2004	C032	334-1480
Okazaki Satsuno	-2004	C032	368-7592
401 Cummins Bill	-2006	C032	333-0836
402 Wallace Dan	-2005	C032	367-4449
Wallace Trudy	-2005	C032	367-4449
409 Fujita Carl K	-2006	C032	368-0013
510 Smith Gregory S	-2006	C032	368-2958
516 Andonian Richard	-2009	C032	369-1565
Andonian Susan	-2009	C032	369-1565
520 Fallgant Robert E	-2009	C032	369-9315
521 Schmierer Bill	-2007	C032	369-0670
Schmierer Vicki	-2007	C032	369-0670
528 Ehlers Gregory A	-2009	C032	334-1495
539 Skaggs David	-2007	C032	333-8642
Skaggs Debbie	-2007	C032	333-8642
540 Moore Gordon E	-2009	C032	369-8085

BUSINESSES 1 HOUSEHOLDS 20

APPLING CIR (S) 95209

2765 Miraflor Abel	-1601	C022	957-0849
2769 Blythe D L	-1601	C022	952-9258
2812 Gapasin Elpidio	-1604	C022	951-7225
Gapasin Shirley	-1604	C022	951-7225
2827 Brown L B	-1636	C022	957-3566
2960 Gritz William J	-1635	C022	478-3184
2963 Labalad Leonora M	-1634	C022	478-8400
2974 Wyllie Eugene R	-1635	C022	477-8217
2975 Labalad Kathy	-1634	C022	952-8890
Labalad Phillip	-1634	C022	952-8890
3115 Solidum Norma C	-1659	C022	952-4276

APPLING CIR cont'd

Address	Zip+4	CarrRte	Phone
3127 Solidum Norma C	-1659	C022	474-6182
3139 Solidum Norma A	-1659	C022	952-9126

HOUSEHOLDS 13

APRIL PL (M) 95336

1313 Jones C	-3244	C018	239-4440
1320 Swift Douglas	-3244	C018	239-2253
1343 Perez Steve	-3244	C018	823-1659

HOUSEHOLDS 3

APRIL WAY (M) 95336

362 Sinclair Michael	-3230	C018	825-0379
386 Hedges Howard C	-3281	C018	239-1624
Hedges Joseph	-3281	C018	239-1624
420 Leaf Frank V III	-3232	C018	239-5401
421 Potts Gordon	-3233	C018	823-1901
503 Swift David	-3240	C018	823-5851
511 Davis George E	-3240	C018	239-5155
535 CLEARLY SUPERIOR WINDOWS	-3240	C018	239-8906
541 Trueb John C	-3240	C018	239-2730
551 Jamero Elizabeth	-3240	C018	823-0813
Jamero Robert	-3240	C018	823-0813

BUSINESSES 1 HOUSEHOLDS 10

APTOS LN (S) 95206

1405 Fearn L	-4896	C017	944-5681
Fearn T	-4896	C017	944-5681
1503 Jacobson Dennis	-4898	C017	547-8966
1535 Leon David	-4898	C017	462-6522
Leon Maria	-4898	C017	462-6522

HOUSEHOLDS 5

ARABIAN PL (S) 95210

5943 Hoang The	-3669	C039	956-6744
6049 Fernandez Irma	-3670	C039	474-8762
Fernandez Luis	-3670	C039	474-8762
6163 Woods Tom	-3670	C039	478-6936
6166 Ward Andrew J	-3671	C039	956-0718

HOUSEHOLDS 5

ARAPAHO CT (M) 95336

6201 Ganley William P	-2555	R006	825-4138
6221 Montoya Elaine	-2555	R006	823-7310

HOUSEHOLDS 2

ARAPAHO WAY (M) 95336

14415 Mattos Jean	-2566	R006	824-2993
Mattos Joseph	-2566	R006	824-2993
14425 Smith Boyd L	-2566	R006	823-2118
14435 Whittaker Kenneth J	-2566	R006	823-0474
14442 Snyder Bryan	-2565	R006	239-3599
14452 Jefferson Sherman L	-2565	R006	239-4855
14465 Macedo Thomas E	-2566	R006	239-5094
14505 Dunham Larry	-2567	R006	825-1634
Dunham Nancy	-2567	R006	825-1634
14525 Rea John A	-2567	R006	824-2359
14535 Hamm James	-2567	R006	823-0226
14565 Harris Danny	-2567	R006	239-9819
14606 Knackstedt Dawn M	-2556	R006	825-6789
14616 Longoria Alonzo	-2556	R006	823-6488

HOUSEHOLDS 14

N ARATA RD (S) 95215

2893 Alonso Maria	-9766	R001	931-4962
2962 Bozzano Lino	-9766	R001	931-2498
Bozzano Richard	-9766	R001	931-2498
Valenti Joseph	-9766	R001	931-4190
3000 Bozzano Richard	-9766	R001	931-2692
3449 Armanino William J	-9766	R001	931-3494
3939 Barosso Albert	-9766	R001	931-3222

HOUSEHOLDS 7

ARBOR CT (LO) 95240

109 Porterfield Kevin	-6706	C007	334-5742
Porterfield Vicki	-6706	C007	334-5742
110 Hillious Robert	-6707	C007	334-2988
115 Khan Miskeen M	-6706	C007	368-7661
121 Sarisky Gerard D	-6706	C007	369-3767
130 Zimmerman Arthur L	-6707	C007	369-7768
133 Lauchland Timm	-6706	C007	369-1390
139 Bechthold Bill D	-6706	C007	368-9206

HOUSEHOLDS 8

ARBOR RD (TR) 95376

360 C & S SCRAP METALS	-9452	R006	836-4293
370 TRACY ANIMAL SHELTER	-9452	R006	832-7387
6551 Rocha Daniel	-9401	R006	835-7669
6561 Vaz Antonio P	-9401	R006	835-6221
7350 Bettinzoli Guido	-9401	R006	835-0210

BUSINESSES 2 HOUSEHOLDS 3

ARBOR WAY (M) 95336

755 Doss O L	-3501	C007	825-5465

HOUSEHOLDS 1

S ARBOREAL WAY (R) 95366

18040 Brum Joe	-9727	R001	599-3186
18146 Morino Paul C	-9727	R001	599-3168
18208 Elsenga John	-9727	R001	599-3897
18272 Amaudo J	-9727	R001	599-6591
Amaudo M	-9727	R001	599-6591

HOUSEHOLDS 5

ARBOUR WAY (S) 95212

8608 Pezzi Leroy	-1403	C002	931-0986
8647 Waterbury Larry D	-1402	C002	931-5328

HOUSEHOLDS 2

ARC AVE (S) 95210

206 DANE'S GUEST HOME	-3732	C032	474-8774

ARC AVE cont'd

Address	Zip+4	CarrRte	Phone
221 Russell B L	-3731	C032	478-7226
Russell Robert	-3731	C032	478-7226
222 Correa Manuel	-3732	C032	478-1668
230 Silk James	-3732	C032	477-9765
312 Phillips Melvin R	-3740	C032	478-0729
518 Soderfelt Delores	-3736	C032	477-0888
Soderfelt Merle	-3736	C032	477-0888
526 Young James	-3736	C032	951-2264
529 Mechling Charles	-3735	C032	477-9665
Mechling Misako	-3735	C032	477-9665

BUSINESSES 1 HOUSEHOLDS 10

E ARCADE ST (S) 95204

25 Adatan Ofelia C	-3726	C007	466-5615
35 Barclay Ryan	-3726	C007	944-5916
56 Alvarez E	-3727	C007	464-6242
111 Garcia Avelino J	-3701	C002	463-7898
116 Joaquin A	-3702	C002	463-7178
Joaquin S	-3702	C002	463-7178
145 Arrien Justino	-3701	C002	465-4306
215 Mata Miguel L	-3703	C002	948-9756
225 Smith Lisa	-3703	C002	942-0152
240 Lim Diane	-3704	C002	465-0191
330 Miller Sharon	-3706	C002	943-6366
404 Nguyen Hanh	-3737	C010	547-8873
417 Maimone Charles	-3736	C010	464-5408

HOUSEHOLDS 13

W ARCADE ST (S) 95204

22 Martini V A	-4405	C007	464-7603
56 Miner Kurt	-4405	C007	467-4974
68 BUTCH W BAHRENRUSS JR PAINTING	-4405	C007	462-4326
96 Bates Lucille	-4405	C007	462-0694
Bates Marlin IV	-4405	C007	462-0694

BUSINESSES 1 HOUSEHOLDS 4

ARCH RD (S) 95215

3663 ORKIN PEST CONTROL	-8315	R006	832-3314
WAREHOUSE MINISTRIES	-8315	R006	467-3675
3744 Macdannald Darold	-8329	R006	465-8553
3768 Holder Malcolm	-8329	R006	463-3082
3955 MORT BROWN INC	-8328	R006	466-2166
4025 RUDLOFF VAN & STORAGE INC	-8324	R006	465-6683
STATCO ENGINEERING & FBRCTRS	-8324	R006	547-1555
4101 WESPRINT INC	-8324	R006	465-2619
4114 Lagorio Angelo J	-8323	R006	469-0756
4214 Woodard Walt	-8326	R006	462-0973
4243 FARMER BROTHERS COFFEE	-8325	R006	466-0203
4310 Ellis Robert R	-8322	R006	941-8366
5467 Barkdull Claude	-8322	R006	464-6195
7150 CORRECTIONS DEPT	-8321	R006	943-1600
RAINBOW FAMILY CTR	-8321	R006	948-5623

BUSINESSES 9 HOUSEHOLDS 6

ARCH AIRPORT RD (S) 95206

2901 JUVENILE HALL COMMUNITY SAN JOAQUIN COUNTY OFFICE-EDUC	-3974	C003	468-4853
ZIP CODE			95213
3131 US POST OFFICE	-9800	C000	983-6317

BUSINESSES 3

ARCHERDALE RD (LI) 95236

4540 Holmes C M	-9750	R004	887-3188
4607 Hardin Roy	-9750	R004	887-2456
4731 Mattes Douglas E	-9750	R004	887-3411
4780 Robinson Donald E	-9750	R004	887-2803
4859 Goularte Herbert	-9750	R004	887-3717
4863 Kaiser Ernest S	-9750	R004	887-3743
4991 Lagomarsino Andrew	-9750	R004	887-3086
4994 Richardson Jim	-9750	R004	887-3780
5006 Brent Charles	-9752	R004	887-3130
5119 Stroud Thomas W	-9752	R004	887-3393
5150 GEORGE MIFSUD TRUCKING	-9752	R004	887-3651
Milsud George	-9752	R004	887-3091
5353 Krenz Wilbur F	-9754	R004	887-3385
5885 FERRARI FARMS	-9756	R004	887-3603
Ferrari Italia	-9756	R004	887-2321

BUSINESSES 2 HOUSEHOLDS 13

ARCHES CT (TR) 95376

881 Ton Triet	-9638	R008	833-3248
891 GREIG & ASSOC	-9638	R008	833-7662
911 Guzman Ted	-9639	R008	835-9722

BUSINESSES 1 HOUSEHOLDS 2

ARDELLE AVE (S) 95215

5052 Paniagua Juan	-5910	C031	462-4582
5105 Dubois Roy L	-5911	C031	465-9823
5111 Smith Phillip J	-5911	C031	464-5692
5119 Ford G R	-5911	C031	463-8140
5200 Ketchum Mable	-6002	C031	547-1753
5223 Overley Garlon C	-6001	C031	464-6387
5231 Canpusano Francis	-6001	C031	463-7313
5235 Maxwell Howard B	-6001	C031	948-2325
5242 Johnson Juanita	-6002	C031	467-7249
5303 Hollingsworth Esther	-6003	C031	463-7476
5343 Seals James H	-6003	C031	463-8847

Appendix F CERTIFIED LABORATORY ANALYTICAL REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-89327-1
Client Project/Site: CT Realty - Stockton, CA

For:
Stantec Consulting Services Inc
1340 Treat Blvd.
Suite 300
Walnut Creek, California 94597

Attn: Rob Ellis

Authorized for release by:
10/31/2018 5:33:17 PM

Jamie Ide, Project Manager I
(303)736-0126
jamie.ide@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 6
Client Sample Results 13
Surrogate Summary 47
QC Sample Results 49
QC Association Summary 57
Lab Chronicle 62
Certification Summary 70
Method Summary 71
Sample Summary 72
Chain of Custody 73
Receipt Checklists 76

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-89327-1

Laboratory: TestAmerica Pleasanton

Narrative

CASE NARRATIVE
Client: Stantec Consulting Services Inc
Project: CT Realty - Stockton, CA
Report Number: 720-89327-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 10/24/2018 2:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.1º C and 1.2º C.

ORGANOCHLORINE PESTICIDES

Samples SB-01 (720-89327-1), SB-02 (720-89327-2), SB-03 (720-89327-3), SB-04 (720-89327-4), SB-05 (720-89327-5), SB-06 (720-89327-6), SB-07 (720-89327-7), SB-08 (720-89327-8), SB-09 (720-89327-9), SB-10 (720-89327-10), SB-11 (720-89327-11), SB-12 (720-89327-12), SB-13 (720-89327-13), SB-14 (720-89327-14), SB-15 (720-89327-15), SB-16 (720-89327-16), SB-17 (720-89327-17), SB-18 (720-89327-18), SB-19 (720-89327-19), SB-20 (720-89327-20), SB-21 (720-89327-21), SB-22 (720-89327-22), SB-23 (720-89327-23), SB-24 (720-89327-24), SB-25 (720-89327-25), SB-26 (720-89327-26), SB-27 (720-89327-27), SB-28 (720-89327-28), SB-29 (720-89327-29), SB-30 (720-89327-30), SB-31 (720-89327-31), SB-32 (720-89327-32), SB-33 (720-89327-33) and SB-34 (720-89327-34) were analyzed for organochlorine pesticides in accordance with EPA SW-846 Method 8081A. The samples were prepared on 10/25/2018 and 10/29/2018 and analyzed on 10/27/2018, 10/30/2018 and 10/31/2018.

trans-Chlordane failed the recovery criteria high for the MSD of sample SB-01MSD (720-89327-1) in batch 720-254215. Endrin aldehyde exceeded the RPD limit. Refer to the QC report for details.

4,4'-DDE failed the recovery criteria high for the MS of sample SB-31MS (720-89327-31) in batch 720-254313. Refer to the QC report for details.

The %RPD between the primary and confirmation column exceeded 40% for

- Dieldrin for the following samples: SB-15 (720-89327-15), SB-10 (720-89327-10), SB-11 (720-89327-11), SB-12 (720-89327-12) and SB-13 (720-89327-13)
- 4,4'-DDT & Dieldrin for the following sample: SB-22 (720-89327-22), SB-14 (720-89327-14)
- Dieldrin & Endosulfan II for the following samples: SB-04 (720-89327-4), SB-03 (720-89327-3), SB-05 (720-89327-5) and SB-06 (720-89327-6)
- 4,4'-DDD, Dieldrin & Endosulfan II for the following sample: SB-07 (720-89327-7)
- 4,4'-DDT, Dieldrin & Endosulfan II for the following sample: SB-08 (720-89327-8)
- 4,4'-DDT & Endosulfan II for the following sample: SB-16 (720-89327-16), SB-09 (720-89327-9)
- 4,4'-DDE, 4,4'-DDT, cis-Chlordane & trans-Chlordane for the following sample: SB-21 (720-89327-21)
- 4,4'-DDT & 4,4'-DDE for the following samples: SB-24 (720-89327-24), SB-25 (720-89327-25), SB-26 (720-89327-26) and SB-27 (720-89327-27)
- 4,4'-DDT for the following samples: SB-19 (720-89327-19), SB-23 (720-89327-23), SB-28 (720-89327-28), SB-31 (720-89327-31), SB-32 (720-89327-32), SB-33 (720-89327-33) and SB-34 (720-89327-34)
- 4,4'-DDE for the following samples: SB-17 (720-89327-17), SB-29 (720-89327-29) and SB-20 (720-89327-20)

The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Sample SB-29 (720-89327-29)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Job ID: 720-89327-1 (Continued)

Laboratory: TestAmerica Pleasanton (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

METALS (ICP)

Samples SB-01 (720-89327-1), SB-02 (720-89327-2), SB-03 (720-89327-3), SB-04 (720-89327-4), SB-05 (720-89327-5), SB-06 (720-89327-6), SB-07 (720-89327-7), SB-08 (720-89327-8), SB-09 (720-89327-9), SB-10 (720-89327-10), SB-11 (720-89327-11), SB-12 (720-89327-12), SB-13 (720-89327-13), SB-14 (720-89327-14), SB-15 (720-89327-15), SB-16 (720-89327-16), SB-17 (720-89327-17), SB-18 (720-89327-18), SB-19 (720-89327-19), SB-20 (720-89327-20), SB-21 (720-89327-21), SB-22 (720-89327-22), SB-23 (720-89327-23), SB-24 (720-89327-24), SB-25 (720-89327-25), SB-26 (720-89327-26), SB-27 (720-89327-27), SB-28 (720-89327-28), SB-29 (720-89327-29), SB-30 (720-89327-30), SB-31 (720-89327-31), SB-32 (720-89327-32), SB-33 (720-89327-33) and SB-34 (720-89327-34) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 10/25/2018 and 10/26/2018 and analyzed on 10/26/2018, 10/29/2018 and 10/30/2018.

Samples SB-01 (720-89327-1)[4X], SB-02 (720-89327-2)[4X], SB-03 (720-89327-3)[4X], SB-04 (720-89327-4)[4X], SB-05 (720-89327-5)[4X], SB-06 (720-89327-6)[4X], SB-07 (720-89327-7)[4X], SB-08 (720-89327-8)[4X], SB-09 (720-89327-9)[4X], SB-10 (720-89327-10)[4X], SB-11 (720-89327-11)[4X], SB-12 (720-89327-12)[4X], SB-13 (720-89327-13)[4X], SB-14 (720-89327-14)[4X], SB-15 (720-89327-15)[4X], SB-16 (720-89327-16)[4X], SB-17 (720-89327-17)[4X], SB-18 (720-89327-18)[4X], SB-19 (720-89327-19)[4X], SB-20 (720-89327-20)[4X], SB-21 (720-89327-21)[4X], SB-22 (720-89327-22)[4X], SB-23 (720-89327-23)[4X], SB-24 (720-89327-24)[4X], SB-25 (720-89327-25)[4X], SB-26 (720-89327-26)[4X], SB-27 (720-89327-27)[4X], SB-28 (720-89327-28)[4X], SB-29 (720-89327-29)[4X], SB-30 (720-89327-30)[4X], SB-31 (720-89327-31)[4X], SB-32 (720-89327-32)[4X], SB-33 (720-89327-33)[4X] and SB-34 (720-89327-34)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-01 — Lab Sample ID: 720-89327-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	6.9		2.0	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	98		2.0	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDD	1.5	J F1	2.0	0.60	ug/Kg	1		8081A	Total/NA
Toxaphene	60		39	6.6	ug/Kg	1		8081A	Total/NA
Arsenic	2.7	J	4.0	0.34	mg/Kg	4		6010B	Total/NA
Lead	6.6		2.0	0.42	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-02 — Lab Sample ID: 720-89327-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	6.5		1.9	0.39	ug/Kg	1		8081A	Total/NA
4,4'-DDE	89		1.9	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDD	1.5	J	1.9	0.58	ug/Kg	1		8081A	Total/NA
Toxaphene	57		38	6.5	ug/Kg	1		8081A	Total/NA
Arsenic	2.7	J	3.1	0.27	mg/Kg	4		6010B	Total/NA
Lead	6.9		1.6	0.33	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-03 — Lab Sample ID: 720-89327-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.66	J p	2.0	0.59	ug/Kg	1		8081A	Total/NA
4,4'-DDT	8.8		2.0	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDE	83		2.0	0.42	ug/Kg	1		8081A	Total/NA
4,4'-DDD	2.0		2.0	0.61	ug/Kg	1		8081A	Total/NA
Endosulfan II	1.1	J p	2.0	0.49	ug/Kg	1		8081A	Total/NA
Toxaphene	62		40	6.8	ug/Kg	1		8081A	Total/NA
Arsenic	2.7		2.2	0.19	mg/Kg	4		6010B	Total/NA
Lead	7.5		1.1	0.23	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-04 — Lab Sample ID: 720-89327-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	1.0	J p	2.0	0.58	ug/Kg	1		8081A	Total/NA
4,4'-DDT	8.1		2.0	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	74		2.0	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDD	1.9	J	2.0	0.60	ug/Kg	1		8081A	Total/NA
Endosulfan II	0.86	J p	2.0	0.48	ug/Kg	1		8081A	Total/NA
Toxaphene	72		39	6.7	ug/Kg	1		8081A	Total/NA
Arsenic	2.8		2.7	0.23	mg/Kg	4		6010B	Total/NA
Lead	6.5		1.3	0.28	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-05 — Lab Sample ID: 720-89327-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.65	J p	1.9	0.56	ug/Kg	1		8081A	Total/NA
4,4'-DDT	7.3		1.9	0.39	ug/Kg	1		8081A	Total/NA
4,4'-DDE	84		1.9	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDD	1.5	J	1.9	0.58	ug/Kg	1		8081A	Total/NA
Endosulfan II	1.2	J p	1.9	0.46	ug/Kg	1		8081A	Total/NA
Toxaphene	91		38	6.4	ug/Kg	1		8081A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-05 (Continued) — Lab Sample ID: 720-89327-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.9		2.8	0.24	mg/Kg	4		6010B	Total/NA
Lead	6.9		1.4	0.29	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-06 — Lab Sample ID: 720-89327-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	1.4	J p	2.0	0.58	ug/Kg	1		8081A	Total/NA
4,4'-DDT	8.3		2.0	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	79		2.0	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDD	2.1		2.0	0.60	ug/Kg	1		8081A	Total/NA
Endosulfan II	1.3	J p	2.0	0.48	ug/Kg	1		8081A	Total/NA
Toxaphene	110		39	6.7	ug/Kg	1		8081A	Total/NA
Arsenic	2.0	J	3.7	0.32	mg/Kg	4		6010B	Total/NA
Lead	6.4		1.9	0.39	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-07 — Lab Sample ID: 720-89327-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	1.8	J p	2.0	0.58	ug/Kg	1		8081A	Total/NA
4,4'-DDT	9.2		2.0	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	81		2.0	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDD	1.8	J p	2.0	0.60	ug/Kg	1		8081A	Total/NA
Endosulfan II	1.3	J p	2.0	0.48	ug/Kg	1		8081A	Total/NA
Toxaphene	110		39	6.7	ug/Kg	1		8081A	Total/NA
Arsenic	2.1		2.1	0.18	mg/Kg	4		6010B	Total/NA
Lead	5.8		1.1	0.22	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-08 — Lab Sample ID: 720-89327-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.81	J p	1.9	0.56	ug/Kg	1		8081A	Total/NA
4,4'-DDT	6.6	p	1.9	0.39	ug/Kg	1		8081A	Total/NA
4,4'-DDE	60		1.9	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDD	1.6	J	1.9	0.58	ug/Kg	1		8081A	Total/NA
Endosulfan II	0.87	J p	1.9	0.46	ug/Kg	1		8081A	Total/NA
Toxaphene	81		38	6.4	ug/Kg	1		8081A	Total/NA
Arsenic	2.7		2.2	0.19	mg/Kg	4		6010B	Total/NA
Lead	6.8		1.1	0.23	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-09 — Lab Sample ID: 720-89327-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	4.9	p	1.9	0.39	ug/Kg	1		8081A	Total/NA
4,4'-DDE	49		1.9	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDD	1.6	J	1.9	0.59	ug/Kg	1		8081A	Total/NA
Endosulfan II	0.67	J p	1.9	0.47	ug/Kg	1		8081A	Total/NA
Toxaphene	86		38	6.5	ug/Kg	1		8081A	Total/NA
Arsenic	2.8		2.4	0.21	mg/Kg	4		6010B	Total/NA
Lead	6.8		1.2	0.26	mg/Kg	4		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-10 — Lab Sample ID: 720-89327-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	1.1	J p	2.0	0.58	ug/Kg	1		8081A	Total/NA
4,4'-DDT	9.2		2.0	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	72		2.0	0.41	ug/Kg	1		8081A	Total/NA
Toxaphene	120		39	6.7	ug/Kg	1		8081A	Total/NA
trans-Chlordane	2.1		2.0	0.45	ug/Kg	1		8081A	Total/NA
Arsenic	3.1	J	3.5	0.30	mg/Kg	4		6010B	Total/NA
Lead	8.0		1.8	0.37	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-11 — Lab Sample ID: 720-89327-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	1.6	J p	1.9	0.57	ug/Kg	1		8081A	Total/NA
4,4'-DDT	8.6		1.9	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	85		1.9	0.40	ug/Kg	1		8081A	Total/NA
Toxaphene	150		39	6.6	ug/Kg	1		8081A	Total/NA
trans-Chlordane	2.6		1.9	0.44	ug/Kg	1		8081A	Total/NA
Arsenic	2.7		2.7	0.23	mg/Kg	4		6010B	Total/NA
Lead	7.4		1.4	0.29	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-12 — Lab Sample ID: 720-89327-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	1.1	J p	2.0	0.58	ug/Kg	1		8081A	Total/NA
4,4'-DDT	6.8		2.0	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	75		2.0	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDD	1.4	J	2.0	0.60	ug/Kg	1		8081A	Total/NA
Toxaphene	120		39	6.7	ug/Kg	1		8081A	Total/NA
trans-Chlordane	2.2		2.0	0.45	ug/Kg	1		8081A	Total/NA
Arsenic	2.2		2.0	0.17	mg/Kg	4		6010B	Total/NA
Lead	6.3		1.0	0.21	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-13 — Lab Sample ID: 720-89327-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.97	J p	1.9	0.57	ug/Kg	1		8081A	Total/NA
4,4'-DDT	8.8		1.9	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	77		1.9	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDD	2.0		1.9	0.59	ug/Kg	1		8081A	Total/NA
Toxaphene	120		39	6.6	ug/Kg	1		8081A	Total/NA
trans-Chlordane	2.4		1.9	0.45	ug/Kg	1		8081A	Total/NA
Arsenic	2.9		2.7	0.23	mg/Kg	4		6010B	Total/NA
Lead	7.1		1.3	0.28	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-14 — Lab Sample ID: 720-89327-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	1.1	J p	2.0	0.58	ug/Kg	1		8081A	Total/NA
4,4'-DDT	7.2	p	2.0	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	76		2.0	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDD	1.9	J	2.0	0.60	ug/Kg	1		8081A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-14 (Continued) — Lab Sample ID: 720-89327-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toxaphene	120		39	6.7	ug/Kg	1		8081A	Total/NA
Chlordane (technical)	22	J	39	3.1	ug/Kg	1		8081A	Total/NA
trans-Chlordane	1.9	J	2.0	0.45	ug/Kg	1		8081A	Total/NA
Arsenic	2.5		2.4	0.21	mg/Kg	4		6010B	Total/NA
Lead	7.2		1.2	0.26	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-15 — Lab Sample ID: 720-89327-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	1.2	J p	2.0	0.58	ug/Kg	1		8081A	Total/NA
4,4'-DDT	7.1		2.0	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	74		2.0	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDD	1.8	J	2.0	0.60	ug/Kg	1		8081A	Total/NA
Toxaphene	120		39	6.6	ug/Kg	1		8081A	Total/NA
trans-Chlordane	2.3		2.0	0.45	ug/Kg	1		8081A	Total/NA
Arsenic	3.2		2.3	0.20	mg/Kg	4		6010B	Total/NA
Lead	7.3		1.2	0.24	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-16 — Lab Sample ID: 720-89327-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	5.5	p	1.9	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	69		1.9	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDD	1.9		1.9	0.59	ug/Kg	1		8081A	Total/NA
Endosulfan II	0.92	J p	1.9	0.47	ug/Kg	1		8081A	Total/NA
Toxaphene	68		39	6.6	ug/Kg	1		8081A	Total/NA
Arsenic	2.1	J	2.9	0.25	mg/Kg	4		6010B	Total/NA
Lead	5.1		1.4	0.30	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-17 — Lab Sample ID: 720-89327-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	7.4		1.9	0.39	ug/Kg	1		8081A	Total/NA
4,4'-DDE	23	p	1.9	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDD	1.6	J	1.9	0.58	ug/Kg	1		8081A	Total/NA
Endosulfan II	0.73	J	1.9	0.47	ug/Kg	1		8081A	Total/NA
Toxaphene	77		38	6.5	ug/Kg	1		8081A	Total/NA
Arsenic	3.0		3.0	0.25	mg/Kg	4		6010B	Total/NA
Lead	5.9		1.5	0.31	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-18 — Lab Sample ID: 720-89327-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	1.6	J	1.9	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	23		1.9	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDD	0.63	J	1.9	0.59	ug/Kg	1		8081A	Total/NA
Arsenic	2.1	J	2.4	0.20	mg/Kg	4		6010B	Total/NA
Lead	7.5		1.2	0.25	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-19 — Lab Sample ID: 720-89327-19

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-19 (Continued) — Lab Sample ID: 720-89327-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	3.8	p	1.9	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	47		1.9	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDD	1.5	J	1.9	0.59	ug/Kg	1		8081A	Total/NA
Toxaphene	51		39	6.6	ug/Kg	1		8081A	Total/NA
Arsenic	2.4	J	2.7	0.23	mg/Kg	4		6010B	Total/NA
Lead	6.3		1.3	0.28	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-20 — Lab Sample ID: 720-89327-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	0.55	J	1.9	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	5.5	p	1.9	0.41	ug/Kg	1		8081A	Total/NA
Arsenic	2.4	J	3.4	0.29	mg/Kg	4		6010B	Total/NA
Lead	6.6		1.7	0.35	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-21 — Lab Sample ID: 720-89327-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	1.3	J p	2.0	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	12	p	2.0	0.41	ug/Kg	1		8081A	Total/NA
Chlordane (technical)	9.3	J	39	3.2	ug/Kg	1		8081A	Total/NA
cis-Chlordane	0.49	J p	2.0	0.39	ug/Kg	1		8081A	Total/NA
trans-Chlordane	0.67	J p	2.0	0.45	ug/Kg	1		8081A	Total/NA
Arsenic	3.3		3.2	0.27	mg/Kg	4		6010B	Total/NA
Lead	7.4		1.6	0.34	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-22 — Lab Sample ID: 720-89327-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	2.1	p	2.0	0.58	ug/Kg	1		8081A	Total/NA
4,4'-DDT	5.9	p	2.0	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	53		2.0	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDD	1.5	J	2.0	0.60	ug/Kg	1		8081A	Total/NA
Toxaphene	72		39	6.7	ug/Kg	1		8081A	Total/NA
Arsenic	3.0		2.6	0.22	mg/Kg	4		6010B	Total/NA
Lead	6.6		1.3	0.27	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-23 — Lab Sample ID: 720-89327-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	5.2	p	2.0	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	38		2.0	0.41	ug/Kg	1		8081A	Total/NA
Endosulfan II	0.63	J	2.0	0.48	ug/Kg	1		8081A	Total/NA
Arsenic	2.8	J	3.1	0.26	mg/Kg	4		6010B	Total/NA
Lead	7.8		1.5	0.32	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-24 — Lab Sample ID: 720-89327-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	4.4	p	1.9	0.40	ug/Kg	1		8081A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-24 (Continued) — Lab Sample ID: 720-89327-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	31	p	1.9	0.41	ug/Kg	1		8081A	Total/NA
Endosulfan II	0.49	J	1.9	0.48	ug/Kg	1		8081A	Total/NA
Arsenic	2.1		2.0	0.17	mg/Kg	4		6010B	Total/NA
Lead	5.5		1.0	0.21	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-25 — Lab Sample ID: 720-89327-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	3.6	p	1.9	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	27	p	1.9	0.41	ug/Kg	1		8081A	Total/NA
Endosulfan II	0.67	J	1.9	0.47	ug/Kg	1		8081A	Total/NA
Arsenic	2.2		2.2	0.19	mg/Kg	4		6010B	Total/NA
Lead	5.9		1.1	0.23	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-26 — Lab Sample ID: 720-89327-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	3.8	p	1.9	0.39	ug/Kg	1		8081A	Total/NA
4,4'-DDE	27	p	1.9	0.40	ug/Kg	1		8081A	Total/NA
Endosulfan II	0.76	J	1.9	0.47	ug/Kg	1		8081A	Total/NA
Arsenic	2.6	J	2.8	0.24	mg/Kg	4		6010B	Total/NA
Lead	6.5		1.4	0.29	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-27 — Lab Sample ID: 720-89327-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	2.6	p	2.0	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDE	25	p	2.0	0.42	ug/Kg	1		8081A	Total/NA
Endosulfan II	0.62	J	2.0	0.49	ug/Kg	1		8081A	Total/NA
Arsenic	2.1	J	2.2	0.19	mg/Kg	4		6010B	Total/NA
Lead	5.8		1.1	0.23	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-28 — Lab Sample ID: 720-89327-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	2.1	p	2.0	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	29		2.0	0.41	ug/Kg	1		8081A	Total/NA
Endosulfan II	0.76	J	2.0	0.48	ug/Kg	1		8081A	Total/NA
Arsenic	2.2	J	2.9	0.25	mg/Kg	4		6010B	Total/NA
Lead	5.5		1.5	0.31	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-29 — Lab Sample ID: 720-89327-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	1200		9.5	1.9	ug/Kg	5		8081A	Total/NA
4,4'-DDE	33	p	9.5	2.0	ug/Kg	5		8081A	Total/NA
4,4'-DDD	35		9.5	2.9	ug/Kg	5		8081A	Total/NA
Toxaphene	120	J	190	32	ug/Kg	5		8081A	Total/NA
Arsenic	2.3	J	2.4	0.20	mg/Kg	4		6010B	Total/NA
Lead	6.6		1.2	0.25	mg/Kg	4		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-30 — Lab Sample ID: 720-89327-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	4.3		2.0	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	29		2.0	0.41	ug/Kg	1		8081A	Total/NA
Endosulfan II	0.93	J p	2.0	0.48	ug/Kg	1		8081A	Total/NA
Toxaphene	26	J	39	6.7	ug/Kg	1		8081A	Total/NA
Arsenic	2.5		2.1	0.17	mg/Kg	4		6010B	Total/NA
Lead	6.3		1.0	0.22	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-31 — Lab Sample ID: 720-89327-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	3.4	p	2.0	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDE	30	F1	2.0	0.42	ug/Kg	1		8081A	Total/NA
Endosulfan II	1.6	J	2.0	0.49	ug/Kg	1		8081A	Total/NA
Arsenic	3.1		2.9	0.25	mg/Kg	4		6010B	Total/NA
Lead	6.7		1.5	0.31	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-32 — Lab Sample ID: 720-89327-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	3.6	p	2.0	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDE	35		2.0	0.42	ug/Kg	1		8081A	Total/NA
Endosulfan II	0.80	J	2.0	0.48	ug/Kg	1		8081A	Total/NA
Arsenic	2.9	J	3.6	0.31	mg/Kg	4		6010B	Total/NA
Lead	7.2		1.8	0.38	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-33 — Lab Sample ID: 720-89327-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	5.3	p	1.9	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	53		1.9	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDD	1.3	J	1.9	0.59	ug/Kg	1		8081A	Total/NA
Endosulfan II	1.1	J	1.9	0.48	ug/Kg	1		8081A	Total/NA
Arsenic	3.0	J	3.3	0.28	mg/Kg	4		6010B	Total/NA
Lead	7.6		1.6	0.34	mg/Kg	4		6010B	Total/NA

Client Sample ID: SB-34 — Lab Sample ID: 720-89327-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	4.5	p	1.9	0.40	ug/Kg	1		8081A	Total/NA
4,4'-DDE	46		1.9	0.41	ug/Kg	1		8081A	Total/NA
4,4'-DDD	1.1	J	1.9	0.59	ug/Kg	1		8081A	Total/NA
Endosulfan II	1.2	J	1.9	0.48	ug/Kg	1		8081A	Total/NA
Arsenic	2.5	J	3.8	0.32	mg/Kg	4		6010B	Total/NA
Lead	7.1		1.9	0.40	mg/Kg	4		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-01
Date Collected: 10/23/18 15:07
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-1
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.49	ug/Kg		10/25/18 10:08	10/27/18 18:03	1
Dieldrin	ND		2.0	0.58	ug/Kg		10/25/18 10:08	10/27/18 18:03	1
Endrin aldehyde	ND	F2	2.0	0.62	ug/Kg		10/25/18 10:08	10/27/18 18:03	1
Endrin	ND		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 18:03	1
Endrin ketone	ND		2.0	0.32	ug/Kg		10/25/18 10:08	10/27/18 18:03	1
Heptachlor	ND		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 18:03	1
Heptachlor epoxide	ND		2.0	0.34	ug/Kg		10/25/18 10:08	10/27/18 18:03	1
4,4'-DDT	**6.9**		2.0	0.40	ug/Kg		10/25/18 10:08	10/27/18 18:03	1
4,4'-DDE	**98**		2.0	0.41	ug/Kg		10/25/18 10:08	10/27/18 18:03	1
4,4'-DDD	**1.5**	**J F1**	2.0	0.60	ug/Kg		10/25/18 10:08	10/27/18 18:03	1
Endosulfan I	ND		2.0	0.31	ug/Kg		10/25/18 10:08	10/27/18 18:03	1
Endosulfan II	ND		2.0	0.48	ug/Kg		10/25/18 10:08	10/27/18 18:03	1
alpha-BHC	ND		2.0	0.54	ug/Kg		10/25/18 10:08	10/27/18 18:03	1
beta-BHC	ND		2.0	0.35	ug/Kg		10/25/18 10:08	10/27/18 18:03	1
gamma-BHC (Lindane)	ND		2.0	0.62	ug/Kg		10/25/18 10:08	10/27/18 18:03	1
delta-BHC	ND		2.0	0.43	ug/Kg		10/25/18 10:08	10/27/18 18:03	1
Endosulfan sulfate	ND		2.0	0.37	ug/Kg		10/25/18 10:08	10/27/18 18:03	1
Methoxychlor	ND		2.0	0.66	ug/Kg		10/25/18 10:08	10/27/18 18:03	1
Toxaphene	**60**		39	6.6	ug/Kg		10/25/18 10:08	10/27/18 18:03	1
Chlordane (technical)	ND		39	3.1	ug/Kg		10/25/18 10:08	10/27/18 18:03	1
cis-Chlordane	ND	F1	2.0	0.39	ug/Kg		10/25/18 10:08	10/27/18 18:03	1
trans-Chlordane	ND	F1	2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*21 - 145*	*10/25/18 10:08*	*10/27/18 18:03*	*1*
DCB Decachlorobiphenyl	*89*		*21 - 136*	*10/25/18 10:08*	*10/27/18 18:03*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.7**	**J**	4.0	0.34	mg/Kg		10/25/18 17:50	10/26/18 15:57	4
Lead	**6.6**		2.0	0.42	mg/Kg		10/25/18 17:50	10/26/18 15:57	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-02
Date Collected: 10/23/18 14:51
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-2
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.47	ug/Kg		10/25/18 10:08	10/27/18 18:20	1
Dieldrin	ND		1.9	0.56	ug/Kg		10/25/18 10:08	10/27/18 18:20	1
Endrin aldehyde	ND		1.9	0.60	ug/Kg		10/25/18 10:08	10/27/18 18:20	1
Endrin	ND		1.9	0.44	ug/Kg		10/25/18 10:08	10/27/18 18:20	1
Endrin ketone	ND		1.9	0.31	ug/Kg		10/25/18 10:08	10/27/18 18:20	1
Heptachlor	ND		1.9	0.44	ug/Kg		10/25/18 10:08	10/27/18 18:20	1
Heptachlor epoxide	ND		1.9	0.33	ug/Kg		10/25/18 10:08	10/27/18 18:20	1
4,4'-DDT	**6.5**		1.9	0.39	ug/Kg		10/25/18 10:08	10/27/18 18:20	1
4,4'-DDE	**89**		1.9	0.40	ug/Kg		10/25/18 10:08	10/27/18 18:20	1
4,4'-DDD	**1.5**	**J**	1.9	0.58	ug/Kg		10/25/18 10:08	10/27/18 18:20	1
Endosulfan I	ND		1.9	0.30	ug/Kg		10/25/18 10:08	10/27/18 18:20	1
Endosulfan II	ND		1.9	0.46	ug/Kg		10/25/18 10:08	10/27/18 18:20	1
alpha-BHC	ND		1.9	0.52	ug/Kg		10/25/18 10:08	10/27/18 18:20	1
beta-BHC	ND		1.9	0.34	ug/Kg		10/25/18 10:08	10/27/18 18:20	1
gamma-BHC (Lindane)	ND		1.9	0.60	ug/Kg		10/25/18 10:08	10/27/18 18:20	1
delta-BHC	ND		1.9	0.42	ug/Kg		10/25/18 10:08	10/27/18 18:20	1
Endosulfan sulfate	ND		1.9	0.36	ug/Kg		10/25/18 10:08	10/27/18 18:20	1
Methoxychlor	ND		1.9	0.64	ug/Kg		10/25/18 10:08	10/27/18 18:20	1
Toxaphene	**57**		38	6.5	ug/Kg		10/25/18 10:08	10/27/18 18:20	1
Chlordane (technical)	ND		38	3.0	ug/Kg		10/25/18 10:08	10/27/18 18:20	1
cis-Chlordane	ND		1.9	0.38	ug/Kg		10/25/18 10:08	10/27/18 18:20	1
trans-Chlordane	ND		1.9	0.44	ug/Kg		10/25/18 10:08	10/27/18 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*21 - 145*	*10/25/18 10:08*	*10/27/18 18:20*	*1*
DCB Decachlorobiphenyl	*94*		*21 - 136*	*10/25/18 10:08*	*10/27/18 18:20*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.7**	**J**	3.1	0.27	mg/Kg		10/25/18 17:50	10/26/18 16:01	4
Lead	**6.9**		1.6	0.33	mg/Kg		10/25/18 17:50	10/26/18 16:01	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-03
Date Collected: 10/23/18 13:40
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-3
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Dieldrin	**0.66**	**J p**	2.0	0.59	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Endrin aldehyde	ND		2.0	0.63	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Endrin	ND		2.0	0.46	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Endrin ketone	ND		2.0	0.33	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Heptachlor	ND		2.0	0.46	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
4,4'-DDT	**8.8**		2.0	0.41	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
4,4'-DDE	**83**		2.0	0.42	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
4,4'-DDD	**2.0**		2.0	0.61	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Endosulfan I	ND		2.0	0.32	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Endosulfan II	**1.1**	**J p**	2.0	0.49	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
alpha-BHC	ND		2.0	0.55	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
beta-BHC	ND		2.0	0.36	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
delta-BHC	ND		2.0	0.44	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Methoxychlor	ND		2.0	0.68	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Toxaphene	**62**		40	6.8	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Chlordane (technical)	ND		40	3.2	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		10/25/18 10:08	10/27/18 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*21 - 145*	*10/25/18 10:08*	*10/27/18 18:38*	*1*
DCB Decachlorobiphenyl	*89*		*21 - 136*	*10/25/18 10:08*	*10/27/18 18:38*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.7**		2.2	0.19	mg/Kg		10/25/18 17:50	10/26/18 16:06	4
Lead	**7.5**		1.1	0.23	mg/Kg		10/25/18 17:50	10/26/18 16:06	4

Client Sample ID: SB-04
Date Collected: 10/23/18 11:56
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-4
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.49	ug/Kg		10/25/18 10:08	10/27/18 18:55	1
Dieldrin	**1.0**	**J p**	2.0	0.58	ug/Kg		10/25/18 10:08	10/27/18 18:55	1
Endrin aldehyde	ND		2.0	0.62	ug/Kg		10/25/18 10:08	10/27/18 18:55	1
Endrin	ND		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 18:55	1
Endrin ketone	ND		2.0	0.32	ug/Kg		10/25/18 10:08	10/27/18 18:55	1
Heptachlor	ND		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 18:55	1
Heptachlor epoxide	ND		2.0	0.34	ug/Kg		10/25/18 10:08	10/27/18 18:55	1
4,4'-DDT	**8.1**		2.0	0.40	ug/Kg		10/25/18 10:08	10/27/18 18:55	1
4,4'-DDE	**74**		2.0	0.41	ug/Kg		10/25/18 10:08	10/27/18 18:55	1
4,4'-DDD	**1.9**	**J**	2.0	0.60	ug/Kg		10/25/18 10:08	10/27/18 18:55	1
Endosulfan I	ND		2.0	0.31	ug/Kg		10/25/18 10:08	10/27/18 18:55	1
Endosulfan II	**0.86**	**J p**	2.0	0.48	ug/Kg		10/25/18 10:08	10/27/18 18:55	1
alpha-BHC	ND		2.0	0.54	ug/Kg		10/25/18 10:08	10/27/18 18:55	1
beta-BHC	ND		2.0	0.35	ug/Kg		10/25/18 10:08	10/27/18 18:55	1
gamma-BHC (Lindane)	ND		2.0	0.62	ug/Kg		10/25/18 10:08	10/27/18 18:55	1
delta-BHC	ND		2.0	0.43	ug/Kg		10/25/18 10:08	10/27/18 18:55	1
Endosulfan sulfate	ND		2.0	0.37	ug/Kg		10/25/18 10:08	10/27/18 18:55	1
Methoxychlor	ND		2.0	0.67	ug/Kg		10/25/18 10:08	10/27/18 18:55	1
Toxaphene	**72**		39	6.7	ug/Kg		10/25/18 10:08	10/27/18 18:55	1
Chlordane (technical)	ND		39	3.1	ug/Kg		10/25/18 10:08	10/27/18 18:55	1
cis-Chlordane	ND		2.0	0.39	ug/Kg		10/25/18 10:08	10/27/18 18:55	1
trans-Chlordane	ND		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*21 - 145*	*10/25/18 10:08*	*10/27/18 18:55*	*1*
DCB Decachlorobiphenyl	*94*		*21 - 136*	*10/25/18 10:08*	*10/27/18 18:55*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.8**		2.7	0.23	mg/Kg		10/25/18 17:50	10/26/18 16:11	4
Lead	**6.5**		1.3	0.28	mg/Kg		10/25/18 17:50	10/26/18 16:11	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-05
Date Collected: 10/23/18 15:15
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-5
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.47	ug/Kg		10/25/18 10:08	10/27/18 19:13	1
Dieldrin	**0.65**	**J p**	1.9	0.56	ug/Kg		10/25/18 10:08	10/27/18 19:13	1
Endrin aldehyde	ND		1.9	0.59	ug/Kg		10/25/18 10:08	10/27/18 19:13	1
Endrin	ND		1.9	0.43	ug/Kg		10/25/18 10:08	10/27/18 19:13	1
Endrin ketone	ND		1.9	0.31	ug/Kg		10/25/18 10:08	10/27/18 19:13	1
Heptachlor	ND		1.9	0.43	ug/Kg		10/25/18 10:08	10/27/18 19:13	1
Heptachlor epoxide	ND		1.9	0.33	ug/Kg		10/25/18 10:08	10/27/18 19:13	1
4,4'-DDT	**7.3**		1.9	0.39	ug/Kg		10/25/18 10:08	10/27/18 19:13	1
4,4'-DDE	**84**		1.9	0.40	ug/Kg		10/25/18 10:08	10/27/18 19:13	1
4,4'-DDD	**1.5**	**J**	1.9	0.58	ug/Kg		10/25/18 10:08	10/27/18 19:13	1
Endosulfan I	ND		1.9	0.30	ug/Kg		10/25/18 10:08	10/27/18 19:13	1
Endosulfan II	**1.2**	**J p**	1.9	0.46	ug/Kg		10/25/18 10:08	10/27/18 19:13	1
alpha-BHC	ND		1.9	0.52	ug/Kg		10/25/18 10:08	10/27/18 19:13	1
beta-BHC	ND		1.9	0.34	ug/Kg		10/25/18 10:08	10/27/18 19:13	1
gamma-BHC (Lindane)	ND		1.9	0.59	ug/Kg		10/25/18 10:08	10/27/18 19:13	1
delta-BHC	ND		1.9	0.42	ug/Kg		10/25/18 10:08	10/27/18 19:13	1
Endosulfan sulfate	ND		1.9	0.36	ug/Kg		10/25/18 10:08	10/27/18 19:13	1
Methoxychlor	ND		1.9	0.64	ug/Kg		10/25/18 10:08	10/27/18 19:13	1
Toxaphene	**91**		38	6.4	ug/Kg		10/25/18 10:08	10/27/18 19:13	1
Chlordane (technical)	ND		38	3.0	ug/Kg		10/25/18 10:08	10/27/18 19:13	1
cis-Chlordane	ND		1.9	0.38	ug/Kg		10/25/18 10:08	10/27/18 19:13	1
trans-Chlordane	ND		1.9	0.43	ug/Kg		10/25/18 10:08	10/27/18 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*21 - 145*	*10/25/18 10:08*	*10/27/18 19:13*	*1*
DCB Decachlorobiphenyl	*93*		*21 - 136*	*10/25/18 10:08*	*10/27/18 19:13*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.9**		2.8	0.24	mg/Kg		10/25/18 17:50	10/26/18 16:25	4
Lead	**6.9**		1.4	0.29	mg/Kg		10/25/18 17:50	10/26/18 16:25	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-06
Date Collected: 10/23/18 14:38
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-6
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.49	ug/Kg		10/25/18 10:08	10/27/18 19:30	1
Dieldrin	**1.4**	**J p**	2.0	0.58	ug/Kg		10/25/18 10:08	10/27/18 19:30	1
Endrin aldehyde	ND		2.0	0.62	ug/Kg		10/25/18 10:08	10/27/18 19:30	1
Endrin	ND		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 19:30	1
Endrin ketone	ND		2.0	0.32	ug/Kg		10/25/18 10:08	10/27/18 19:30	1
Heptachlor	ND		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 19:30	1
Heptachlor epoxide	ND		2.0	0.34	ug/Kg		10/25/18 10:08	10/27/18 19:30	1
4,4'-DDT	**8.3**		2.0	0.40	ug/Kg		10/25/18 10:08	10/27/18 19:30	1
4,4'-DDE	**79**		2.0	0.41	ug/Kg		10/25/18 10:08	10/27/18 19:30	1
4,4'-DDD	**2.1**		2.0	0.60	ug/Kg		10/25/18 10:08	10/27/18 19:30	1
Endosulfan I	ND		2.0	0.31	ug/Kg		10/25/18 10:08	10/27/18 19:30	1
Endosulfan II	**1.3**	**J p**	2.0	0.48	ug/Kg		10/25/18 10:08	10/27/18 19:30	1
alpha-BHC	ND		2.0	0.54	ug/Kg		10/25/18 10:08	10/27/18 19:30	1
beta-BHC	ND		2.0	0.35	ug/Kg		10/25/18 10:08	10/27/18 19:30	1
gamma-BHC (Lindane)	ND		2.0	0.62	ug/Kg		10/25/18 10:08	10/27/18 19:30	1
delta-BHC	ND		2.0	0.43	ug/Kg		10/25/18 10:08	10/27/18 19:30	1
Endosulfan sulfate	ND		2.0	0.37	ug/Kg		10/25/18 10:08	10/27/18 19:30	1
Methoxychlor	ND		2.0	0.67	ug/Kg		10/25/18 10:08	10/27/18 19:30	1
Toxaphene	**110**		39	6.7	ug/Kg		10/25/18 10:08	10/27/18 19:30	1
Chlordane (technical)	ND		39	3.1	ug/Kg		10/25/18 10:08	10/27/18 19:30	1
cis-Chlordane	ND		2.0	0.39	ug/Kg		10/25/18 10:08	10/27/18 19:30	1
trans-Chlordane	ND		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*21 - 145*	*10/25/18 10:08*	*10/27/18 19:30*	*1*
DCB Decachlorobiphenyl	*91*		*21 - 136*	*10/25/18 10:08*	*10/27/18 19:30*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.0**	**J**	3.7	0.32	mg/Kg		10/25/18 17:50	10/26/18 16:29	4
Lead	**6.4**		1.9	0.39	mg/Kg		10/25/18 17:50	10/26/18 16:29	4

Client Sample ID: SB-07

Date Collected: 10/23/18 13:50
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-7

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.49	ug/Kg		10/25/18 10:08	10/27/18 19:48	1
Dieldrin	**1.8**	**J p**	2.0	0.58	ug/Kg		10/25/18 10:08	10/27/18 19:48	1
Endrin aldehyde	ND		2.0	0.62	ug/Kg		10/25/18 10:08	10/27/18 19:48	1
Endrin	ND		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 19:48	1
Endrin ketone	ND		2.0	0.33	ug/Kg		10/25/18 10:08	10/27/18 19:48	1
Heptachlor	ND		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 19:48	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		10/25/18 10:08	10/27/18 19:48	1
4,4'-DDT	**9.2**		2.0	0.40	ug/Kg		10/25/18 10:08	10/27/18 19:48	1
4,4'-DDE	**81**		2.0	0.41	ug/Kg		10/25/18 10:08	10/27/18 19:48	1
4,4'-DDD	**1.8**	**J p**	2.0	0.60	ug/Kg		10/25/18 10:08	10/27/18 19:48	1
Endosulfan I	ND		2.0	0.32	ug/Kg		10/25/18 10:08	10/27/18 19:48	1
Endosulfan II	**1.3**	**J p**	2.0	0.48	ug/Kg		10/25/18 10:08	10/27/18 19:48	1
alpha-BHC	ND		2.0	0.54	ug/Kg		10/25/18 10:08	10/27/18 19:48	1
beta-BHC	ND		2.0	0.36	ug/Kg		10/25/18 10:08	10/27/18 19:48	1
gamma-BHC (Lindane)	ND		2.0	0.62	ug/Kg		10/25/18 10:08	10/27/18 19:48	1
delta-BHC	ND		2.0	0.43	ug/Kg		10/25/18 10:08	10/27/18 19:48	1
Endosulfan sulfate	ND		2.0	0.37	ug/Kg		10/25/18 10:08	10/27/18 19:48	1
Methoxychlor	ND		2.0	0.67	ug/Kg		10/25/18 10:08	10/27/18 19:48	1
Toxaphene	**110**		39	6.7	ug/Kg		10/25/18 10:08	10/27/18 19:48	1
Chlordane (technical)	ND		39	3.2	ug/Kg		10/25/18 10:08	10/27/18 19:48	1
cis-Chlordane	ND		2.0	0.39	ug/Kg		10/25/18 10:08	10/27/18 19:48	1
trans-Chlordane	ND		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*21 - 145*	*10/25/18 10:08*	*10/27/18 19:48*	*1*
DCB Decachlorobiphenyl	*83*		*21 - 136*	*10/25/18 10:08*	*10/27/18 19:48*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.1**		2.1	0.18	mg/Kg		10/25/18 17:50	10/26/18 16:34	4
Lead	**5.8**		1.1	0.22	mg/Kg		10/25/18 17:50	10/26/18 16:34	4

Client Sample ID: SB-08
Date Collected: 10/23/18 11:49
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-8
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.47	ug/Kg		10/25/18 10:08	10/27/18 20:05	1
Dieldrin	**0.81**	**J p**	1.9	0.56	ug/Kg		10/25/18 10:08	10/27/18 20:05	1
Endrin aldehyde	ND		1.9	0.60	ug/Kg		10/25/18 10:08	10/27/18 20:05	1
Endrin	ND		1.9	0.43	ug/Kg		10/25/18 10:08	10/27/18 20:05	1
Endrin ketone	ND		1.9	0.31	ug/Kg		10/25/18 10:08	10/27/18 20:05	1
Heptachlor	ND		1.9	0.43	ug/Kg		10/25/18 10:08	10/27/18 20:05	1
Heptachlor epoxide	ND		1.9	0.33	ug/Kg		10/25/18 10:08	10/27/18 20:05	1
4,4'-DDT	**6.6**	**p**	1.9	0.39	ug/Kg		10/25/18 10:08	10/27/18 20:05	1
4,4'-DDE	**60**		1.9	0.40	ug/Kg		10/25/18 10:08	10/27/18 20:05	1
4,4'-DDD	**1.6**	**J**	1.9	0.58	ug/Kg		10/25/18 10:08	10/27/18 20:05	1
Endosulfan I	ND		1.9	0.30	ug/Kg		10/25/18 10:08	10/27/18 20:05	1
Endosulfan II	**0.87**	**J p**	1.9	0.46	ug/Kg		10/25/18 10:08	10/27/18 20:05	1
alpha-BHC	ND		1.9	0.52	ug/Kg		10/25/18 10:08	10/27/18 20:05	1
beta-BHC	ND		1.9	0.34	ug/Kg		10/25/18 10:08	10/27/18 20:05	1
gamma-BHC (Lindane)	ND		1.9	0.60	ug/Kg		10/25/18 10:08	10/27/18 20:05	1
delta-BHC	ND		1.9	0.42	ug/Kg		10/25/18 10:08	10/27/18 20:05	1
Endosulfan sulfate	ND		1.9	0.36	ug/Kg		10/25/18 10:08	10/27/18 20:05	1
Methoxychlor	ND		1.9	0.64	ug/Kg		10/25/18 10:08	10/27/18 20:05	1
Toxaphene	**81**		38	6.4	ug/Kg		10/25/18 10:08	10/27/18 20:05	1
Chlordane (technical)	ND		38	3.0	ug/Kg		10/25/18 10:08	10/27/18 20:05	1
cis-Chlordane	ND		1.9	0.38	ug/Kg		10/25/18 10:08	10/27/18 20:05	1
trans-Chlordane	ND		1.9	0.43	ug/Kg		10/25/18 10:08	10/27/18 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*21 - 145*	*10/25/18 10:08*	*10/27/18 20:05*	*1*
DCB Decachlorobiphenyl	*88*		*21 - 136*	*10/25/18 10:08*	*10/27/18 20:05*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.7**		2.2	0.19	mg/Kg		10/25/18 17:50	10/26/18 16:39	4
Lead	**6.8**		1.1	0.23	mg/Kg		10/25/18 17:50	10/26/18 16:39	4

Client Sample ID: SB-09
Date Collected: 10/23/18 12:21
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-9
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.48	ug/Kg		10/25/18 10:08	10/27/18 20:23	1
Dieldrin	ND		1.9	0.57	ug/Kg		10/25/18 10:08	10/27/18 20:23	1
Endrin aldehyde	ND		1.9	0.61	ug/Kg		10/25/18 10:08	10/27/18 20:23	1
Endrin	ND		1.9	0.44	ug/Kg		10/25/18 10:08	10/27/18 20:23	1
Endrin ketone	ND		1.9	0.32	ug/Kg		10/25/18 10:08	10/27/18 20:23	1
Heptachlor	ND		1.9	0.44	ug/Kg		10/25/18 10:08	10/27/18 20:23	1
Heptachlor epoxide	ND		1.9	0.34	ug/Kg		10/25/18 10:08	10/27/18 20:23	1
4,4'-DDT	**4.9**	**p**	1.9	0.39	ug/Kg		10/25/18 10:08	10/27/18 20:23	1
4,4'-DDE	**49**		1.9	0.40	ug/Kg		10/25/18 10:08	10/27/18 20:23	1
4,4'-DDD	**1.6**	**J**	1.9	0.59	ug/Kg		10/25/18 10:08	10/27/18 20:23	1
Endosulfan I	ND		1.9	0.31	ug/Kg		10/25/18 10:08	10/27/18 20:23	1
Endosulfan II	**0.67**	**J p**	1.9	0.47	ug/Kg		10/25/18 10:08	10/27/18 20:23	1
alpha-BHC	ND		1.9	0.53	ug/Kg		10/25/18 10:08	10/27/18 20:23	1
beta-BHC	ND		1.9	0.35	ug/Kg		10/25/18 10:08	10/27/18 20:23	1
gamma-BHC (Lindane)	ND		1.9	0.61	ug/Kg		10/25/18 10:08	10/27/18 20:23	1
delta-BHC	ND		1.9	0.42	ug/Kg		10/25/18 10:08	10/27/18 20:23	1
Endosulfan sulfate	ND		1.9	0.37	ug/Kg		10/25/18 10:08	10/27/18 20:23	1
Methoxychlor	ND		1.9	0.65	ug/Kg		10/25/18 10:08	10/27/18 20:23	1
Toxaphene	**86**		38	6.5	ug/Kg		10/25/18 10:08	10/27/18 20:23	1
Chlordane (technical)	ND		38	3.1	ug/Kg		10/25/18 10:08	10/27/18 20:23	1
cis-Chlordane	ND		1.9	0.38	ug/Kg		10/25/18 10:08	10/27/18 20:23	1
trans-Chlordane	ND		1.9	0.44	ug/Kg		10/25/18 10:08	10/27/18 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*21 - 145*	*10/25/18 10:08*	*10/27/18 20:23*	*1*
DCB Decachlorobiphenyl	*93*		*21 - 136*	*10/25/18 10:08*	*10/27/18 20:23*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.8**		2.4	0.21	mg/Kg		10/25/18 17:50	10/26/18 16:43	4
Lead	**6.8**		1.2	0.26	mg/Kg		10/25/18 17:50	10/26/18 16:43	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-10
Date Collected: 10/23/18 12:49
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-10
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.49	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Dieldrin	**1.1**	**J p**	2.0	0.58	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Endrin aldehyde	ND		2.0	0.62	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Endrin	ND		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Endrin ketone	ND		2.0	0.33	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Heptachlor	ND		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
4,4'-DDT	**9.2**		2.0	0.40	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
4,4'-DDE	**72**		2.0	0.41	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
4,4'-DDD	ND		2.0	0.60	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Endosulfan I	ND		2.0	0.32	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Endosulfan II	ND		2.0	0.48	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
alpha-BHC	ND		2.0	0.54	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
beta-BHC	ND		2.0	0.36	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
gamma-BHC (Lindane)	ND		2.0	0.62	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
delta-BHC	ND		2.0	0.43	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Endosulfan sulfate	ND		2.0	0.37	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Methoxychlor	ND		2.0	0.67	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Toxaphene	**120**		39	6.7	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
Chlordane (technical)	ND		39	3.2	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
cis-Chlordane	ND		2.0	0.39	ug/Kg		10/25/18 10:08	10/27/18 18:38	1
trans-Chlordane	**2.1**		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*21 - 145*	*10/25/18 10:08*	*10/27/18 18:38*	*1*
DCB Decachlorobiphenyl	*104*		*21 - 136*	*10/25/18 10:08*	*10/27/18 18:38*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.1**	**J**	3.5	0.30	mg/Kg		10/25/18 17:50	10/26/18 16:48	4
Lead	**8.0**		1.8	0.37	mg/Kg		10/25/18 17:50	10/26/18 16:48	4

Client Sample ID: SB-11

Date Collected: 10/23/18 15:30
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-11

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.48	ug/Kg		10/25/18 10:08	10/27/18 18:54	1
Dieldrin	**1.6**	**J p**	1.9	0.57	ug/Kg		10/25/18 10:08	10/27/18 18:54	1
Endrin aldehyde	ND		1.9	0.61	ug/Kg		10/25/18 10:08	10/27/18 18:54	1
Endrin	ND		1.9	0.44	ug/Kg		10/25/18 10:08	10/27/18 18:54	1
Endrin ketone	ND		1.9	0.32	ug/Kg		10/25/18 10:08	10/27/18 18:54	1
Heptachlor	ND		1.9	0.44	ug/Kg		10/25/18 10:08	10/27/18 18:54	1
Heptachlor epoxide	ND		1.9	0.34	ug/Kg		10/25/18 10:08	10/27/18 18:54	1
4,4'-DDT	**8.6**		1.9	0.40	ug/Kg		10/25/18 10:08	10/27/18 18:54	1
4,4'-DDE	**85**		1.9	0.40	ug/Kg		10/25/18 10:08	10/27/18 18:54	1
4,4'-DDD	ND		1.9	0.59	ug/Kg		10/25/18 10:08	10/27/18 18:54	1
Endosulfan I	ND		1.9	0.31	ug/Kg		10/25/18 10:08	10/27/18 18:54	1
Endosulfan II	ND		1.9	0.47	ug/Kg		10/25/18 10:08	10/27/18 18:54	1
alpha-BHC	ND		1.9	0.53	ug/Kg		10/25/18 10:08	10/27/18 18:54	1
beta-BHC	ND		1.9	0.35	ug/Kg		10/25/18 10:08	10/27/18 18:54	1
gamma-BHC (Lindane)	ND		1.9	0.61	ug/Kg		10/25/18 10:08	10/27/18 18:54	1
delta-BHC	ND		1.9	0.42	ug/Kg		10/25/18 10:08	10/27/18 18:54	1
Endosulfan sulfate	ND		1.9	0.37	ug/Kg		10/25/18 10:08	10/27/18 18:54	1
Methoxychlor	ND		1.9	0.66	ug/Kg		10/25/18 10:08	10/27/18 18:54	1
Toxaphene	**150**		39	6.6	ug/Kg		10/25/18 10:08	10/27/18 18:54	1
Chlordane (technical)	ND		39	3.1	ug/Kg		10/25/18 10:08	10/27/18 18:54	1
cis-Chlordane	ND		1.9	0.39	ug/Kg		10/25/18 10:08	10/27/18 18:54	1
trans-Chlordane	**2.6**		1.9	0.44	ug/Kg		10/25/18 10:08	10/27/18 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*21 - 145*	*10/25/18 10:08*	*10/27/18 18:54*	*1*
DCB Decachlorobiphenyl	*86*		*21 - 136*	*10/25/18 10:08*	*10/27/18 18:54*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.7**		2.7	0.23	mg/Kg		10/25/18 17:50	10/26/18 16:53	4
Lead	**7.4**		1.4	0.29	mg/Kg		10/25/18 17:50	10/26/18 16:53	4

Client Sample ID: SB-12
Date Collected: 10/23/18 14:35
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-12
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.49	ug/Kg		10/25/18 10:08	10/27/18 19:11	1
Dieldrin	**1.1**	**J p**	2.0	0.58	ug/Kg		10/25/18 10:08	10/27/18 19:11	1
Endrin aldehyde	ND		2.0	0.62	ug/Kg		10/25/18 10:08	10/27/18 19:11	1
Endrin	ND		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 19:11	1
Endrin ketone	ND		2.0	0.33	ug/Kg		10/25/18 10:08	10/27/18 19:11	1
Heptachlor	ND		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 19:11	1
Heptachlor epoxide	ND		2.0	0.34	ug/Kg		10/25/18 10:08	10/27/18 19:11	1
4,4'-DDT	**6.8**		2.0	0.40	ug/Kg		10/25/18 10:08	10/27/18 19:11	1
4,4'-DDE	**75**		2.0	0.41	ug/Kg		10/25/18 10:08	10/27/18 19:11	1
4,4'-DDD	**1.4**	**J**	2.0	0.60	ug/Kg		10/25/18 10:08	10/27/18 19:11	1
Endosulfan I	ND		2.0	0.32	ug/Kg		10/25/18 10:08	10/27/18 19:11	1
Endosulfan II	ND		2.0	0.48	ug/Kg		10/25/18 10:08	10/27/18 19:11	1
alpha-BHC	ND		2.0	0.54	ug/Kg		10/25/18 10:08	10/27/18 19:11	1
beta-BHC	ND		2.0	0.35	ug/Kg		10/25/18 10:08	10/27/18 19:11	1
gamma-BHC (Lindane)	ND		2.0	0.62	ug/Kg		10/25/18 10:08	10/27/18 19:11	1
delta-BHC	ND		2.0	0.43	ug/Kg		10/25/18 10:08	10/27/18 19:11	1
Endosulfan sulfate	ND		2.0	0.37	ug/Kg		10/25/18 10:08	10/27/18 19:11	1
Methoxychlor	ND		2.0	0.67	ug/Kg		10/25/18 10:08	10/27/18 19:11	1
Toxaphene	**120**		39	6.7	ug/Kg		10/25/18 10:08	10/27/18 19:11	1
Chlordane (technical)	ND		39	3.2	ug/Kg		10/25/18 10:08	10/27/18 19:11	1
cis-Chlordane	ND		2.0	0.39	ug/Kg		10/25/18 10:08	10/27/18 19:11	1
trans-Chlordane	**2.2**		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*21 - 145*	*10/25/18 10:08*	*10/27/18 19:11*	*1*
DCB Decachlorobiphenyl	*96*		*21 - 136*	*10/25/18 10:08*	*10/27/18 19:11*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.2**		2.0	0.17	mg/Kg		10/25/18 17:50	10/26/18 16:57	4
Lead	**6.3**		1.0	0.21	mg/Kg		10/25/18 17:50	10/26/18 16:57	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-13
Date Collected: 10/23/18 14:03
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-13
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.49	ug/Kg		10/25/18 10:08	10/27/18 19:27	1
Dieldrin	**0.97**	**J p**	1.9	0.57	ug/Kg		10/25/18 10:08	10/27/18 19:27	1
Endrin aldehyde	ND		1.9	0.61	ug/Kg		10/25/18 10:08	10/27/18 19:27	1
Endrin	ND		1.9	0.45	ug/Kg		10/25/18 10:08	10/27/18 19:27	1
Endrin ketone	ND		1.9	0.32	ug/Kg		10/25/18 10:08	10/27/18 19:27	1
Heptachlor	ND		1.9	0.45	ug/Kg		10/25/18 10:08	10/27/18 19:27	1
Heptachlor epoxide	ND		1.9	0.34	ug/Kg		10/25/18 10:08	10/27/18 19:27	1
4,4'-DDT	**8.8**		1.9	0.40	ug/Kg		10/25/18 10:08	10/27/18 19:27	1
4,4'-DDE	**77**		1.9	0.41	ug/Kg		10/25/18 10:08	10/27/18 19:27	1
4,4'-DDD	**2.0**		1.9	0.59	ug/Kg		10/25/18 10:08	10/27/18 19:27	1
Endosulfan I	ND		1.9	0.31	ug/Kg		10/25/18 10:08	10/27/18 19:27	1
Endosulfan II	ND		1.9	0.48	ug/Kg		10/25/18 10:08	10/27/18 19:27	1
alpha-BHC	ND		1.9	0.54	ug/Kg		10/25/18 10:08	10/27/18 19:27	1
beta-BHC	ND		1.9	0.35	ug/Kg		10/25/18 10:08	10/27/18 19:27	1
gamma-BHC (Lindane)	ND		1.9	0.61	ug/Kg		10/25/18 10:08	10/27/18 19:27	1
delta-BHC	ND		1.9	0.43	ug/Kg		10/25/18 10:08	10/27/18 19:27	1
Endosulfan sulfate	ND		1.9	0.37	ug/Kg		10/25/18 10:08	10/27/18 19:27	1
Methoxychlor	ND		1.9	0.66	ug/Kg		10/25/18 10:08	10/27/18 19:27	1
Toxaphene	**120**		39	6.6	ug/Kg		10/25/18 10:08	10/27/18 19:27	1
Chlordane (technical)	ND		39	3.1	ug/Kg		10/25/18 10:08	10/27/18 19:27	1
cis-Chlordane	ND		1.9	0.39	ug/Kg		10/25/18 10:08	10/27/18 19:27	1
trans-Chlordane	**2.4**		1.9	0.45	ug/Kg		10/25/18 10:08	10/27/18 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*72*		*21 - 145*	*10/25/18 10:08*	*10/27/18 19:27*	*1*
DCB Decachlorobiphenyl	*98*		*21 - 136*	*10/25/18 10:08*	*10/27/18 19:27*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.9**		2.7	0.23	mg/Kg		10/25/18 17:50	10/26/18 17:02	4
Lead	**7.1**		1.3	0.28	mg/Kg		10/25/18 17:50	10/26/18 17:02	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-14
Date Collected: 10/23/18 12:10
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-14
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.49	ug/Kg		10/25/18 10:08	10/27/18 19:43	1
Dieldrin	**1.1**	**J p**	2.0	0.58	ug/Kg		10/25/18 10:08	10/27/18 19:43	1
Endrin aldehyde	ND		2.0	0.62	ug/Kg		10/25/18 10:08	10/27/18 19:43	1
Endrin	ND		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 19:43	1
Endrin ketone	ND		2.0	0.32	ug/Kg		10/25/18 10:08	10/27/18 19:43	1
Heptachlor	ND		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 19:43	1
Heptachlor epoxide	ND		2.0	0.34	ug/Kg		10/25/18 10:08	10/27/18 19:43	1
4,4'-DDT	**7.2**	**p**	2.0	0.40	ug/Kg		10/25/18 10:08	10/27/18 19:43	1
4,4'-DDE	**76**		2.0	0.41	ug/Kg		10/25/18 10:08	10/27/18 19:43	1
4,4'-DDD	**1.9**	**J**	2.0	0.60	ug/Kg		10/25/18 10:08	10/27/18 19:43	1
Endosulfan I	ND		2.0	0.31	ug/Kg		10/25/18 10:08	10/27/18 19:43	1
Endosulfan II	ND		2.0	0.48	ug/Kg		10/25/18 10:08	10/27/18 19:43	1
alpha-BHC	ND		2.0	0.54	ug/Kg		10/25/18 10:08	10/27/18 19:43	1
beta-BHC	ND		2.0	0.35	ug/Kg		10/25/18 10:08	10/27/18 19:43	1
gamma-BHC (Lindane)	ND		2.0	0.62	ug/Kg		10/25/18 10:08	10/27/18 19:43	1
delta-BHC	ND		2.0	0.43	ug/Kg		10/25/18 10:08	10/27/18 19:43	1
Endosulfan sulfate	ND		2.0	0.37	ug/Kg		10/25/18 10:08	10/27/18 19:43	1
Methoxychlor	ND		2.0	0.66	ug/Kg		10/25/18 10:08	10/27/18 19:43	1
Toxaphene	**120**		39	6.7	ug/Kg		10/25/18 10:08	10/27/18 19:43	1
Chlordane (technical)	**22**	**J**	39	3.1	ug/Kg		10/25/18 10:08	10/27/18 19:43	1
cis-Chlordane	ND		2.0	0.39	ug/Kg		10/25/18 10:08	10/27/18 19:43	1
trans-Chlordane	**1.9**	**J**	2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*76*		*21 - 145*	*10/25/18 10:08*	*10/27/18 19:43*	*1*
DCB Decachlorobiphenyl	*95*		*21 - 136*	*10/25/18 10:08*	*10/27/18 19:43*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.5**		2.4	0.21	mg/Kg		10/25/18 17:50	10/26/18 17:06	4
Lead	**7.2**		1.2	0.26	mg/Kg		10/25/18 17:50	10/26/18 17:06	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-15
Date Collected: 10/23/18 12:32
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-15
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.49	ug/Kg		10/25/18 10:08	10/27/18 20:00	1
Dieldrin	**1.2**	**J p**	2.0	0.58	ug/Kg		10/25/18 10:08	10/27/18 20:00	1
Endrin aldehyde	ND		2.0	0.61	ug/Kg		10/25/18 10:08	10/27/18 20:00	1
Endrin	ND		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 20:00	1
Endrin ketone	ND		2.0	0.32	ug/Kg		10/25/18 10:08	10/27/18 20:00	1
Heptachlor	ND		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 20:00	1
Heptachlor epoxide	ND		2.0	0.34	ug/Kg		10/25/18 10:08	10/27/18 20:00	1
4,4'-DDT	**7.1**		2.0	0.40	ug/Kg		10/25/18 10:08	10/27/18 20:00	1
4,4'-DDE	**74**		2.0	0.41	ug/Kg		10/25/18 10:08	10/27/18 20:00	1
4,4'-DDD	**1.8**	**J**	2.0	0.60	ug/Kg		10/25/18 10:08	10/27/18 20:00	1
Endosulfan I	ND		2.0	0.31	ug/Kg		10/25/18 10:08	10/27/18 20:00	1
Endosulfan II	ND		2.0	0.48	ug/Kg		10/25/18 10:08	10/27/18 20:00	1
alpha-BHC	ND		2.0	0.54	ug/Kg		10/25/18 10:08	10/27/18 20:00	1
beta-BHC	ND		2.0	0.35	ug/Kg		10/25/18 10:08	10/27/18 20:00	1
gamma-BHC (Lindane)	ND		2.0	0.61	ug/Kg		10/25/18 10:08	10/27/18 20:00	1
delta-BHC	ND		2.0	0.43	ug/Kg		10/25/18 10:08	10/27/18 20:00	1
Endosulfan sulfate	ND		2.0	0.37	ug/Kg		10/25/18 10:08	10/27/18 20:00	1
Methoxychlor	ND		2.0	0.66	ug/Kg		10/25/18 10:08	10/27/18 20:00	1
Toxaphene	**120**		39	6.6	ug/Kg		10/25/18 10:08	10/27/18 20:00	1
Chlordane (technical)	ND		39	3.1	ug/Kg		10/25/18 10:08	10/27/18 20:00	1
cis-Chlordane	ND		2.0	0.39	ug/Kg		10/25/18 10:08	10/27/18 20:00	1
trans-Chlordane	**2.3**		2.0	0.45	ug/Kg		10/25/18 10:08	10/27/18 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*21 - 145*	*10/25/18 10:08*	*10/27/18 20:00*	*1*
DCB Decachlorobiphenyl	*94*		*21 - 136*	*10/25/18 10:08*	*10/27/18 20:00*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.2**		2.3	0.20	mg/Kg		10/25/18 17:50	10/26/18 17:20	4
Lead	**7.3**		1.2	0.24	mg/Kg		10/25/18 17:50	10/26/18 17:20	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-16
Date Collected: 10/23/18 12:57
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-16
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.48	ug/Kg		10/25/18 10:08	10/30/18 13:06	1
Dieldrin	ND		1.9	0.57	ug/Kg		10/25/18 10:08	10/30/18 13:06	1
Endrin aldehyde	ND		1.9	0.61	ug/Kg		10/25/18 10:08	10/30/18 13:06	1
Endrin	ND		1.9	0.44	ug/Kg		10/25/18 10:08	10/30/18 13:06	1
Endrin ketone	ND		1.9	0.32	ug/Kg		10/25/18 10:08	10/30/18 13:06	1
Heptachlor	ND		1.9	0.44	ug/Kg		10/25/18 10:08	10/30/18 13:06	1
Heptachlor epoxide	ND		1.9	0.34	ug/Kg		10/25/18 10:08	10/30/18 13:06	1
4,4'-DDT	**5.5**	**p**	1.9	0.40	ug/Kg		10/25/18 10:08	10/30/18 13:06	1
4,4'-DDE	**69**		1.9	0.40	ug/Kg		10/25/18 10:08	10/30/18 13:06	1
4,4'-DDD	**1.9**		1.9	0.59	ug/Kg		10/25/18 10:08	10/30/18 13:06	1
Endosulfan I	ND		1.9	0.31	ug/Kg		10/25/18 10:08	10/30/18 13:06	1
Endosulfan II	**0.92**	**J p**	1.9	0.47	ug/Kg		10/25/18 10:08	10/30/18 13:06	1
alpha-BHC	ND		1.9	0.53	ug/Kg		10/25/18 10:08	10/30/18 13:06	1
beta-BHC	ND		1.9	0.35	ug/Kg		10/25/18 10:08	10/30/18 13:06	1
gamma-BHC (Lindane)	ND		1.9	0.61	ug/Kg		10/25/18 10:08	10/30/18 13:06	1
delta-BHC	ND		1.9	0.42	ug/Kg		10/25/18 10:08	10/30/18 13:06	1
Endosulfan sulfate	ND		1.9	0.37	ug/Kg		10/25/18 10:08	10/30/18 13:06	1
Methoxychlor	ND		1.9	0.66	ug/Kg		10/25/18 10:08	10/30/18 13:06	1
Toxaphene	**68**		39	6.6	ug/Kg		10/25/18 10:08	10/30/18 13:06	1
Chlordane (technical)	ND		39	3.1	ug/Kg		10/25/18 10:08	10/30/18 13:06	1
cis-Chlordane	ND		1.9	0.39	ug/Kg		10/25/18 10:08	10/30/18 13:06	1
trans-Chlordane	ND		1.9	0.44	ug/Kg		10/25/18 10:08	10/30/18 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*21 - 145*	*10/25/18 10:08*	*10/30/18 13:06*	*1*
DCB Decachlorobiphenyl	*96*		*21 - 136*	*10/25/18 10:08*	*10/30/18 13:06*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.1**	**J**	2.9	0.25	mg/Kg		10/25/18 17:50	10/26/18 17:25	4
Lead	**5.1**		1.4	0.30	mg/Kg		10/25/18 17:50	10/26/18 17:25	4

Client Sample ID: SB-17

Date Collected: 10/23/18 11:24
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-17

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.48	ug/Kg		10/25/18 10:08	10/30/18 13:24	1
Dieldrin	ND		1.9	0.56	ug/Kg		10/25/18 10:08	10/30/18 13:24	1
Endrin aldehyde	ND		1.9	0.60	ug/Kg		10/25/18 10:08	10/30/18 13:24	1
Endrin	ND		1.9	0.44	ug/Kg		10/25/18 10:08	10/30/18 13:24	1
Endrin ketone	ND		1.9	0.31	ug/Kg		10/25/18 10:08	10/30/18 13:24	1
Heptachlor	ND		1.9	0.44	ug/Kg		10/25/18 10:08	10/30/18 13:24	1
Heptachlor epoxide	ND		1.9	0.33	ug/Kg		10/25/18 10:08	10/30/18 13:24	1
4,4'-DDT	**7.4**		1.9	0.39	ug/Kg		10/25/18 10:08	10/30/18 13:24	1
4,4'-DDE	**23**	**p**	1.9	0.40	ug/Kg		10/25/18 10:08	10/30/18 13:24	1
4,4'-DDD	**1.6**	**J**	1.9	0.58	ug/Kg		10/25/18 10:08	10/30/18 13:24	1
Endosulfan I	ND		1.9	0.30	ug/Kg		10/25/18 10:08	10/30/18 13:24	1
Endosulfan II	**0.73**	**J**	1.9	0.47	ug/Kg		10/25/18 10:08	10/30/18 13:24	1
alpha-BHC	ND		1.9	0.52	ug/Kg		10/25/18 10:08	10/30/18 13:24	1
beta-BHC	ND		1.9	0.34	ug/Kg		10/25/18 10:08	10/30/18 13:24	1
gamma-BHC (Lindane)	ND		1.9	0.60	ug/Kg		10/25/18 10:08	10/30/18 13:24	1
delta-BHC	ND		1.9	0.42	ug/Kg		10/25/18 10:08	10/30/18 13:24	1
Endosulfan sulfate	ND		1.9	0.36	ug/Kg		10/25/18 10:08	10/30/18 13:24	1
Methoxychlor	ND		1.9	0.65	ug/Kg		10/25/18 10:08	10/30/18 13:24	1
Toxaphene	**77**		38	6.5	ug/Kg		10/25/18 10:08	10/30/18 13:24	1
Chlordane (technical)	ND		38	3.0	ug/Kg		10/25/18 10:08	10/30/18 13:24	1
cis-Chlordane	ND		1.9	0.38	ug/Kg		10/25/18 10:08	10/30/18 13:24	1
trans-Chlordane	ND		1.9	0.44	ug/Kg		10/25/18 10:08	10/30/18 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*21 - 145*	*10/25/18 10:08*	*10/30/18 13:24*	*1*
DCB Decachlorobiphenyl	*88*		*21 - 136*	*10/25/18 10:08*	*10/30/18 13:24*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.0**		3.0	0.25	mg/Kg		10/25/18 17:50	10/26/18 17:30	4
Lead	**5.9**		1.5	0.31	mg/Kg		10/25/18 17:50	10/26/18 17:30	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-18
Date Collected: 10/23/18 15:44
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-18
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.48	ug/Kg		10/25/18 10:08	10/30/18 13:41	1
Dieldrin	ND		1.9	0.57	ug/Kg		10/25/18 10:08	10/30/18 13:41	1
Endrin aldehyde	ND		1.9	0.61	ug/Kg		10/25/18 10:08	10/30/18 13:41	1
Endrin	ND		1.9	0.45	ug/Kg		10/25/18 10:08	10/30/18 13:41	1
Endrin ketone	ND		1.9	0.32	ug/Kg		10/25/18 10:08	10/30/18 13:41	1
Heptachlor	ND		1.9	0.45	ug/Kg		10/25/18 10:08	10/30/18 13:41	1
Heptachlor epoxide	ND		1.9	0.34	ug/Kg		10/25/18 10:08	10/30/18 13:41	1
4,4'-DDT	**1.6**	**J**	1.9	0.40	ug/Kg		10/25/18 10:08	10/30/18 13:41	1
4,4'-DDE	**23**		1.9	0.41	ug/Kg		10/25/18 10:08	10/30/18 13:41	1
4,4'-DDD	**0.63**	**J**	1.9	0.59	ug/Kg		10/25/18 10:08	10/30/18 13:41	1
Endosulfan I	ND		1.9	0.31	ug/Kg		10/25/18 10:08	10/30/18 13:41	1
Endosulfan II	ND		1.9	0.48	ug/Kg		10/25/18 10:08	10/30/18 13:41	1
alpha-BHC	ND		1.9	0.53	ug/Kg		10/25/18 10:08	10/30/18 13:41	1
beta-BHC	ND		1.9	0.35	ug/Kg		10/25/18 10:08	10/30/18 13:41	1
gamma-BHC (Lindane)	ND		1.9	0.61	ug/Kg		10/25/18 10:08	10/30/18 13:41	1
delta-BHC	ND		1.9	0.43	ug/Kg		10/25/18 10:08	10/30/18 13:41	1
Endosulfan sulfate	ND		1.9	0.37	ug/Kg		10/25/18 10:08	10/30/18 13:41	1
Methoxychlor	ND		1.9	0.66	ug/Kg		10/25/18 10:08	10/30/18 13:41	1
Toxaphene	ND		39	6.6	ug/Kg		10/25/18 10:08	10/30/18 13:41	1
Chlordane (technical)	ND		39	3.1	ug/Kg		10/25/18 10:08	10/30/18 13:41	1
cis-Chlordane	ND		1.9	0.39	ug/Kg		10/25/18 10:08	10/30/18 13:41	1
trans-Chlordane	ND		1.9	0.45	ug/Kg		10/25/18 10:08	10/30/18 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*81*		*21 - 145*	*10/25/18 10:08*	*10/30/18 13:41*	*1*
DCB Decachlorobiphenyl	*89*		*21 - 136*	*10/25/18 10:08*	*10/30/18 13:41*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.1**	**J**	2.4	0.20	mg/Kg		10/25/18 17:50	10/26/18 17:34	4
Lead	**7.5**		1.2	0.25	mg/Kg		10/25/18 17:50	10/26/18 17:34	4

Client Sample ID: SB-19

Date Collected: 10/23/18 15:52
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-19

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.48	ug/Kg		10/25/18 10:08	10/30/18 13:59	1
Dieldrin	ND		1.9	0.57	ug/Kg		10/25/18 10:08	10/30/18 13:59	1
Endrin aldehyde	ND		1.9	0.61	ug/Kg		10/25/18 10:08	10/30/18 13:59	1
Endrin	ND		1.9	0.44	ug/Kg		10/25/18 10:08	10/30/18 13:59	1
Endrin ketone	ND		1.9	0.32	ug/Kg		10/25/18 10:08	10/30/18 13:59	1
Heptachlor	ND		1.9	0.44	ug/Kg		10/25/18 10:08	10/30/18 13:59	1
Heptachlor epoxide	ND		1.9	0.34	ug/Kg		10/25/18 10:08	10/30/18 13:59	1
4,4'-DDT	**3.8**	**p**	1.9	0.40	ug/Kg		10/25/18 10:08	10/30/18 13:59	1
4,4'-DDE	**47**		1.9	0.41	ug/Kg		10/25/18 10:08	10/30/18 13:59	1
4,4'-DDD	**1.5**	**J**	1.9	0.59	ug/Kg		10/25/18 10:08	10/30/18 13:59	1
Endosulfan I	ND		1.9	0.31	ug/Kg		10/25/18 10:08	10/30/18 13:59	1
Endosulfan II	ND		1.9	0.47	ug/Kg		10/25/18 10:08	10/30/18 13:59	1
alpha-BHC	ND		1.9	0.53	ug/Kg		10/25/18 10:08	10/30/18 13:59	1
beta-BHC	ND		1.9	0.35	ug/Kg		10/25/18 10:08	10/30/18 13:59	1
gamma-BHC (Lindane)	ND		1.9	0.61	ug/Kg		10/25/18 10:08	10/30/18 13:59	1
delta-BHC	ND		1.9	0.42	ug/Kg		10/25/18 10:08	10/30/18 13:59	1
Endosulfan sulfate	ND		1.9	0.37	ug/Kg		10/25/18 10:08	10/30/18 13:59	1
Methoxychlor	ND		1.9	0.66	ug/Kg		10/25/18 10:08	10/30/18 13:59	1
Toxaphene	**51**		39	6.6	ug/Kg		10/25/18 10:08	10/30/18 13:59	1
Chlordane (technical)	ND		39	3.1	ug/Kg		10/25/18 10:08	10/30/18 13:59	1
cis-Chlordane	ND		1.9	0.39	ug/Kg		10/25/18 10:08	10/30/18 13:59	1
trans-Chlordane	ND		1.9	0.44	ug/Kg		10/25/18 10:08	10/30/18 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*21 - 145*	*10/25/18 10:08*	*10/30/18 13:59*	*1*
DCB Decachlorobiphenyl	*89*		*21 - 136*	*10/25/18 10:08*	*10/30/18 13:59*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.4**	**J**	2.7	0.23	mg/Kg		10/25/18 17:50	10/26/18 17:39	4
Lead	**6.3**		1.3	0.28	mg/Kg		10/25/18 17:50	10/26/18 17:39	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-20
Date Collected: 10/23/18 16:03
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-20
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.48	ug/Kg		10/25/18 10:08	10/30/18 14:16	1
Dieldrin	ND		1.9	0.57	ug/Kg		10/25/18 10:08	10/30/18 14:16	1
Endrin aldehyde	ND		1.9	0.61	ug/Kg		10/25/18 10:08	10/30/18 14:16	1
Endrin	ND		1.9	0.44	ug/Kg		10/25/18 10:08	10/30/18 14:16	1
Endrin ketone	ND		1.9	0.32	ug/Kg		10/25/18 10:08	10/30/18 14:16	1
Heptachlor	ND		1.9	0.44	ug/Kg		10/25/18 10:08	10/30/18 14:16	1
Heptachlor epoxide	ND		1.9	0.34	ug/Kg		10/25/18 10:08	10/30/18 14:16	1
4,4'-DDT	**0.55**	**J**	1.9	0.40	ug/Kg		10/25/18 10:08	10/30/18 14:16	1
4,4'-DDE	**5.5**	**p**	1.9	0.41	ug/Kg		10/25/18 10:08	10/30/18 14:16	1
4,4'-DDD	ND		1.9	0.59	ug/Kg		10/25/18 10:08	10/30/18 14:16	1
Endosulfan I	ND		1.9	0.31	ug/Kg		10/25/18 10:08	10/30/18 14:16	1
Endosulfan II	ND		1.9	0.47	ug/Kg		10/25/18 10:08	10/30/18 14:16	1
alpha-BHC	ND		1.9	0.53	ug/Kg		10/25/18 10:08	10/30/18 14:16	1
beta-BHC	ND		1.9	0.35	ug/Kg		10/25/18 10:08	10/30/18 14:16	1
gamma-BHC (Lindane)	ND		1.9	0.61	ug/Kg		10/25/18 10:08	10/30/18 14:16	1
delta-BHC	ND		1.9	0.42	ug/Kg		10/25/18 10:08	10/30/18 14:16	1
Endosulfan sulfate	ND		1.9	0.37	ug/Kg		10/25/18 10:08	10/30/18 14:16	1
Methoxychlor	ND		1.9	0.66	ug/Kg		10/25/18 10:08	10/30/18 14:16	1
Toxaphene	ND		39	6.6	ug/Kg		10/25/18 10:08	10/30/18 14:16	1
Chlordane (technical)	ND		39	3.1	ug/Kg		10/25/18 10:08	10/30/18 14:16	1
cis-Chlordane	ND		1.9	0.39	ug/Kg		10/25/18 10:08	10/30/18 14:16	1
trans-Chlordane	ND		1.9	0.44	ug/Kg		10/25/18 10:08	10/30/18 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*21 - 145*	*10/25/18 10:08*	*10/30/18 14:16*	*1*
DCB Decachlorobiphenyl	*96*		*21 - 136*	*10/25/18 10:08*	*10/30/18 14:16*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.4**	**J**	3.4	0.29	mg/Kg		10/25/18 17:50	10/26/18 17:44	4
Lead	**6.6**		1.7	0.35	mg/Kg		10/25/18 17:50	10/26/18 17:44	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-21
Date Collected: 10/23/18 16:15
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-21
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.49	ug/Kg		10/29/18 09:02	10/30/18 12:46	1
Dieldrin	ND		2.0	0.58	ug/Kg		10/29/18 09:02	10/30/18 12:46	1
Endrin aldehyde	ND		2.0	0.62	ug/Kg		10/29/18 09:02	10/30/18 12:46	1
Endrin	ND		2.0	0.45	ug/Kg		10/29/18 09:02	10/30/18 12:46	1
Endrin ketone	ND		2.0	0.33	ug/Kg		10/29/18 09:02	10/30/18 12:46	1
Heptachlor	ND		2.0	0.45	ug/Kg		10/29/18 09:02	10/30/18 12:46	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		10/29/18 09:02	10/30/18 12:46	1
4,4'-DDT	**1.3**	**J p**	2.0	0.40	ug/Kg		10/29/18 09:02	10/30/18 12:46	1
4,4'-DDE	**12**	**p**	2.0	0.41	ug/Kg		10/29/18 09:02	10/30/18 12:46	1
4,4'-DDD	ND		2.0	0.60	ug/Kg		10/29/18 09:02	10/30/18 12:46	1
Endosulfan I	ND		2.0	0.32	ug/Kg		10/29/18 09:02	10/30/18 12:46	1
Endosulfan II	ND		2.0	0.48	ug/Kg		10/29/18 09:02	10/30/18 12:46	1
alpha-BHC	ND		2.0	0.54	ug/Kg		10/29/18 09:02	10/30/18 12:46	1
beta-BHC	ND		2.0	0.36	ug/Kg		10/29/18 09:02	10/30/18 12:46	1
gamma-BHC (Lindane)	ND		2.0	0.62	ug/Kg		10/29/18 09:02	10/30/18 12:46	1
delta-BHC	ND		2.0	0.43	ug/Kg		10/29/18 09:02	10/30/18 12:46	1
Endosulfan sulfate	ND		2.0	0.37	ug/Kg		10/29/18 09:02	10/30/18 12:46	1
Methoxychlor	ND		2.0	0.67	ug/Kg		10/29/18 09:02	10/30/18 12:46	1
Toxaphene	ND		39	6.7	ug/Kg		10/29/18 09:02	10/30/18 12:46	1
Chlordane (technical)	**9.3**	**J**	39	3.2	ug/Kg		10/29/18 09:02	10/30/18 12:46	1
cis-Chlordane	**0.49**	**J p**	2.0	0.39	ug/Kg		10/29/18 09:02	10/30/18 12:46	1
trans-Chlordane	**0.67**	**J p**	2.0	0.45	ug/Kg		10/29/18 09:02	10/30/18 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*21 - 145*	*10/29/18 09:02*	*10/30/18 12:46*	*1*
DCB Decachlorobiphenyl	*81*		*21 - 136*	*10/29/18 09:02*	*10/30/18 12:46*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.3**		3.2	0.27	mg/Kg		10/26/18 08:44	10/26/18 19:34	4
Lead	**7.4**		1.6	0.34	mg/Kg		10/26/18 08:44	10/29/18 20:34	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-22
Date Collected: 10/23/18 16:20
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-22
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.49	ug/Kg		10/29/18 09:02	10/30/18 08:43	1
Dieldrin	**2.1**	**p**	2.0	0.58	ug/Kg		10/29/18 09:02	10/30/18 08:43	1
Endrin aldehyde	ND		2.0	0.62	ug/Kg		10/29/18 09:02	10/30/18 08:43	1
Endrin	ND		2.0	0.45	ug/Kg		10/29/18 09:02	10/30/18 08:43	1
Endrin ketone	ND		2.0	0.32	ug/Kg		10/29/18 09:02	10/30/18 08:43	1
Heptachlor	ND		2.0	0.45	ug/Kg		10/29/18 09:02	10/30/18 08:43	1
Heptachlor epoxide	ND		2.0	0.34	ug/Kg		10/29/18 09:02	10/30/18 08:43	1
4,4'-DDT	**5.9**	**p**	2.0	0.40	ug/Kg		10/29/18 09:02	10/30/18 08:43	1
4,4'-DDE	**53**		2.0	0.41	ug/Kg		10/29/18 09:02	10/30/18 08:43	1
4,4'-DDD	**1.5**	**J**	2.0	0.60	ug/Kg		10/29/18 09:02	10/30/18 08:43	1
Endosulfan I	ND		2.0	0.31	ug/Kg		10/29/18 09:02	10/30/18 08:43	1
Endosulfan II	ND		2.0	0.48	ug/Kg		10/29/18 09:02	10/30/18 08:43	1
alpha-BHC	ND		2.0	0.54	ug/Kg		10/29/18 09:02	10/30/18 08:43	1
beta-BHC	ND		2.0	0.35	ug/Kg		10/29/18 09:02	10/30/18 08:43	1
gamma-BHC (Lindane)	ND		2.0	0.62	ug/Kg		10/29/18 09:02	10/30/18 08:43	1
delta-BHC	ND		2.0	0.43	ug/Kg		10/29/18 09:02	10/30/18 08:43	1
Endosulfan sulfate	ND		2.0	0.37	ug/Kg		10/29/18 09:02	10/30/18 08:43	1
Methoxychlor	ND		2.0	0.67	ug/Kg		10/29/18 09:02	10/30/18 08:43	1
Toxaphene	**72**		39	6.7	ug/Kg		10/29/18 09:02	10/30/18 08:43	1
Chlordane (technical)	ND		39	3.1	ug/Kg		10/29/18 09:02	10/30/18 08:43	1
cis-Chlordane	ND		2.0	0.39	ug/Kg		10/29/18 09:02	10/30/18 08:43	1
trans-Chlordane	ND		2.0	0.45	ug/Kg		10/29/18 09:02	10/30/18 08:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*21 - 145*	*10/29/18 09:02*	*10/30/18 08:43*	*1*
DCB Decachlorobiphenyl	*104*		*21 - 136*	*10/29/18 09:02*	*10/30/18 08:43*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.0**		2.6	0.22	mg/Kg		10/26/18 08:44	10/26/18 19:39	4
Lead	**6.6**		1.3	0.27	mg/Kg		10/26/18 08:44	10/29/18 20:38	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-23
Date Collected: 10/23/18 11:10
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-23
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.49	ug/Kg		10/29/18 09:02	10/30/18 09:00	1
Dieldrin	ND		2.0	0.58	ug/Kg		10/29/18 09:02	10/30/18 09:00	1
Endrin aldehyde	ND		2.0	0.62	ug/Kg		10/29/18 09:02	10/30/18 09:00	1
Endrin	ND		2.0	0.45	ug/Kg		10/29/18 09:02	10/30/18 09:00	1
Endrin ketone	ND		2.0	0.32	ug/Kg		10/29/18 09:02	10/30/18 09:00	1
Heptachlor	ND		2.0	0.45	ug/Kg		10/29/18 09:02	10/30/18 09:00	1
Heptachlor epoxide	ND		2.0	0.34	ug/Kg		10/29/18 09:02	10/30/18 09:00	1
4,4'-DDT	**5.2**	**p**	2.0	0.40	ug/Kg		10/29/18 09:02	10/30/18 09:00	1
4,4'-DDE	**38**		2.0	0.41	ug/Kg		10/29/18 09:02	10/30/18 09:00	1
4,4'-DDD	ND		2.0	0.60	ug/Kg		10/29/18 09:02	10/30/18 09:00	1
Endosulfan I	ND		2.0	0.31	ug/Kg		10/29/18 09:02	10/30/18 09:00	1
Endosulfan II	**0.63**	**J**	2.0	0.48	ug/Kg		10/29/18 09:02	10/30/18 09:00	1
alpha-BHC	ND		2.0	0.54	ug/Kg		10/29/18 09:02	10/30/18 09:00	1
beta-BHC	ND		2.0	0.35	ug/Kg		10/29/18 09:02	10/30/18 09:00	1
gamma-BHC (Lindane)	ND		2.0	0.62	ug/Kg		10/29/18 09:02	10/30/18 09:00	1
delta-BHC	ND		2.0	0.43	ug/Kg		10/29/18 09:02	10/30/18 09:00	1
Endosulfan sulfate	ND		2.0	0.37	ug/Kg		10/29/18 09:02	10/30/18 09:00	1
Methoxychlor	ND		2.0	0.66	ug/Kg		10/29/18 09:02	10/30/18 09:00	1
Toxaphene	ND		39	6.7	ug/Kg		10/29/18 09:02	10/30/18 09:00	1
Chlordane (technical)	ND		39	3.1	ug/Kg		10/29/18 09:02	10/30/18 09:00	1
cis-Chlordane	ND		2.0	0.39	ug/Kg		10/29/18 09:02	10/30/18 09:00	1
trans-Chlordane	ND		2.0	0.45	ug/Kg		10/29/18 09:02	10/30/18 09:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*21 - 145*	*10/29/18 09:02*	*10/30/18 09:00*	*1*
DCB Decachlorobiphenyl	*105*		*21 - 136*	*10/29/18 09:02*	*10/30/18 09:00*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.8**	**J**	3.1	0.26	mg/Kg		10/26/18 08:44	10/26/18 19:44	4
Lead	**7.8**		1.5	0.32	mg/Kg		10/26/18 08:44	10/29/18 20:43	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-24
Date Collected: 10/23/18 11:02
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-24
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.49	ug/Kg		10/29/18 09:02	10/30/18 09:18	1
Dieldrin	ND		1.9	0.58	ug/Kg		10/29/18 09:02	10/30/18 09:18	1
Endrin aldehyde	ND		1.9	0.61	ug/Kg		10/29/18 09:02	10/30/18 09:18	1
Endrin	ND		1.9	0.45	ug/Kg		10/29/18 09:02	10/30/18 09:18	1
Endrin ketone	ND		1.9	0.32	ug/Kg		10/29/18 09:02	10/30/18 09:18	1
Heptachlor	ND		1.9	0.45	ug/Kg		10/29/18 09:02	10/30/18 09:18	1
Heptachlor epoxide	ND		1.9	0.34	ug/Kg		10/29/18 09:02	10/30/18 09:18	1
4,4'-DDT	**4.4**	**p**	1.9	0.40	ug/Kg		10/29/18 09:02	10/30/18 09:18	1
4,4'-DDE	**31**	**p**	1.9	0.41	ug/Kg		10/29/18 09:02	10/30/18 09:18	1
4,4'-DDD	ND		1.9	0.59	ug/Kg		10/29/18 09:02	10/30/18 09:18	1
Endosulfan I	ND		1.9	0.31	ug/Kg		10/29/18 09:02	10/30/18 09:18	1
Endosulfan II	**0.49**	**J**	1.9	0.48	ug/Kg		10/29/18 09:02	10/30/18 09:18	1
alpha-BHC	ND		1.9	0.54	ug/Kg		10/29/18 09:02	10/30/18 09:18	1
beta-BHC	ND		1.9	0.35	ug/Kg		10/29/18 09:02	10/30/18 09:18	1
gamma-BHC (Lindane)	ND		1.9	0.61	ug/Kg		10/29/18 09:02	10/30/18 09:18	1
delta-BHC	ND		1.9	0.43	ug/Kg		10/29/18 09:02	10/30/18 09:18	1
Endosulfan sulfate	ND		1.9	0.37	ug/Kg		10/29/18 09:02	10/30/18 09:18	1
Methoxychlor	ND		1.9	0.66	ug/Kg		10/29/18 09:02	10/30/18 09:18	1
Toxaphene	ND		39	6.6	ug/Kg		10/29/18 09:02	10/30/18 09:18	1
Chlordane (technical)	ND		39	3.1	ug/Kg		10/29/18 09:02	10/30/18 09:18	1
cis-Chlordane	ND		1.9	0.39	ug/Kg		10/29/18 09:02	10/30/18 09:18	1
trans-Chlordane	ND		1.9	0.45	ug/Kg		10/29/18 09:02	10/30/18 09:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*21 - 145*	*10/29/18 09:02*	*10/30/18 09:18*	*1*
DCB Decachlorobiphenyl	*99*		*21 - 136*	*10/29/18 09:02*	*10/30/18 09:18*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.1**		2.0	0.17	mg/Kg		10/26/18 08:44	10/26/18 19:48	4
Lead	**5.5**		1.0	0.21	mg/Kg		10/26/18 08:44	10/29/18 20:48	4

Client Sample ID: SB-25
Date Collected: 10/23/18 10:46
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-25
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.48	ug/Kg		10/29/18 09:02	10/30/18 09:35	1
Dieldrin	ND		1.9	0.57	ug/Kg		10/29/18 09:02	10/30/18 09:35	1
Endrin aldehyde	ND		1.9	0.61	ug/Kg		10/29/18 09:02	10/30/18 09:35	1
Endrin	ND		1.9	0.44	ug/Kg		10/29/18 09:02	10/30/18 09:35	1
Endrin ketone	ND		1.9	0.32	ug/Kg		10/29/18 09:02	10/30/18 09:35	1
Heptachlor	ND		1.9	0.44	ug/Kg		10/29/18 09:02	10/30/18 09:35	1
Heptachlor epoxide	ND		1.9	0.34	ug/Kg		10/29/18 09:02	10/30/18 09:35	1
4,4'-DDT	**3.6**	**p**	1.9	0.40	ug/Kg		10/29/18 09:02	10/30/18 09:35	1
4,4'-DDE	**27**	**p**	1.9	0.41	ug/Kg		10/29/18 09:02	10/30/18 09:35	1
4,4'-DDD	ND		1.9	0.59	ug/Kg		10/29/18 09:02	10/30/18 09:35	1
Endosulfan I	ND		1.9	0.31	ug/Kg		10/29/18 09:02	10/30/18 09:35	1
Endosulfan II	**0.67**	**J**	1.9	0.47	ug/Kg		10/29/18 09:02	10/30/18 09:35	1
alpha-BHC	ND		1.9	0.53	ug/Kg		10/29/18 09:02	10/30/18 09:35	1
beta-BHC	ND		1.9	0.35	ug/Kg		10/29/18 09:02	10/30/18 09:35	1
gamma-BHC (Lindane)	ND		1.9	0.61	ug/Kg		10/29/18 09:02	10/30/18 09:35	1
delta-BHC	ND		1.9	0.43	ug/Kg		10/29/18 09:02	10/30/18 09:35	1
Endosulfan sulfate	ND		1.9	0.37	ug/Kg		10/29/18 09:02	10/30/18 09:35	1
Methoxychlor	ND		1.9	0.66	ug/Kg		10/29/18 09:02	10/30/18 09:35	1
Toxaphene	ND		39	6.6	ug/Kg		10/29/18 09:02	10/30/18 09:35	1
Chlordane (technical)	ND		39	3.1	ug/Kg		10/29/18 09:02	10/30/18 09:35	1
cis-Chlordane	ND		1.9	0.39	ug/Kg		10/29/18 09:02	10/30/18 09:35	1
trans-Chlordane	ND		1.9	0.44	ug/Kg		10/29/18 09:02	10/30/18 09:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*21 - 145*	*10/29/18 09:02*	*10/30/18 09:35*	*1*
DCB Decachlorobiphenyl	*93*		*21 - 136*	*10/29/18 09:02*	*10/30/18 09:35*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.2**		2.2	0.19	mg/Kg		10/26/18 08:44	10/26/18 19:53	4
Lead	**5.9**		1.1	0.23	mg/Kg		10/26/18 08:44	10/29/18 20:52	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-26
Date Collected: 10/23/18 10:20
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-26
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.48	ug/Kg		10/29/18 09:02	10/30/18 09:53	1
Dieldrin	ND		1.9	0.57	ug/Kg		10/29/18 09:02	10/30/18 09:53	1
Endrin aldehyde	ND		1.9	0.61	ug/Kg		10/29/18 09:02	10/30/18 09:53	1
Endrin	ND		1.9	0.44	ug/Kg		10/29/18 09:02	10/30/18 09:53	1
Endrin ketone	ND		1.9	0.32	ug/Kg		10/29/18 09:02	10/30/18 09:53	1
Heptachlor	ND		1.9	0.44	ug/Kg		10/29/18 09:02	10/30/18 09:53	1
Heptachlor epoxide	ND		1.9	0.34	ug/Kg		10/29/18 09:02	10/30/18 09:53	1
4,4'-DDT	**3.8**	**p**	1.9	0.39	ug/Kg		10/29/18 09:02	10/30/18 09:53	1
4,4'-DDE	**27**	**p**	1.9	0.40	ug/Kg		10/29/18 09:02	10/30/18 09:53	1
4,4'-DDD	ND		1.9	0.59	ug/Kg		10/29/18 09:02	10/30/18 09:53	1
Endosulfan I	ND		1.9	0.31	ug/Kg		10/29/18 09:02	10/30/18 09:53	1
Endosulfan II	**0.76**	**J**	1.9	0.47	ug/Kg		10/29/18 09:02	10/30/18 09:53	1
alpha-BHC	ND		1.9	0.53	ug/Kg		10/29/18 09:02	10/30/18 09:53	1
beta-BHC	ND		1.9	0.35	ug/Kg		10/29/18 09:02	10/30/18 09:53	1
gamma-BHC (Lindane)	ND		1.9	0.61	ug/Kg		10/29/18 09:02	10/30/18 09:53	1
delta-BHC	ND		1.9	0.42	ug/Kg		10/29/18 09:02	10/30/18 09:53	1
Endosulfan sulfate	ND		1.9	0.37	ug/Kg		10/29/18 09:02	10/30/18 09:53	1
Methoxychlor	ND		1.9	0.66	ug/Kg		10/29/18 09:02	10/30/18 09:53	1
Toxaphene	ND		39	6.6	ug/Kg		10/29/18 09:02	10/30/18 09:53	1
Chlordane (technical)	ND		39	3.1	ug/Kg		10/29/18 09:02	10/30/18 09:53	1
cis-Chlordane	ND		1.9	0.39	ug/Kg		10/29/18 09:02	10/30/18 09:53	1
trans-Chlordane	ND		1.9	0.44	ug/Kg		10/29/18 09:02	10/30/18 09:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*88*		*21 - 145*	*10/29/18 09:02*	*10/30/18 09:53*	*1*
DCB Decachlorobiphenyl	*98*		*21 - 136*	*10/29/18 09:02*	*10/30/18 09:53*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.6**	**J**	2.8	0.24	mg/Kg		10/26/18 08:44	10/26/18 20:07	4
Lead	**6.5**		1.4	0.29	mg/Kg		10/26/18 08:44	10/26/18 20:07	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-27
Date Collected: 10/23/18 10:05
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-27
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		10/29/18 09:02	10/30/18 10:10	1
Dieldrin	ND		2.0	0.59	ug/Kg		10/29/18 09:02	10/30/18 10:10	1
Endrin aldehyde	ND		2.0	0.63	ug/Kg		10/29/18 09:02	10/30/18 10:10	1
Endrin	ND		2.0	0.46	ug/Kg		10/29/18 09:02	10/30/18 10:10	1
Endrin ketone	ND		2.0	0.33	ug/Kg		10/29/18 09:02	10/30/18 10:10	1
Heptachlor	ND		2.0	0.46	ug/Kg		10/29/18 09:02	10/30/18 10:10	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		10/29/18 09:02	10/30/18 10:10	1
4,4'-DDT	**2.6**	**p**	2.0	0.41	ug/Kg		10/29/18 09:02	10/30/18 10:10	1
4,4'-DDE	**25**	**p**	2.0	0.42	ug/Kg		10/29/18 09:02	10/30/18 10:10	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		10/29/18 09:02	10/30/18 10:10	1
Endosulfan I	ND		2.0	0.32	ug/Kg		10/29/18 09:02	10/30/18 10:10	1
Endosulfan II	**0.62**	**J**	2.0	0.49	ug/Kg		10/29/18 09:02	10/30/18 10:10	1
alpha-BHC	ND		2.0	0.55	ug/Kg		10/29/18 09:02	10/30/18 10:10	1
beta-BHC	ND		2.0	0.36	ug/Kg		10/29/18 09:02	10/30/18 10:10	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		10/29/18 09:02	10/30/18 10:10	1
delta-BHC	ND		2.0	0.44	ug/Kg		10/29/18 09:02	10/30/18 10:10	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		10/29/18 09:02	10/30/18 10:10	1
Methoxychlor	ND		2.0	0.67	ug/Kg		10/29/18 09:02	10/30/18 10:10	1
Toxaphene	ND		40	6.8	ug/Kg		10/29/18 09:02	10/30/18 10:10	1
Chlordane (technical)	ND		40	3.2	ug/Kg		10/29/18 09:02	10/30/18 10:10	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		10/29/18 09:02	10/30/18 10:10	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		10/29/18 09:02	10/30/18 10:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*21 - 145*	*10/29/18 09:02*	*10/30/18 10:10*	*1*
DCB Decachlorobiphenyl	*94*		*21 - 136*	*10/29/18 09:02*	*10/30/18 10:10*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.1**	**J**	2.2	0.19	mg/Kg		10/26/18 08:44	10/26/18 20:12	4
Lead	**5.8**		1.1	0.23	mg/Kg		10/26/18 08:44	10/26/18 20:12	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-28
Date Collected: 10/23/18 09:53
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-28
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.49	ug/Kg		10/25/18 12:36	10/30/18 11:21	1
Dieldrin	ND		2.0	0.58	ug/Kg		10/25/18 12:36	10/30/18 11:21	1
Endrin aldehyde	ND		2.0	0.62	ug/Kg		10/25/18 12:36	10/30/18 11:21	1
Endrin	ND		2.0	0.45	ug/Kg		10/25/18 12:36	10/30/18 11:21	1
Endrin ketone	ND		2.0	0.33	ug/Kg		10/25/18 12:36	10/30/18 11:21	1
Heptachlor	ND		2.0	0.45	ug/Kg		10/25/18 12:36	10/30/18 11:21	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		10/25/18 12:36	10/30/18 11:21	1
4,4'-DDT	**2.1**	**p**	2.0	0.40	ug/Kg		10/25/18 12:36	10/30/18 11:21	1
4,4'-DDE	**29**		2.0	0.41	ug/Kg		10/25/18 12:36	10/30/18 11:21	1
4,4'-DDD	ND		2.0	0.60	ug/Kg		10/25/18 12:36	10/30/18 11:21	1
Endosulfan I	ND		2.0	0.32	ug/Kg		10/25/18 12:36	10/30/18 11:21	1
Endosulfan II	**0.76**	**J**	2.0	0.48	ug/Kg		10/25/18 12:36	10/30/18 11:21	1
alpha-BHC	ND		2.0	0.54	ug/Kg		10/25/18 12:36	10/30/18 11:21	1
beta-BHC	ND		2.0	0.36	ug/Kg		10/25/18 12:36	10/30/18 11:21	1
gamma-BHC (Lindane)	ND		2.0	0.62	ug/Kg		10/25/18 12:36	10/30/18 11:21	1
delta-BHC	ND		2.0	0.43	ug/Kg		10/25/18 12:36	10/30/18 11:21	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		10/25/18 12:36	10/30/18 11:21	1
Methoxychlor	ND		2.0	0.67	ug/Kg		10/25/18 12:36	10/30/18 11:21	1
Toxaphene	ND		39	6.7	ug/Kg		10/25/18 12:36	10/30/18 11:21	1
Chlordane (technical)	ND		39	3.2	ug/Kg		10/25/18 12:36	10/30/18 11:21	1
cis-Chlordane	ND		2.0	0.39	ug/Kg		10/25/18 12:36	10/30/18 11:21	1
trans-Chlordane	ND		2.0	0.45	ug/Kg		10/25/18 12:36	10/30/18 11:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*21 - 145*	*10/25/18 12:36*	*10/30/18 11:21*	*1*
DCB Decachlorobiphenyl	*99*		*21 - 136*	*10/25/18 12:36*	*10/30/18 11:21*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.2**	**J**	2.9	0.25	mg/Kg		10/25/18 11:12	10/30/18 17:31	4
Lead	**5.5**		1.5	0.31	mg/Kg		10/25/18 11:12	10/30/18 17:31	4

Client Sample ID: SB-29

Date Collected: 10/23/18 08:53
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-29

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		9.5	2.4	ug/Kg		10/25/18 12:36	10/31/18 08:27	5
Dieldrin	ND		9.5	2.8	ug/Kg		10/25/18 12:36	10/31/18 08:27	5
Endrin aldehyde	ND		9.5	3.0	ug/Kg		10/25/18 12:36	10/31/18 08:27	5
Endrin	ND		9.5	2.2	ug/Kg		10/25/18 12:36	10/31/18 08:27	5
Endrin ketone	ND		9.5	1.6	ug/Kg		10/25/18 12:36	10/31/18 08:27	5
Heptachlor	ND		9.5	2.2	ug/Kg		10/25/18 12:36	10/31/18 08:27	5
Heptachlor epoxide	ND		9.5	1.7	ug/Kg		10/25/18 12:36	10/31/18 08:27	5
4,4'-DDT	**1200**		9.5	1.9	ug/Kg		10/25/18 12:36	10/31/18 08:27	5
4,4'-DDE	**33**	**p**	9.5	2.0	ug/Kg		10/25/18 12:36	10/31/18 08:27	5
4,4'-DDD	**35**		9.5	2.9	ug/Kg		10/25/18 12:36	10/31/18 08:27	5
Endosulfan I	ND		9.5	1.5	ug/Kg		10/25/18 12:36	10/31/18 08:27	5
Endosulfan II	ND		9.5	2.3	ug/Kg		10/25/18 12:36	10/31/18 08:27	5
alpha-BHC	ND		9.5	2.6	ug/Kg		10/25/18 12:36	10/31/18 08:27	5
beta-BHC	ND		9.5	1.7	ug/Kg		10/25/18 12:36	10/31/18 08:27	5
gamma-BHC (Lindane)	ND		9.5	3.0	ug/Kg		10/25/18 12:36	10/31/18 08:27	5
delta-BHC	ND		9.5	2.1	ug/Kg		10/25/18 12:36	10/31/18 08:27	5
Endosulfan sulfate	ND		9.5	1.8	ug/Kg		10/25/18 12:36	10/31/18 08:27	5
Methoxychlor	ND		9.5	3.2	ug/Kg		10/25/18 12:36	10/31/18 08:27	5
Toxaphene	**120**	**J**	190	32	ug/Kg		10/25/18 12:36	10/31/18 08:27	5
Chlordane (technical)	ND		190	15	ug/Kg		10/25/18 12:36	10/31/18 08:27	5
cis-Chlordane	ND		9.5	1.9	ug/Kg		10/25/18 12:36	10/31/18 08:27	5
trans-Chlordane	ND		9.5	2.2	ug/Kg		10/25/18 12:36	10/31/18 08:27	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*21 - 145*	*10/25/18 12:36*	*10/31/18 08:27*	*5*
DCB Decachlorobiphenyl	*108*		*21 - 136*	*10/25/18 12:36*	*10/31/18 08:27*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.3**	**J**	2.4	0.20	mg/Kg		10/25/18 11:12	10/30/18 17:36	4
Lead	**6.6**		1.2	0.25	mg/Kg		10/25/18 11:12	10/30/18 17:36	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-30
Date Collected: 10/23/18 09:10
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-30
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.49	ug/Kg		10/25/18 12:36	10/31/18 08:11	1
Dieldrin	ND		2.0	0.58	ug/Kg		10/25/18 12:36	10/31/18 08:11	1
Endrin aldehyde	ND		2.0	0.62	ug/Kg		10/25/18 12:36	10/31/18 08:11	1
Endrin	ND		2.0	0.45	ug/Kg		10/25/18 12:36	10/31/18 08:11	1
Endrin ketone	ND		2.0	0.32	ug/Kg		10/25/18 12:36	10/31/18 08:11	1
Heptachlor	ND		2.0	0.45	ug/Kg		10/25/18 12:36	10/31/18 08:11	1
Heptachlor epoxide	ND		2.0	0.34	ug/Kg		10/25/18 12:36	10/31/18 08:11	1
4,4'-DDT	**4.3**		2.0	0.40	ug/Kg		10/25/18 12:36	10/31/18 08:11	1
4,4'-DDE	**29**		2.0	0.41	ug/Kg		10/25/18 12:36	10/31/18 08:11	1
4,4'-DDD	ND		2.0	0.60	ug/Kg		10/25/18 12:36	10/31/18 08:11	1
Endosulfan I	ND		2.0	0.31	ug/Kg		10/25/18 12:36	10/31/18 08:11	1
Endosulfan II	**0.93**	**J p**	2.0	0.48	ug/Kg		10/25/18 12:36	10/31/18 08:11	1
alpha-BHC	ND		2.0	0.54	ug/Kg		10/25/18 12:36	10/31/18 08:11	1
beta-BHC	ND		2.0	0.35	ug/Kg		10/25/18 12:36	10/31/18 08:11	1
gamma-BHC (Lindane)	ND		2.0	0.62	ug/Kg		10/25/18 12:36	10/31/18 08:11	1
delta-BHC	ND		2.0	0.43	ug/Kg		10/25/18 12:36	10/31/18 08:11	1
Endosulfan sulfate	ND		2.0	0.37	ug/Kg		10/25/18 12:36	10/31/18 08:11	1
Methoxychlor	ND		2.0	0.67	ug/Kg		10/25/18 12:36	10/31/18 08:11	1
Toxaphene	**26**	**J**	39	6.7	ug/Kg		10/25/18 12:36	10/31/18 08:11	1
Chlordane (technical)	ND		39	3.1	ug/Kg		10/25/18 12:36	10/31/18 08:11	1
cis-Chlordane	ND		2.0	0.39	ug/Kg		10/25/18 12:36	10/31/18 08:11	1
trans-Chlordane	ND		2.0	0.45	ug/Kg		10/25/18 12:36	10/31/18 08:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*81*		*21 - 145*	*10/25/18 12:36*	*10/31/18 08:11*	*1*
DCB Decachlorobiphenyl	*99*		*21 - 136*	*10/25/18 12:36*	*10/31/18 08:11*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.5**		2.1	0.17	mg/Kg		10/25/18 11:12	10/30/18 17:40	4
Lead	**6.3**		1.0	0.22	mg/Kg		10/25/18 11:12	10/30/18 17:40	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-31
Date Collected: 10/23/18 09:20
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-31
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		10/25/18 12:36	10/30/18 11:04	1
Dieldrin	ND		2.0	0.58	ug/Kg		10/25/18 12:36	10/30/18 11:04	1
Endrin aldehyde	ND		2.0	0.62	ug/Kg		10/25/18 12:36	10/30/18 11:04	1
Endrin	ND		2.0	0.46	ug/Kg		10/25/18 12:36	10/30/18 11:04	1
Endrin ketone	ND		2.0	0.33	ug/Kg		10/25/18 12:36	10/30/18 11:04	1
Heptachlor	ND		2.0	0.46	ug/Kg		10/25/18 12:36	10/30/18 11:04	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		10/25/18 12:36	10/30/18 11:04	1
4,4'-DDT	**3.4**	**p**	2.0	0.41	ug/Kg		10/25/18 12:36	10/30/18 11:04	1
4,4'-DDE	**30**	**F1**	2.0	0.42	ug/Kg		10/25/18 12:36	10/30/18 11:04	1
4,4'-DDD	ND		2.0	0.60	ug/Kg		10/25/18 12:36	10/30/18 11:04	1
Endosulfan I	ND		2.0	0.32	ug/Kg		10/25/18 12:36	10/30/18 11:04	1
Endosulfan II	**1.6**	**J**	2.0	0.49	ug/Kg		10/25/18 12:36	10/30/18 11:04	1
alpha-BHC	ND		2.0	0.54	ug/Kg		10/25/18 12:36	10/30/18 11:04	1
beta-BHC	ND		2.0	0.36	ug/Kg		10/25/18 12:36	10/30/18 11:04	1
gamma-BHC (Lindane)	ND		2.0	0.62	ug/Kg		10/25/18 12:36	10/30/18 11:04	1
delta-BHC	ND		2.0	0.44	ug/Kg		10/25/18 12:36	10/30/18 11:04	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		10/25/18 12:36	10/30/18 11:04	1
Methoxychlor	ND		2.0	0.67	ug/Kg		10/25/18 12:36	10/30/18 11:04	1
Toxaphene	ND		40	6.7	ug/Kg		10/25/18 12:36	10/30/18 11:04	1
Chlordane (technical)	ND		40	3.2	ug/Kg		10/25/18 12:36	10/30/18 11:04	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		10/25/18 12:36	10/30/18 11:04	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		10/25/18 12:36	10/30/18 11:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*21 - 145*	*10/25/18 12:36*	*10/30/18 11:04*	*1*
DCB Decachlorobiphenyl	*99*		*21 - 136*	*10/25/18 12:36*	*10/30/18 11:04*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.1**		2.9	0.25	mg/Kg		10/25/18 11:12	10/30/18 17:45	4
Lead	**6.7**		1.5	0.31	mg/Kg		10/25/18 11:12	10/30/18 17:45	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-32
Date Collected: 10/23/18 10:33
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-32
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.49	ug/Kg		10/25/18 12:36	10/30/18 12:14	1
Dieldrin	ND		2.0	0.58	ug/Kg		10/25/18 12:36	10/30/18 12:14	1
Endrin aldehyde	ND		2.0	0.62	ug/Kg		10/25/18 12:36	10/30/18 12:14	1
Endrin	ND		2.0	0.45	ug/Kg		10/25/18 12:36	10/30/18 12:14	1
Endrin ketone	ND		2.0	0.33	ug/Kg		10/25/18 12:36	10/30/18 12:14	1
Heptachlor	ND		2.0	0.45	ug/Kg		10/25/18 12:36	10/30/18 12:14	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		10/25/18 12:36	10/30/18 12:14	1
4,4'-DDT	**3.6**	**p**	2.0	0.41	ug/Kg		10/25/18 12:36	10/30/18 12:14	1
4,4'-DDE	**35**		2.0	0.42	ug/Kg		10/25/18 12:36	10/30/18 12:14	1
4,4'-DDD	ND		2.0	0.60	ug/Kg		10/25/18 12:36	10/30/18 12:14	1
Endosulfan I	ND		2.0	0.32	ug/Kg		10/25/18 12:36	10/30/18 12:14	1
Endosulfan II	**0.80**	**J**	2.0	0.48	ug/Kg		10/25/18 12:36	10/30/18 12:14	1
alpha-BHC	ND		2.0	0.54	ug/Kg		10/25/18 12:36	10/30/18 12:14	1
beta-BHC	ND		2.0	0.36	ug/Kg		10/25/18 12:36	10/30/18 12:14	1
gamma-BHC (Lindane)	ND		2.0	0.62	ug/Kg		10/25/18 12:36	10/30/18 12:14	1
delta-BHC	ND		2.0	0.43	ug/Kg		10/25/18 12:36	10/30/18 12:14	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		10/25/18 12:36	10/30/18 12:14	1
Methoxychlor	ND		2.0	0.67	ug/Kg		10/25/18 12:36	10/30/18 12:14	1
Toxaphene	ND		40	6.7	ug/Kg		10/25/18 12:36	10/30/18 12:14	1
Chlordane (technical)	ND		40	3.2	ug/Kg		10/25/18 12:36	10/30/18 12:14	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		10/25/18 12:36	10/30/18 12:14	1
trans-Chlordane	ND		2.0	0.45	ug/Kg		10/25/18 12:36	10/30/18 12:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*21 - 145*	*10/25/18 12:36*	*10/30/18 12:14*	*1*
DCB Decachlorobiphenyl	*97*		*21 - 136*	*10/25/18 12:36*	*10/30/18 12:14*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.9**	**J**	3.6	0.31	mg/Kg		10/25/18 11:12	10/30/18 17:59	4
Lead	**7.2**		1.8	0.38	mg/Kg		10/25/18 11:12	10/30/18 17:59	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-33
Date Collected: 10/23/18 09:34
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-33
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.49	ug/Kg		10/25/18 12:36	10/30/18 12:31	1
Dieldrin	ND		1.9	0.57	ug/Kg		10/25/18 12:36	10/30/18 12:31	1
Endrin aldehyde	ND		1.9	0.61	ug/Kg		10/25/18 12:36	10/30/18 12:31	1
Endrin	ND		1.9	0.45	ug/Kg		10/25/18 12:36	10/30/18 12:31	1
Endrin ketone	ND		1.9	0.32	ug/Kg		10/25/18 12:36	10/30/18 12:31	1
Heptachlor	ND		1.9	0.45	ug/Kg		10/25/18 12:36	10/30/18 12:31	1
Heptachlor epoxide	ND		1.9	0.34	ug/Kg		10/25/18 12:36	10/30/18 12:31	1
4,4'-DDT	**5.3**	**p**	1.9	0.40	ug/Kg		10/25/18 12:36	10/30/18 12:31	1
4,4'-DDE	**53**		1.9	0.41	ug/Kg		10/25/18 12:36	10/30/18 12:31	1
4,4'-DDD	**1.3**	**J**	1.9	0.59	ug/Kg		10/25/18 12:36	10/30/18 12:31	1
Endosulfan I	ND		1.9	0.31	ug/Kg		10/25/18 12:36	10/30/18 12:31	1
Endosulfan II	**1.1**	**J**	1.9	0.48	ug/Kg		10/25/18 12:36	10/30/18 12:31	1
alpha-BHC	ND		1.9	0.54	ug/Kg		10/25/18 12:36	10/30/18 12:31	1
beta-BHC	ND		1.9	0.35	ug/Kg		10/25/18 12:36	10/30/18 12:31	1
gamma-BHC (Lindane)	ND		1.9	0.61	ug/Kg		10/25/18 12:36	10/30/18 12:31	1
delta-BHC	ND		1.9	0.43	ug/Kg		10/25/18 12:36	10/30/18 12:31	1
Endosulfan sulfate	ND		1.9	0.37	ug/Kg		10/25/18 12:36	10/30/18 12:31	1
Methoxychlor	ND		1.9	0.66	ug/Kg		10/25/18 12:36	10/30/18 12:31	1
Toxaphene	ND		39	6.6	ug/Kg		10/25/18 12:36	10/30/18 12:31	1
Chlordane (technical)	ND		39	3.1	ug/Kg		10/25/18 12:36	10/30/18 12:31	1
cis-Chlordane	ND		1.9	0.39	ug/Kg		10/25/18 12:36	10/30/18 12:31	1
trans-Chlordane	ND		1.9	0.45	ug/Kg		10/25/18 12:36	10/30/18 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*98*		*21 - 145*	*10/25/18 12:36*	*10/30/18 12:31*	*1*
DCB Decachlorobiphenyl	*87*		*21 - 136*	*10/25/18 12:36*	*10/30/18 12:31*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.0**	**J**	3.3	0.28	mg/Kg		10/25/18 11:12	10/30/18 18:04	4
Lead	**7.6**		1.6	0.34	mg/Kg		10/25/18 11:12	10/30/18 18:04	4

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-34
Date Collected: 10/23/18 09:42
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-34
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.49	ug/Kg		10/25/18 12:36	10/30/18 12:49	1
Dieldrin	ND		1.9	0.57	ug/Kg		10/25/18 12:36	10/30/18 12:49	1
Endrin aldehyde	ND		1.9	0.61	ug/Kg		10/25/18 12:36	10/30/18 12:49	1
Endrin	ND		1.9	0.45	ug/Kg		10/25/18 12:36	10/30/18 12:49	1
Endrin ketone	ND		1.9	0.32	ug/Kg		10/25/18 12:36	10/30/18 12:49	1
Heptachlor	ND		1.9	0.45	ug/Kg		10/25/18 12:36	10/30/18 12:49	1
Heptachlor epoxide	ND		1.9	0.34	ug/Kg		10/25/18 12:36	10/30/18 12:49	1
4,4'-DDT	**4.5**	**p**	1.9	0.40	ug/Kg		10/25/18 12:36	10/30/18 12:49	1
4,4'-DDE	**46**		1.9	0.41	ug/Kg		10/25/18 12:36	10/30/18 12:49	1
4,4'-DDD	**1.1**	**J**	1.9	0.59	ug/Kg		10/25/18 12:36	10/30/18 12:49	1
Endosulfan I	ND		1.9	0.31	ug/Kg		10/25/18 12:36	10/30/18 12:49	1
Endosulfan II	**1.2**	**J**	1.9	0.48	ug/Kg		10/25/18 12:36	10/30/18 12:49	1
alpha-BHC	ND		1.9	0.54	ug/Kg		10/25/18 12:36	10/30/18 12:49	1
beta-BHC	ND		1.9	0.35	ug/Kg		10/25/18 12:36	10/30/18 12:49	1
gamma-BHC (Lindane)	ND		1.9	0.61	ug/Kg		10/25/18 12:36	10/30/18 12:49	1
delta-BHC	ND		1.9	0.43	ug/Kg		10/25/18 12:36	10/30/18 12:49	1
Endosulfan sulfate	ND		1.9	0.37	ug/Kg		10/25/18 12:36	10/30/18 12:49	1
Methoxychlor	ND		1.9	0.66	ug/Kg		10/25/18 12:36	10/30/18 12:49	1
Toxaphene	ND		39	6.6	ug/Kg		10/25/18 12:36	10/30/18 12:49	1
Chlordane (technical)	ND		39	3.1	ug/Kg		10/25/18 12:36	10/30/18 12:49	1
cis-Chlordane	ND		1.9	0.39	ug/Kg		10/25/18 12:36	10/30/18 12:49	1
trans-Chlordane	ND		1.9	0.45	ug/Kg		10/25/18 12:36	10/30/18 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*98*		*21 - 145*	*10/25/18 12:36*	*10/30/18 12:49*	*1*
DCB Decachlorobiphenyl	*84*		*21 - 136*	*10/25/18 12:36*	*10/30/18 12:49*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.5**	**J**	3.8	0.32	mg/Kg		10/25/18 11:12	10/30/18 18:08	4
Lead	**7.1**		1.9	0.40	mg/Kg		10/25/18 11:12	10/30/18 18:08	4

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX2 (21-145)	DCBP1 (21-136)
720-89327-1	SB-01	93	89
720-89327-10	SB-10	84	104
720-89327-27	SB-27	87	94
720-89327-31 MS	SB-31	89	91
720-89327-33	SB-33	98	87
LCS 720-254257/2-A	Lab Control Sample	89	98
MB 720-254124/1-A	Method Blank	95	110

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX1 (21-145)	DCBP1 (21-136)
720-89327-1 MS	SB-01	100	93
720-89327-2	SB-02	96	94
720-89327-3	SB-03	87	89
720-89327-4	SB-04	90	94
720-89327-5	SB-05	91	93
720-89327-6	SB-06	93	91
720-89327-7	SB-07	86	83
720-89327-8	SB-08	89	88
720-89327-9	SB-09	87	93
720-89327-11	SB-11	78	86
720-89327-22	SB-22	93	104
720-89327-30	SB-30	81	99
720-89327-32	SB-32	92	97
720-89327-34	SB-34	98	84
MB 720-254103/1-A	Method Blank	80	99

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX2 (21-145)	DCBP2 (21-136)
720-89327-1 MSD	SB-01	102	101
720-89327-17	SB-17	82	88
720-89327-18	SB-18	81	89
720-89327-21	SB-21	90	81
720-89327-23	SB-23	93	105
720-89327-24	SB-24	92	99

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX2 (21-145)	DCBP2 (21-136)
720-89327-25	SB-25	85	93
720-89327-26	SB-26	88	98
720-89327-29	SB-29	89	108
720-89327-31	SB-31	93	99
720-89327-31 MSD	SB-31	85	99
LCS 720-254103/2-A	Lab Control Sample	93	112
LCS 720-254124/2-A	Lab Control Sample	92	107
MB 720-254257/1-A	Method Blank	87	100

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX1 (21-145)	DCBP2 (21-136)
720-89327-12	SB-12	77	96
720-89327-13	SB-13	72	98
720-89327-14	SB-14	76	95
720-89327-15	SB-15	78	94
720-89327-16	SB-16	92	96
720-89327-19	SB-19	84	89
720-89327-20	SB-20	90	96
720-89327-28	SB-28	91	99

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 720-254103/1-A
Matrix: Solid
Analysis Batch: 254215

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 254103

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		10/25/18 10:08	10/27/18 16:34	1
Dieldrin	ND		2.0	0.59	ug/Kg		10/25/18 10:08	10/27/18 16:34	1
Endrin aldehyde	ND		2.0	0.63	ug/Kg		10/25/18 10:08	10/27/18 16:34	1
Endrin	ND		2.0	0.46	ug/Kg		10/25/18 10:08	10/27/18 16:34	1
Endrin ketone	ND		2.0	0.33	ug/Kg		10/25/18 10:08	10/27/18 16:34	1
Heptachlor	ND		2.0	0.46	ug/Kg		10/25/18 10:08	10/27/18 16:34	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		10/25/18 10:08	10/27/18 16:34	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		10/25/18 10:08	10/27/18 16:34	1
4,4'-DDE	ND		2.0	0.42	ug/Kg		10/25/18 10:08	10/27/18 16:34	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		10/25/18 10:08	10/27/18 16:34	1
Endosulfan I	ND		2.0	0.32	ug/Kg		10/25/18 10:08	10/27/18 16:34	1
Endosulfan II	ND		2.0	0.49	ug/Kg		10/25/18 10:08	10/27/18 16:34	1
alpha-BHC	ND		2.0	0.55	ug/Kg		10/25/18 10:08	10/27/18 16:34	1
beta-BHC	ND		2.0	0.36	ug/Kg		10/25/18 10:08	10/27/18 16:34	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		10/25/18 10:08	10/27/18 16:34	1
delta-BHC	ND		2.0	0.44	ug/Kg		10/25/18 10:08	10/27/18 16:34	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		10/25/18 10:08	10/27/18 16:34	1
Methoxychlor	ND		2.0	0.68	ug/Kg		10/25/18 10:08	10/27/18 16:34	1
Toxaphene	ND		40	6.8	ug/Kg		10/25/18 10:08	10/27/18 16:34	1
Chlordane (technical)	ND		40	3.2	ug/Kg		10/25/18 10:08	10/27/18 16:34	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		10/25/18 10:08	10/27/18 16:34	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		10/25/18 10:08	10/27/18 16:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*21 - 145*	*10/25/18 10:08*	*10/27/18 16:34*	*1*
DCB Decachlorobiphenyl	*99*		*21 - 136*	*10/25/18 10:08*	*10/27/18 16:34*	*1*

Lab Sample ID: LCS 720-254103/2-A
Matrix: Solid
Analysis Batch: 254215

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 254103

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	16.7	16.1		ug/Kg		97	65 - 120
Dieldrin	16.7	17.8		ug/Kg		107	72 - 120
Endrin aldehyde	16.7	19.3		ug/Kg		116	68 - 120
Endrin	16.7	18.6		ug/Kg		112	68 - 120
Endrin ketone	16.7	18.6		ug/Kg		111	75 - 136
Heptachlor	16.7	16.9		ug/Kg		102	69 - 120
Heptachlor epoxide	16.7	17.4		ug/Kg		105	68 - 120
4,4'-DDT	16.7	18.1		ug/Kg		109	63 - 127
4,4'-DDE	16.7	18.1		ug/Kg		108	76 - 126
4,4'-DDD	16.7	18.9		ug/Kg		113	75 - 128
Endosulfan I	16.7	17.7		ug/Kg		106	62 - 120
Endosulfan II	16.7	18.5		ug/Kg		111	65 - 120
alpha-BHC	16.7	14.2		ug/Kg		85	46 - 122
beta-BHC	16.7	17.8		ug/Kg		107	78 - 136
gamma-BHC (Lindane)	16.7	16.3		ug/Kg		98	72 - 120
delta-BHC	16.7	14.9		ug/Kg		90	43 - 125

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 720-254103/2-A
Matrix: Solid
Analysis Batch: 254215

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 254103

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endosulfan sulfate	16.7	18.8		ug/Kg		113	72 - 121
Methoxychlor	16.7	19.2		ug/Kg		115	71 - 132
cis-Chlordane	16.7	17.8		ug/Kg		107	70 - 120
trans-Chlordane	16.7	17.7		ug/Kg		106	68 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*93*		*21 - 145*
DCB Decachlorobiphenyl	*112*		*21 - 136*

Lab Sample ID: 720-89327-1 MS
Matrix: Solid
Analysis Batch: 254215

Client Sample ID: SB-01
Prep Type: Total/NA
Prep Batch: 254103

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		16.3	14.1		ug/Kg		87	53 - 120
Dieldrin	ND		16.3	15.6		ug/Kg		96	46 - 130
Endrin aldehyde	ND	F2	16.3	12.7	p	ug/Kg		78	40 - 120
Endrin	ND		16.3	17.0		ug/Kg		105	32 - 143
Endrin ketone	ND		16.3	16.6		ug/Kg		102	40 - 120
Heptachlor	ND		16.3	15.0		ug/Kg		92	52 - 120
Heptachlor epoxide	ND		16.3	15.3		ug/Kg		94	40 - 120
4,4'-DDT	6.9		16.3	24.2		ug/Kg		107	17 - 144
4,4'-DDE	98		16.3	110	4	ug/Kg		77	40 - 120
4,4'-DDD	1.5	J F1	16.3	18.5		ug/Kg		104	40 - 120
Endosulfan I	ND		16.3	14.8		ug/Kg		91	40 - 120
Endosulfan II	ND		16.3	15.3		ug/Kg		94	40 - 120
alpha-BHC	ND		16.3	14.4		ug/Kg		88	40 - 120
beta-BHC	ND		16.3	15.5		ug/Kg		96	40 - 120
gamma-BHC (Lindane)	ND		16.3	14.3		ug/Kg		88	58 - 120
delta-BHC	ND		16.3	13.1		ug/Kg		81	40 - 120
Endosulfan sulfate	ND		16.3	16.7		ug/Kg		103	40 - 120
Methoxychlor	ND		16.3	15.9		ug/Kg		98	40 - 120
cis-Chlordane	ND	F1	16.3	18.4		ug/Kg		113	40 - 120
trans-Chlordane	ND	F1	16.3	19.4		ug/Kg		119	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*100*		*21 - 145*
DCB Decachlorobiphenyl	*93*		*21 - 136*

Lab Sample ID: 720-89327-1 MSD
Matrix: Solid
Analysis Batch: 254215

Client Sample ID: SB-01
Prep Type: Total/NA
Prep Batch: 254103

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		16.3	15.6		ug/Kg		96	53 - 120	10	20
Dieldrin	ND		16.3	16.9		ug/Kg		104	46 - 130	8	20
Endrin aldehyde	ND	F2	16.3	17.6	F2	ug/Kg		108	40 - 120	32	20
Endrin	ND		16.3	18.2		ug/Kg		112	32 - 143	7	20

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 720-89327-1 MSD
Matrix: Solid
Analysis Batch: 254215

Client Sample ID: SB-01
Prep Type: Total/NA
Prep Batch: 254103

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endrin ketone	ND		16.3	16.2		ug/Kg		99	40 - 120	3	20
Heptachlor	ND		16.3	16.3		ug/Kg		100	52 - 120	8	20
Heptachlor epoxide	ND		16.3	17.1		ug/Kg		105	40 - 120	11	20
4,4'-DDT	6.9		16.3	25.2		ug/Kg		112	17 - 144	4	20
4,4'-DDE	98		16.3	115	4	ug/Kg		105	40 - 120	4	20
4,4'-DDD	1.5	J F1	16.3	20.9		ug/Kg		119	40 - 120	12	20
Endosulfan I	ND		16.3	16.2		ug/Kg		100	40 - 120	9	20
Endosulfan II	ND		16.3	16.6		ug/Kg		102	40 - 120	9	30
alpha-BHC	ND		16.3	15.1		ug/Kg		93	40 - 120	5	20
beta-BHC	ND		16.3	16.6		ug/Kg		102	40 - 120	6	20
gamma-BHC (Lindane)	ND		16.3	14.9		ug/Kg		92	58 - 120	4	20
delta-BHC	ND		16.3	14.2		ug/Kg		87	40 - 120	8	20
Endosulfan sulfate	ND		16.3	18.2		ug/Kg		112	40 - 120	9	20
Methoxychlor	ND		16.3	16.4		ug/Kg		101	40 - 120	3	20
cis-Chlordane	ND	F1	16.3	19.4		ug/Kg		119	40 - 120	5	20
trans-Chlordane	ND	F1	16.3	20.8	F1	ug/Kg		128	40 - 120	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*102*		*21 - 145*
DCB Decachlorobiphenyl	*101*		*21 - 136*

Lab Sample ID: MB 720-254124/1-A
Matrix: Solid
Analysis Batch: 254215

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 254124

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		10/25/18 12:36	10/27/18 14:49	1
Dieldrin	ND		2.0	0.59	ug/Kg		10/25/18 12:36	10/27/18 14:49	1
Endrin aldehyde	ND		2.0	0.63	ug/Kg		10/25/18 12:36	10/27/18 14:49	1
Endrin	ND		2.0	0.46	ug/Kg		10/25/18 12:36	10/27/18 14:49	1
Endrin ketone	ND		2.0	0.33	ug/Kg		10/25/18 12:36	10/27/18 14:49	1
Heptachlor	ND		2.0	0.46	ug/Kg		10/25/18 12:36	10/27/18 14:49	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		10/25/18 12:36	10/27/18 14:49	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		10/25/18 12:36	10/27/18 14:49	1
4,4'-DDE	ND		2.0	0.42	ug/Kg		10/25/18 12:36	10/27/18 14:49	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		10/25/18 12:36	10/27/18 14:49	1
Endosulfan I	ND		2.0	0.32	ug/Kg		10/25/18 12:36	10/27/18 14:49	1
Endosulfan II	ND		2.0	0.49	ug/Kg		10/25/18 12:36	10/27/18 14:49	1
alpha-BHC	ND		2.0	0.55	ug/Kg		10/25/18 12:36	10/27/18 14:49	1
beta-BHC	ND		2.0	0.36	ug/Kg		10/25/18 12:36	10/27/18 14:49	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		10/25/18 12:36	10/27/18 14:49	1
delta-BHC	ND		2.0	0.44	ug/Kg		10/25/18 12:36	10/27/18 14:49	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		10/25/18 12:36	10/27/18 14:49	1
Methoxychlor	ND		2.0	0.68	ug/Kg		10/25/18 12:36	10/27/18 14:49	1
Toxaphene	ND		40	6.8	ug/Kg		10/25/18 12:36	10/27/18 14:49	1
Chlordane (technical)	ND		40	3.2	ug/Kg		10/25/18 12:36	10/27/18 14:49	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		10/25/18 12:36	10/27/18 14:49	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		10/25/18 12:36	10/27/18 14:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	95		21 - 145	10/25/18 12:36	10/27/18 14:49	1
DCB Decachlorobiphenyl	110		21 - 136	10/25/18 12:36	10/27/18 14:49	1

Lab Sample ID: LCS 720-254124/2-A
Matrix: Solid
Analysis Batch: 254215

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 254124

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	16.7	15.7		ug/Kg		94	65 - 120
Dieldrin	16.7	17.1		ug/Kg		102	72 - 120
Endrin aldehyde	16.7	18.3		ug/Kg		110	68 - 120
Endrin	16.7	17.8		ug/Kg		107	68 - 120
Endrin ketone	16.7	18.0		ug/Kg		108	75 - 136
Heptachlor	16.7	16.5		ug/Kg		99	69 - 120
Heptachlor epoxide	16.7	16.8		ug/Kg		101	68 - 120
4,4'-DDT	16.7	17.5		ug/Kg		105	63 - 127
4,4'-DDE	16.7	17.5		ug/Kg		105	76 - 126
4,4'-DDD	16.7	18.0		ug/Kg		108	75 - 128
Endosulfan I	16.7	17.2		ug/Kg		103	62 - 120
Endosulfan II	16.7	17.7		ug/Kg		106	65 - 120
alpha-BHC	16.7	13.8		ug/Kg		83	46 - 122
beta-BHC	16.7	17.4		ug/Kg		104	78 - 136
gamma-BHC (Lindane)	16.7	15.7		ug/Kg		94	72 - 120
delta-BHC	16.7	14.1		ug/Kg		85	43 - 125
Endosulfan sulfate	16.7	17.9		ug/Kg		107	72 - 121
Methoxychlor	16.7	19.4		ug/Kg		117	71 - 132
cis-Chlordane	16.7	17.2		ug/Kg		103	70 - 120
trans-Chlordane	16.7	17.1		ug/Kg		102	68 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	92		21 - 145
DCB Decachlorobiphenyl	107		21 - 136

Lab Sample ID: 720-89327-31 MS
Matrix: Solid
Analysis Batch: 254313

Client Sample ID: SB-31
Prep Type: Total/NA
Prep Batch: 254124

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		16.5	14.0		ug/Kg		84	53 - 120
Dieldrin	ND		16.5	16.0		ug/Kg		97	46 - 130
Endrin aldehyde	ND		16.5	15.3		ug/Kg		93	40 - 120
Endrin	ND		16.5	15.7		ug/Kg		95	32 - 143
Endrin ketone	ND		16.5	15.4		ug/Kg		93	40 - 120
Heptachlor	ND		16.5	14.3		ug/Kg		86	52 - 120
Heptachlor epoxide	ND		16.5	15.5		ug/Kg		94	40 - 120
4,4'-DDT	3.4	p	16.5	16.5		ug/Kg		79	17 - 144
4,4'-DDE	30	F1	16.5	52.1	F1	ug/Kg		136	40 - 120
4,4'-DDD	ND		16.5	17.7		ug/Kg		107	40 - 120
Endosulfan I	ND		16.5	14.9		ug/Kg		90	40 - 120
Endosulfan II	1.6	J	16.5	15.5		ug/Kg		84	40 - 120
alpha-BHC	ND		16.5	13.4		ug/Kg		81	40 - 120
beta-BHC	ND		16.5	16.5		ug/Kg		100	40 - 120
gamma-BHC (Lindane)	ND		16.5	14.0		ug/Kg		85	58 - 120

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 720-89327-31 MS
Matrix: Solid
Analysis Batch: 254313

Client Sample ID: SB-31
Prep Type: Total/NA
Prep Batch: 254124

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
delta-BHC	ND		16.5	13.4		ug/Kg		81	40 - 120
Endosulfan sulfate	ND		16.5	15.6		ug/Kg		94	40 - 120
Methoxychlor	ND		16.5	15.8		ug/Kg		95	40 - 120
cis-Chlordane	ND		16.5	16.9		ug/Kg		102	40 - 120
trans-Chlordane	ND		16.5	18.6		ug/Kg		112	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*89*		*21 - 145*
DCB Decachlorobiphenyl	*91*		*21 - 136*

Lab Sample ID: 720-89327-31 MSD
Matrix: Solid
Analysis Batch: 254313

Client Sample ID: SB-31
Prep Type: Total/NA
Prep Batch: 254124

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		16.5	13.7		ug/Kg		83	53 - 120	2	20
Dieldrin	ND		16.5	15.7		ug/Kg		95	46 - 130	2	20
Endrin aldehyde	ND		16.5	15.0		ug/Kg		91	40 - 120	2	20
Endrin	ND		16.5	15.4		ug/Kg		93	32 - 143	2	20
Endrin ketone	ND		16.5	15.2		ug/Kg		92	40 - 120	1	20
Heptachlor	ND		16.5	13.9		ug/Kg		84	52 - 120	3	20
Heptachlor epoxide	ND		16.5	15.0		ug/Kg		91	40 - 120	3	20
4,4'-DDT	3.4	p	16.5	15.6		ug/Kg		74	17 - 144	6	20
4,4'-DDE	30	F1	16.5	48.4		ug/Kg		115	40 - 120	7	20
4,4'-DDD	ND		16.5	17.4		ug/Kg		106	40 - 120	1	20
Endosulfan I	ND		16.5	14.6		ug/Kg		89	40 - 120	2	20
Endosulfan II	1.6	J	16.5	14.9		ug/Kg		81	40 - 120	4	30
alpha-BHC	ND		16.5	12.8		ug/Kg		78	40 - 120	5	20
beta-BHC	ND		16.5	15.9		ug/Kg		96	40 - 120	4	20
gamma-BHC (Lindane)	ND		16.5	13.4		ug/Kg		81	58 - 120	4	20
delta-BHC	ND		16.5	13.0		ug/Kg		79	40 - 120	3	20
Endosulfan sulfate	ND		16.5	15.1		ug/Kg		92	40 - 120	3	20
Methoxychlor	ND		16.5	15.2		ug/Kg		92	40 - 120	4	20
cis-Chlordane	ND		16.5	16.2		ug/Kg		99	40 - 120	4	20
trans-Chlordane	ND		16.5	18.7		ug/Kg		114	40 - 120	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*85*		*21 - 145*
DCB Decachlorobiphenyl	*99*		*21 - 136*

Lab Sample ID: MB 720-254257/1-A
Matrix: Solid
Analysis Batch: 254312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 254257

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.50	ug/Kg		10/29/18 09:02	10/30/18 04:19	1
Dieldrin	ND		2.0	0.59	ug/Kg		10/29/18 09:02	10/30/18 04:19	1
Endrin aldehyde	ND		2.0	0.63	ug/Kg		10/29/18 09:02	10/30/18 04:19	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 720-254257/1-A
Matrix: Solid
Analysis Batch: 254312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 254257

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	ND		2.0	0.46	ug/Kg		10/29/18 09:02	10/30/18 04:19	1
Endrin ketone	ND		2.0	0.33	ug/Kg		10/29/18 09:02	10/30/18 04:19	1
Heptachlor	ND		2.0	0.46	ug/Kg		10/29/18 09:02	10/30/18 04:19	1
Heptachlor epoxide	ND		2.0	0.35	ug/Kg		10/29/18 09:02	10/30/18 04:19	1
4,4'-DDT	ND		2.0	0.41	ug/Kg		10/29/18 09:02	10/30/18 04:19	1
4,4'-DDE	ND		2.0	0.42	ug/Kg		10/29/18 09:02	10/30/18 04:19	1
4,4'-DDD	ND		2.0	0.61	ug/Kg		10/29/18 09:02	10/30/18 04:19	1
Endosulfan I	ND		2.0	0.32	ug/Kg		10/29/18 09:02	10/30/18 04:19	1
Endosulfan II	ND		2.0	0.49	ug/Kg		10/29/18 09:02	10/30/18 04:19	1
alpha-BHC	ND		2.0	0.55	ug/Kg		10/29/18 09:02	10/30/18 04:19	1
beta-BHC	ND		2.0	0.36	ug/Kg		10/29/18 09:02	10/30/18 04:19	1
gamma-BHC (Lindane)	ND		2.0	0.63	ug/Kg		10/29/18 09:02	10/30/18 04:19	1
delta-BHC	ND		2.0	0.44	ug/Kg		10/29/18 09:02	10/30/18 04:19	1
Endosulfan sulfate	ND		2.0	0.38	ug/Kg		10/29/18 09:02	10/30/18 04:19	1
Methoxychlor	ND		2.0	0.68	ug/Kg		10/29/18 09:02	10/30/18 04:19	1
Toxaphene	ND		40	6.8	ug/Kg		10/29/18 09:02	10/30/18 04:19	1
Chlordane (technical)	ND		40	3.2	ug/Kg		10/29/18 09:02	10/30/18 04:19	1
cis-Chlordane	ND		2.0	0.40	ug/Kg		10/29/18 09:02	10/30/18 04:19	1
trans-Chlordane	ND		2.0	0.46	ug/Kg		10/29/18 09:02	10/30/18 04:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*21 - 145*	*10/29/18 09:02*	*10/30/18 04:19*	*1*
DCB Decachlorobiphenyl	*100*		*21 - 136*	*10/29/18 09:02*	*10/30/18 04:19*	*1*

Lab Sample ID: LCS 720-254257/2-A
Matrix: Solid
Analysis Batch: 254312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 254257

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	16.7	13.5		ug/Kg		81	65 - 120
Dieldrin	16.7	15.4		ug/Kg		92	72 - 120
Endrin aldehyde	16.7	17.0		ug/Kg		102	68 - 120
Endrin	16.7	16.5		ug/Kg		99	68 - 120
Endrin ketone	16.7	16.2		ug/Kg		97	75 - 136
Heptachlor	16.7	14.8		ug/Kg		89	69 - 120
Heptachlor epoxide	16.7	15.3		ug/Kg		92	68 - 120
4,4'-DDT	16.7	15.1		ug/Kg		91	63 - 127
4,4'-DDE	16.7	15.5		ug/Kg		93	76 - 126
4,4'-DDD	16.7	15.8		ug/Kg		95	75 - 128
Endosulfan I	16.7	15.7		ug/Kg		94	62 - 120
Endosulfan II	16.7	16.0		ug/Kg		96	65 - 120
alpha-BHC	16.7	12.3		ug/Kg		74	46 - 122
beta-BHC	16.7	16.9		ug/Kg		101	78 - 136
gamma-BHC (Lindane)	16.7	14.8		ug/Kg		89	72 - 120
delta-BHC	16.7	12.7		ug/Kg		76	43 - 125
Endosulfan sulfate	16.7	15.3		ug/Kg		92	72 - 121
Methoxychlor	16.7	15.8		ug/Kg		95	71 - 132
cis-Chlordane	16.7	15.2		ug/Kg		91	70 - 120

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 720-254257/2-A
Matrix: Solid
Analysis Batch: 254312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 254257

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
trans-Chlordane			16.7	15.1		ug/Kg		90	68 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*89*		*21 - 145*
DCB Decachlorobiphenyl	*98*		*21 - 136*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-254097/1-A
Matrix: Solid
Analysis Batch: 254243

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 254097

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.085	mg/Kg		10/25/18 17:50	10/26/18 15:29	1
Lead	ND		0.50	0.11	mg/Kg		10/25/18 17:50	10/26/18 15:29	1

Lab Sample ID: LCS 720-254097/2-A
Matrix: Solid
Analysis Batch: 254243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 254097

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			50.0	48.7		mg/Kg		97	80 - 120		
Lead			50.0	49.6		mg/Kg		99	80 - 120		

Lab Sample ID: 720-89327-1 MS
Matrix: Solid
Analysis Batch: 254243

Client Sample ID: SB-01
Prep Type: Total/NA
Prep Batch: 254097

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	2.7	J	49.5	52.0		mg/Kg		100	75 - 125		
Lead	6.6		49.5	60.1		mg/Kg		108	75 - 125		

Lab Sample ID: 720-89327-1 MSD
Matrix: Solid
Analysis Batch: 254243

Client Sample ID: SB-01
Prep Type: Total/NA
Prep Batch: 254097

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	2.7	J	49.5	53.4		mg/Kg		103	75 - 125	3	20
Lead	6.6		49.5	61.3		mg/Kg		110	75 - 125	2	20

Lab Sample ID: MB 720-254109/1-A
Matrix: Solid
Analysis Batch: 254326

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 254109

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.085	mg/Kg		10/26/18 08:44	10/29/18 18:48	1
Lead	ND		0.50	0.11	mg/Kg		10/26/18 08:44	10/29/18 18:48	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 720-254109/2-A
Matrix: Solid
Analysis Batch: 254326

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 254109

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	50.0	48.5		mg/Kg		97	80 - 120
Lead	50.0	49.5		mg/Kg		99	80 - 120

Lab Sample ID: MB 720-254112/1-A
Matrix: Solid
Analysis Batch: 254419

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 254112

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.085	mg/Kg		10/25/18 11:12	10/30/18 17:03	1
Lead	ND		0.50	0.11	mg/Kg		10/25/18 11:12	10/30/18 17:03	1

Lab Sample ID: LCS 720-254112/2-A
Matrix: Solid
Analysis Batch: 254419

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 254112

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	50.0	48.5		mg/Kg		97	80 - 120
Lead	50.0	49.3		mg/Kg		99	80 - 120

Lab Sample ID: 720-89327-28 MS
Matrix: Solid
Analysis Batch: 254419

Client Sample ID: SB-28
Prep Type: Total/NA
Prep Batch: 254112

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2.2	J	36.5	34.9		mg/Kg		90	75 - 125
Lead	5.5		36.5	41.9		mg/Kg		100	75 - 125

Lab Sample ID: 720-89327-28 MSD
Matrix: Solid
Analysis Batch: 254419

Client Sample ID: SB-28
Prep Type: Total/NA
Prep Batch: 254112

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	2.2	J	36.8	36.6		mg/Kg		94	75 - 125	5	20
Lead	5.5		36.8	43.3		mg/Kg		103	75 - 125	3	20

GC Semi VOA

Prep Batch: 254103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-89327-1	SB-01	Total/NA	Solid	3546	
720-89327-2	SB-02	Total/NA	Solid	3546	
720-89327-3	SB-03	Total/NA	Solid	3546	
720-89327-4	SB-04	Total/NA	Solid	3546	
720-89327-5	SB-05	Total/NA	Solid	3546	
720-89327-6	SB-06	Total/NA	Solid	3546	
720-89327-7	SB-07	Total/NA	Solid	3546	
720-89327-8	SB-08	Total/NA	Solid	3546	
720-89327-9	SB-09	Total/NA	Solid	3546	
720-89327-10	SB-10	Total/NA	Solid	3546	
720-89327-11	SB-11	Total/NA	Solid	3546	
720-89327-12	SB-12	Total/NA	Solid	3546	
720-89327-13	SB-13	Total/NA	Solid	3546	
720-89327-14	SB-14	Total/NA	Solid	3546	
720-89327-15	SB-15	Total/NA	Solid	3546	
720-89327-16	SB-16	Total/NA	Solid	3546	
720-89327-17	SB-17	Total/NA	Solid	3546	
720-89327-18	SB-18	Total/NA	Solid	3546	
720-89327-19	SB-19	Total/NA	Solid	3546	
720-89327-20	SB-20	Total/NA	Solid	3546	
MB 720-254103/1-A	Method Blank	Total/NA	Solid	3546	
LCS 720-254103/2-A	Lab Control Sample	Total/NA	Solid	3546	
720-89327-1 MS	SB-01	Total/NA	Solid	3546	
720-89327-1 MSD	SB-01	Total/NA	Solid	3546	

Prep Batch: 254124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-89327-28	SB-28	Total/NA	Solid	3546	
720-89327-29	SB-29	Total/NA	Solid	3546	
720-89327-30	SB-30	Total/NA	Solid	3546	
720-89327-31	SB-31	Total/NA	Solid	3546	
720-89327-32	SB-32	Total/NA	Solid	3546	
720-89327-33	SB-33	Total/NA	Solid	3546	
720-89327-34	SB-34	Total/NA	Solid	3546	
MB 720-254124/1-A	Method Blank	Total/NA	Solid	3546	
LCS 720-254124/2-A	Lab Control Sample	Total/NA	Solid	3546	
720-89327-31 MS	SB-31	Total/NA	Solid	3546	
720-89327-31 MSD	SB-31	Total/NA	Solid	3546	

Analysis Batch: 254214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-89327-10	SB-10	Total/NA	Solid	8081A	254103
720-89327-11	SB-11	Total/NA	Solid	8081A	254103
720-89327-12	SB-12	Total/NA	Solid	8081A	254103
720-89327-13	SB-13	Total/NA	Solid	8081A	254103
720-89327-14	SB-14	Total/NA	Solid	8081A	254103
720-89327-15	SB-15	Total/NA	Solid	8081A	254103

Analysis Batch: 254215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-89327-1	SB-01	Total/NA	Solid	8081A	254103

GC Semi VOA (Continued)

Analysis Batch: 254215 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-89327-2	SB-02	Total/NA	Solid	8081A	254103
720-89327-3	SB-03	Total/NA	Solid	8081A	254103
720-89327-4	SB-04	Total/NA	Solid	8081A	254103
720-89327-5	SB-05	Total/NA	Solid	8081A	254103
720-89327-6	SB-06	Total/NA	Solid	8081A	254103
720-89327-7	SB-07	Total/NA	Solid	8081A	254103
720-89327-8	SB-08	Total/NA	Solid	8081A	254103
720-89327-9	SB-09	Total/NA	Solid	8081A	254103
MB 720-254103/1-A	Method Blank	Total/NA	Solid	8081A	254103
MB 720-254124/1-A	Method Blank	Total/NA	Solid	8081A	254124
LCS 720-254103/2-A	Lab Control Sample	Total/NA	Solid	8081A	254103
LCS 720-254124/2-A	Lab Control Sample	Total/NA	Solid	8081A	254124
720-89327-1 MS	SB-01	Total/NA	Solid	8081A	254103
720-89327-1 MSD	SB-01	Total/NA	Solid	8081A	254103

Prep Batch: 254257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-89327-21	SB-21	Total/NA	Solid	3546	
720-89327-22	SB-22	Total/NA	Solid	3546	
720-89327-23	SB-23	Total/NA	Solid	3546	
720-89327-24	SB-24	Total/NA	Solid	3546	
720-89327-25	SB-25	Total/NA	Solid	3546	
720-89327-26	SB-26	Total/NA	Solid	3546	
720-89327-27	SB-27	Total/NA	Solid	3546	
MB 720-254257/1-A	Method Blank	Total/NA	Solid	3546	
LCS 720-254257/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 254312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-89327-21	SB-21	Total/NA	Solid	8081A	254257
MB 720-254257/1-A	Method Blank	Total/NA	Solid	8081A	254257
LCS 720-254257/2-A	Lab Control Sample	Total/NA	Solid	8081A	254257

Analysis Batch: 254313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-89327-16	SB-16	Total/NA	Solid	8081A	254103
720-89327-17	SB-17	Total/NA	Solid	8081A	254103
720-89327-18	SB-18	Total/NA	Solid	8081A	254103
720-89327-19	SB-19	Total/NA	Solid	8081A	254103
720-89327-20	SB-20	Total/NA	Solid	8081A	254103
720-89327-22	SB-22	Total/NA	Solid	8081A	254257
720-89327-23	SB-23	Total/NA	Solid	8081A	254257
720-89327-24	SB-24	Total/NA	Solid	8081A	254257
720-89327-25	SB-25	Total/NA	Solid	8081A	254257
720-89327-26	SB-26	Total/NA	Solid	8081A	254257
720-89327-27	SB-27	Total/NA	Solid	8081A	254257
720-89327-28	SB-28	Total/NA	Solid	8081A	254124
720-89327-31	SB-31	Total/NA	Solid	8081A	254124
720-89327-32	SB-32	Total/NA	Solid	8081A	254124
720-89327-33	SB-33	Total/NA	Solid	8081A	254124
720-89327-34	SB-34	Total/NA	Solid	8081A	254124

GC Semi VOA (Continued)

Analysis Batch: 254313 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-89327-31 MS	SB-31	Total/NA	Solid	8081A	254124
720-89327-31 MSD	SB-31	Total/NA	Solid	8081A	254124

Analysis Batch: 254406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-89327-29	SB-29	Total/NA	Solid	8081A	254124
720-89327-30	SB-30	Total/NA	Solid	8081A	254124

Metals

Prep Batch: 254097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-89327-1	SB-01	Total/NA	Solid	3050B	
720-89327-2	SB-02	Total/NA	Solid	3050B	
720-89327-3	SB-03	Total/NA	Solid	3050B	
720-89327-4	SB-04	Total/NA	Solid	3050B	
720-89327-5	SB-05	Total/NA	Solid	3050B	
720-89327-6	SB-06	Total/NA	Solid	3050B	
720-89327-7	SB-07	Total/NA	Solid	3050B	
720-89327-8	SB-08	Total/NA	Solid	3050B	
720-89327-9	SB-09	Total/NA	Solid	3050B	
720-89327-10	SB-10	Total/NA	Solid	3050B	
720-89327-11	SB-11	Total/NA	Solid	3050B	
720-89327-12	SB-12	Total/NA	Solid	3050B	
720-89327-13	SB-13	Total/NA	Solid	3050B	
720-89327-14	SB-14	Total/NA	Solid	3050B	
720-89327-15	SB-15	Total/NA	Solid	3050B	
720-89327-16	SB-16	Total/NA	Solid	3050B	
720-89327-17	SB-17	Total/NA	Solid	3050B	
720-89327-18	SB-18	Total/NA	Solid	3050B	
720-89327-19	SB-19	Total/NA	Solid	3050B	
720-89327-20	SB-20	Total/NA	Solid	3050B	
MB 720-254097/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 720-254097/2-A	Lab Control Sample	Total/NA	Solid	3050B	
720-89327-1 MS	SB-01	Total/NA	Solid	3050B	
720-89327-1 MSD	SB-01	Total/NA	Solid	3050B	

Prep Batch: 254109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-89327-21	SB-21	Total/NA	Solid	3050B	
720-89327-22	SB-22	Total/NA	Solid	3050B	
720-89327-23	SB-23	Total/NA	Solid	3050B	
720-89327-24	SB-24	Total/NA	Solid	3050B	
720-89327-25	SB-25	Total/NA	Solid	3050B	
720-89327-26	SB-26	Total/NA	Solid	3050B	
720-89327-27	SB-27	Total/NA	Solid	3050B	
MB 720-254109/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 720-254109/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 254112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-89327-28	SB-28	Total/NA	Solid	3050B	
720-89327-29	SB-29	Total/NA	Solid	3050B	
720-89327-30	SB-30	Total/NA	Solid	3050B	
720-89327-31	SB-31	Total/NA	Solid	3050B	
720-89327-32	SB-32	Total/NA	Solid	3050B	
720-89327-33	SB-33	Total/NA	Solid	3050B	
720-89327-34	SB-34	Total/NA	Solid	3050B	
MB 720-254112/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 720-254112/2-A	Lab Control Sample	Total/NA	Solid	3050B	
720-89327-28 MS	SB-28	Total/NA	Solid	3050B	
720-89327-28 MSD	SB-28	Total/NA	Solid	3050B	

Analysis Batch: 254243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-89327-1	SB-01	Total/NA	Solid	6010B	254097
720-89327-2	SB-02	Total/NA	Solid	6010B	254097
720-89327-3	SB-03	Total/NA	Solid	6010B	254097
720-89327-4	SB-04	Total/NA	Solid	6010B	254097
720-89327-5	SB-05	Total/NA	Solid	6010B	254097
720-89327-6	SB-06	Total/NA	Solid	6010B	254097
720-89327-7	SB-07	Total/NA	Solid	6010B	254097
720-89327-8	SB-08	Total/NA	Solid	6010B	254097
720-89327-9	SB-09	Total/NA	Solid	6010B	254097
720-89327-10	SB-10	Total/NA	Solid	6010B	254097
720-89327-11	SB-11	Total/NA	Solid	6010B	254097
720-89327-12	SB-12	Total/NA	Solid	6010B	254097
720-89327-13	SB-13	Total/NA	Solid	6010B	254097
720-89327-14	SB-14	Total/NA	Solid	6010B	254097
720-89327-15	SB-15	Total/NA	Solid	6010B	254097
720-89327-16	SB-16	Total/NA	Solid	6010B	254097
720-89327-17	SB-17	Total/NA	Solid	6010B	254097
720-89327-18	SB-18	Total/NA	Solid	6010B	254097
720-89327-19	SB-19	Total/NA	Solid	6010B	254097
720-89327-20	SB-20	Total/NA	Solid	6010B	254097
MB 720-254097/1-A	Method Blank	Total/NA	Solid	6010B	254097
LCS 720-254097/2-A	Lab Control Sample	Total/NA	Solid	6010B	254097
720-89327-1 MS	SB-01	Total/NA	Solid	6010B	254097
720-89327-1 MSD	SB-01	Total/NA	Solid	6010B	254097

Analysis Batch: 254244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-89327-21	SB-21	Total/NA	Solid	6010B	254109
720-89327-22	SB-22	Total/NA	Solid	6010B	254109
720-89327-23	SB-23	Total/NA	Solid	6010B	254109
720-89327-24	SB-24	Total/NA	Solid	6010B	254109
720-89327-25	SB-25	Total/NA	Solid	6010B	254109
720-89327-26	SB-26	Total/NA	Solid	6010B	254109
720-89327-27	SB-27	Total/NA	Solid	6010B	254109

Metals (Continued)

Analysis Batch: 254326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-89327-21	SB-21	Total/NA	Solid	6010B	254109
720-89327-22	SB-22	Total/NA	Solid	6010B	254109
720-89327-23	SB-23	Total/NA	Solid	6010B	254109
720-89327-24	SB-24	Total/NA	Solid	6010B	254109
720-89327-25	SB-25	Total/NA	Solid	6010B	254109
MB 720-254109/1-A	Method Blank	Total/NA	Solid	6010B	254109
LCS 720-254109/2-A	Lab Control Sample	Total/NA	Solid	6010B	254109

Analysis Batch: 254419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-89327-28	SB-28	Total/NA	Solid	6010B	254112
720-89327-29	SB-29	Total/NA	Solid	6010B	254112
720-89327-30	SB-30	Total/NA	Solid	6010B	254112
720-89327-31	SB-31	Total/NA	Solid	6010B	254112
720-89327-32	SB-32	Total/NA	Solid	6010B	254112
720-89327-33	SB-33	Total/NA	Solid	6010B	254112
720-89327-34	SB-34	Total/NA	Solid	6010B	254112
MB 720-254112/1-A	Method Blank	Total/NA	Solid	6010B	254112
LCS 720-254112/2-A	Lab Control Sample	Total/NA	Solid	6010B	254112
720-89327-28 MS	SB-28	Total/NA	Solid	6010B	254112
720-89327-28 MSD	SB-28	Total/NA	Solid	6010B	254112

Client Sample ID: SB-01
Date Collected: 10/23/18 15:07
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254103	10/25/18 10:08	MAB	TAL PLS
Total/NA	Analysis	8081A		1	254215	10/27/18 18:03	JZT	TAL PLS
Total/NA	Prep	3050B			254097	10/25/18 17:50	GLL	TAL PLS
Total/NA	Analysis	6010B		4	254243	10/26/18 15:57	BKR	TAL PLS

Client Sample ID: SB-02
Date Collected: 10/23/18 14:51
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254103	10/25/18 10:08	MAB	TAL PLS
Total/NA	Analysis	8081A		1	254215	10/27/18 18:20	JZT	TAL PLS
Total/NA	Prep	3050B			254097	10/25/18 17:50	GLL	TAL PLS
Total/NA	Analysis	6010B		4	254243	10/26/18 16:01	BKR	TAL PLS

Client Sample ID: SB-03
Date Collected: 10/23/18 13:40
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254103	10/25/18 10:08	MAB	TAL PLS
Total/NA	Analysis	8081A		1	254215	10/27/18 18:38	JZT	TAL PLS
Total/NA	Prep	3050B			254097	10/25/18 17:50	GLL	TAL PLS
Total/NA	Analysis	6010B		4	254243	10/26/18 16:06	BKR	TAL PLS

Client Sample ID: SB-04
Date Collected: 10/23/18 11:56
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254103	10/25/18 10:08	MAB	TAL PLS
Total/NA	Analysis	8081A		1	254215	10/27/18 18:55	JZT	TAL PLS
Total/NA	Prep	3050B			254097	10/25/18 17:50	GLL	TAL PLS
Total/NA	Analysis	6010B		4	254243	10/26/18 16:11	BKR	TAL PLS

Client Sample ID: SB-05
Date Collected: 10/23/18 15:15
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254103	10/25/18 10:08	MAB	TAL PLS
Total/NA	Analysis	8081A		1	254215	10/27/18 19:13	JZT	TAL PLS
Total/NA	Prep	3050B			254097	10/25/18 17:50	GLL	TAL PLS

Client Sample ID: SB-05
Date Collected: 10/23/18 15:15
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		4	254243	10/26/18 16:25	BKR	TAL PLS

Client Sample ID: SB-06
Date Collected: 10/23/18 14:38
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254103	10/25/18 10:08	MAB	TAL PLS
Total/NA	Analysis	8081A		1	254215	10/27/18 19:30	JZT	TAL PLS
Total/NA	Prep	3050B			254097	10/25/18 17:50	GLL	TAL PLS
Total/NA	Analysis	6010B		4	254243	10/26/18 16:29	BKR	TAL PLS

Client Sample ID: SB-07
Date Collected: 10/23/18 13:50
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254103	10/25/18 10:08	MAB	TAL PLS
Total/NA	Analysis	8081A		1	254215	10/27/18 19:48	JZT	TAL PLS
Total/NA	Prep	3050B			254097	10/25/18 17:50	GLL	TAL PLS
Total/NA	Analysis	6010B		4	254243	10/26/18 16:34	BKR	TAL PLS

Client Sample ID: SB-08
Date Collected: 10/23/18 11:49
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254103	10/25/18 10:08	MAB	TAL PLS
Total/NA	Analysis	8081A		1	254215	10/27/18 20:05	JZT	TAL PLS
Total/NA	Prep	3050B			254097	10/25/18 17:50	GLL	TAL PLS
Total/NA	Analysis	6010B		4	254243	10/26/18 16:39	BKR	TAL PLS

Client Sample ID: SB-09
Date Collected: 10/23/18 12:21
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254103	10/25/18 10:08	MAB	TAL PLS
Total/NA	Analysis	8081A		1	254215	10/27/18 20:23	JZT	TAL PLS
Total/NA	Prep	3050B			254097	10/25/18 17:50	GLL	TAL PLS
Total/NA	Analysis	6010B		4	254243	10/26/18 16:43	BKR	TAL PLS

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-10
Date Collected: 10/23/18 12:49
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254103	10/25/18 10:08	MAB	TAL PLS
Total/NA	Analysis	8081A		1	254214	10/27/18 18:38	JZT	TAL PLS
Total/NA	Prep	3050B			254097	10/25/18 17:50	GLL	TAL PLS
Total/NA	Analysis	6010B		4	254243	10/26/18 16:48	BKR	TAL PLS

Client Sample ID: SB-11
Date Collected: 10/23/18 15:30
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254103	10/25/18 10:08	MAB	TAL PLS
Total/NA	Analysis	8081A		1	254214	10/27/18 18:54	JZT	TAL PLS
Total/NA	Prep	3050B			254097	10/25/18 17:50	GLL	TAL PLS
Total/NA	Analysis	6010B		4	254243	10/26/18 16:53	BKR	TAL PLS

Client Sample ID: SB-12
Date Collected: 10/23/18 14:35
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254103	10/25/18 10:08	MAB	TAL PLS
Total/NA	Analysis	8081A		1	254214	10/27/18 19:11	JZT	TAL PLS
Total/NA	Prep	3050B			254097	10/25/18 17:50	GLL	TAL PLS
Total/NA	Analysis	6010B		4	254243	10/26/18 16:57	BKR	TAL PLS

Client Sample ID: SB-13
Date Collected: 10/23/18 14:03
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254103	10/25/18 10:08	MAB	TAL PLS
Total/NA	Analysis	8081A		1	254214	10/27/18 19:27	JZT	TAL PLS
Total/NA	Prep	3050B			254097	10/25/18 17:50	GLL	TAL PLS
Total/NA	Analysis	6010B		4	254243	10/26/18 17:02	BKR	TAL PLS

Client Sample ID: SB-14
Date Collected: 10/23/18 12:10
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254103	10/25/18 10:08	MAB	TAL PLS
Total/NA	Analysis	8081A		1	254214	10/27/18 19:43	JZT	TAL PLS
Total/NA	Prep	3050B			254097	10/25/18 17:50	GLL	TAL PLS

Client Sample ID: SB-14

Date Collected: 10/23/18 12:10
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		4	254243	10/26/18 17:06	BKR	TAL PLS

Client Sample ID: SB-15

Date Collected: 10/23/18 12:32
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254103	10/25/18 10:08	MAB	TAL PLS
Total/NA	Analysis	8081A		1	254214	10/27/18 20:00	JZT	TAL PLS
Total/NA	Prep	3050B			254097	10/25/18 17:50	GLL	TAL PLS
Total/NA	Analysis	6010B		4	254243	10/26/18 17:20	BKR	TAL PLS

Client Sample ID: SB-16

Date Collected: 10/23/18 12:57
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254103	10/25/18 10:08	MAB	TAL PLS
Total/NA	Analysis	8081A		1	254313	10/30/18 13:06	JZT	TAL PLS
Total/NA	Prep	3050B			254097	10/25/18 17:50	GLL	TAL PLS
Total/NA	Analysis	6010B		4	254243	10/26/18 17:25	BKR	TAL PLS

Client Sample ID: SB-17

Date Collected: 10/23/18 11:24
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254103	10/25/18 10:08	MAB	TAL PLS
Total/NA	Analysis	8081A		1	254313	10/30/18 13:24	JZT	TAL PLS
Total/NA	Prep	3050B			254097	10/25/18 17:50	GLL	TAL PLS
Total/NA	Analysis	6010B		4	254243	10/26/18 17:30	BKR	TAL PLS

Client Sample ID: SB-18

Date Collected: 10/23/18 15:44
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254103	10/25/18 10:08	MAB	TAL PLS
Total/NA	Analysis	8081A		1	254313	10/30/18 13:41	JZT	TAL PLS
Total/NA	Prep	3050B			254097	10/25/18 17:50	GLL	TAL PLS
Total/NA	Analysis	6010B		4	254243	10/26/18 17:34	BKR	TAL PLS

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-19

Date Collected: 10/23/18 15:52
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254103	10/25/18 10:08	MAB	TAL PLS
Total/NA	Analysis	8081A		1	254313	10/30/18 13:59	JZT	TAL PLS
Total/NA	Prep	3050B			254097	10/25/18 17:50	GLL	TAL PLS
Total/NA	Analysis	6010B		4	254243	10/26/18 17:39	BKR	TAL PLS

Client Sample ID: SB-20

Date Collected: 10/23/18 16:03
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254103	10/25/18 10:08	MAB	TAL PLS
Total/NA	Analysis	8081A		1	254313	10/30/18 14:16	JZT	TAL PLS
Total/NA	Prep	3050B			254097	10/25/18 17:50	GLL	TAL PLS
Total/NA	Analysis	6010B		4	254243	10/26/18 17:44	BKR	TAL PLS

Client Sample ID: SB-21

Date Collected: 10/23/18 16:15
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254257	10/29/18 09:02	JNG	TAL PLS
Total/NA	Analysis	8081A		1	254312	10/30/18 12:46	JZT	TAL PLS
Total/NA	Prep	3050B			254109	10/26/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	254244	10/26/18 19:34	BKR	TAL PLS
Total/NA	Prep	3050B			254109	10/26/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	254326	10/29/18 20:34	OBI	TAL PLS

Client Sample ID: SB-22

Date Collected: 10/23/18 16:20
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254257	10/29/18 09:02	JNG	TAL PLS
Total/NA	Analysis	8081A		1	254313	10/30/18 08:43	JZT	TAL PLS
Total/NA	Prep	3050B			254109	10/26/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	254244	10/26/18 19:39	BKR	TAL PLS
Total/NA	Prep	3050B			254109	10/26/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	254326	10/29/18 20:38	OBI	TAL PLS

Client Sample ID: SB-23

Lab Sample ID: 720-89327-23

Date Collected: 10/23/18 11:10

Matrix: Solid

Date Received: 10/24/18 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254257	10/29/18 09:02	JNG	TAL PLS
Total/NA	Analysis	8081A		1	254313	10/30/18 09:00	JZT	TAL PLS
Total/NA	Prep	3050B			254109	10/26/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	254244	10/26/18 19:44	BKR	TAL PLS
Total/NA	Prep	3050B			254109	10/26/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	254326	10/29/18 20:43	OBI	TAL PLS

Client Sample ID: SB-24

Lab Sample ID: 720-89327-24

Date Collected: 10/23/18 11:02

Matrix: Solid

Date Received: 10/24/18 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254257	10/29/18 09:02	JNG	TAL PLS
Total/NA	Analysis	8081A		1	254313	10/30/18 09:18	JZT	TAL PLS
Total/NA	Prep	3050B			254109	10/26/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	254244	10/26/18 19:48	BKR	TAL PLS
Total/NA	Prep	3050B			254109	10/26/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	254326	10/29/18 20:48	OBI	TAL PLS

Client Sample ID: SB-25

Lab Sample ID: 720-89327-25

Date Collected: 10/23/18 10:46

Matrix: Solid

Date Received: 10/24/18 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254257	10/29/18 09:02	JNG	TAL PLS
Total/NA	Analysis	8081A		1	254313	10/30/18 09:35	JZT	TAL PLS
Total/NA	Prep	3050B			254109	10/26/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	254244	10/26/18 19:53	BKR	TAL PLS
Total/NA	Prep	3050B			254109	10/26/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	254326	10/29/18 20:52	OBI	TAL PLS

Client Sample ID: SB-26

Lab Sample ID: 720-89327-26

Date Collected: 10/23/18 10:20

Matrix: Solid

Date Received: 10/24/18 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254257	10/29/18 09:02	JNG	TAL PLS
Total/NA	Analysis	8081A		1	254313	10/30/18 09:53	JZT	TAL PLS
Total/NA	Prep	3050B			254109	10/26/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	254244	10/26/18 20:07	BKR	TAL PLS

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-27
Date Collected: 10/23/18 10:05
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254257	10/29/18 09:02	JNG	TAL PLS
Total/NA	Analysis	8081A		1	254313	10/30/18 10:10	JZT	TAL PLS
Total/NA	Prep	3050B			254109	10/26/18 08:44	SUN	TAL PLS
Total/NA	Analysis	6010B		4	254244	10/26/18 20:12	BKR	TAL PLS

Client Sample ID: SB-28
Date Collected: 10/23/18 09:53
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254124	10/25/18 12:36	JNG	TAL PLS
Total/NA	Analysis	8081A		1	254313	10/30/18 11:21	JZT	TAL PLS
Total/NA	Prep	3050B			254112	10/25/18 11:12	SUN	TAL PLS
Total/NA	Analysis	6010B		4	254419	10/30/18 17:31	BKR	TAL PLS

Client Sample ID: SB-29
Date Collected: 10/23/18 08:53
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254124	10/25/18 12:36	JNG	TAL PLS
Total/NA	Analysis	8081A		5	254406	10/31/18 08:27	JZT	TAL PLS
Total/NA	Prep	3050B			254112	10/25/18 11:12	SUN	TAL PLS
Total/NA	Analysis	6010B		4	254419	10/30/18 17:36	BKR	TAL PLS

Client Sample ID: SB-30
Date Collected: 10/23/18 09:10
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254124	10/25/18 12:36	JNG	TAL PLS
Total/NA	Analysis	8081A		1	254406	10/31/18 08:11	JZT	TAL PLS
Total/NA	Prep	3050B			254112	10/25/18 11:12	SUN	TAL PLS
Total/NA	Analysis	6010B		4	254419	10/30/18 17:40	BKR	TAL PLS

Client Sample ID: SB-31
Date Collected: 10/23/18 09:20
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254124	10/25/18 12:36	JNG	TAL PLS
Total/NA	Analysis	8081A		1	254313	10/30/18 11:04	JZT	TAL PLS
Total/NA	Prep	3050B			254112	10/25/18 11:12	SUN	TAL PLS

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Client Sample ID: SB-31
Date Collected: 10/23/18 09:20
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		4	254419	10/30/18 17:45	BKR	TAL PLS

Client Sample ID: SB-32
Date Collected: 10/23/18 10:33
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254124	10/25/18 12:36	JNG	TAL PLS
Total/NA	Analysis	8081A		1	254313	10/30/18 12:14	JZT	TAL PLS
Total/NA	Prep	3050B			254112	10/25/18 11:12	SUN	TAL PLS
Total/NA	Analysis	6010B		4	254419	10/30/18 17:59	BKR	TAL PLS

Client Sample ID: SB-33
Date Collected: 10/23/18 09:34
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254124	10/25/18 12:36	JNG	TAL PLS
Total/NA	Analysis	8081A		1	254313	10/30/18 12:31	JZT	TAL PLS
Total/NA	Prep	3050B			254112	10/25/18 11:12	SUN	TAL PLS
Total/NA	Analysis	6010B		4	254419	10/30/18 18:04	BKR	TAL PLS

Client Sample ID: SB-34
Date Collected: 10/23/18 09:42
Date Received: 10/24/18 14:30

Lab Sample ID: 720-89327-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			254124	10/25/18 12:36	JNG	TAL PLS
Total/NA	Analysis	8081A		1	254313	10/30/18 12:49	JZT	TAL PLS
Total/NA	Prep	3050B			254112	10/25/18 11:12	SUN	TAL PLS
Total/NA	Analysis	6010B		4	254419	10/30/18 18:08	BKR	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Method	Method Description	Protocol	Laboratory
8081A	Organochlorine Pesticides (GC)	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS
3050B	Preparation, Metals	SW846	TAL PLS
3546	Microwave Extraction	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: CT Realty - Stockton, CA

TestAmerica Job ID: 720-89327-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-89327-1	SB-01	Solid	10/23/18 15:07	10/24/18 14:30
720-89327-2	SB-02	Solid	10/23/18 14:51	10/24/18 14:30
720-89327-3	SB-03	Solid	10/23/18 13:40	10/24/18 14:30
720-89327-4	SB-04	Solid	10/23/18 11:56	10/24/18 14:30
720-89327-5	SB-05	Solid	10/23/18 15:15	10/24/18 14:30
720-89327-6	SB-06	Solid	10/23/18 14:38	10/24/18 14:30
720-89327-7	SB-07	Solid	10/23/18 13:50	10/24/18 14:30
720-89327-8	SB-08	Solid	10/23/18 11:49	10/24/18 14:30
720-89327-9	SB-09	Solid	10/23/18 12:21	10/24/18 14:30
720-89327-10	SB-10	Solid	10/23/18 12:49	10/24/18 14:30
720-89327-11	SB-11	Solid	10/23/18 15:30	10/24/18 14:30
720-89327-12	SB-12	Solid	10/23/18 14:35	10/24/18 14:30
720-89327-13	SB-13	Solid	10/23/18 14:03	10/24/18 14:30
720-89327-14	SB-14	Solid	10/23/18 12:10	10/24/18 14:30
720-89327-15	SB-15	Solid	10/23/18 12:32	10/24/18 14:30
720-89327-16	SB-16	Solid	10/23/18 12:57	10/24/18 14:30
720-89327-17	SB-17	Solid	10/23/18 11:24	10/24/18 14:30
720-89327-18	SB-18	Solid	10/23/18 15:44	10/24/18 14:30
720-89327-19	SB-19	Solid	10/23/18 15:52	10/24/18 14:30
720-89327-20	SB-20	Solid	10/23/18 16:03	10/24/18 14:30
720-89327-21	SB-21	Solid	10/23/18 16:15	10/24/18 14:30
720-89327-22	SB-22	Solid	10/23/18 16:20	10/24/18 14:30
720-89327-23	SB-23	Solid	10/23/18 11:10	10/24/18 14:30
720-89327-24	SB-24	Solid	10/23/18 11:02	10/24/18 14:30
720-89327-25	SB-25	Solid	10/23/18 10:46	10/24/18 14:30
720-89327-26	SB-26	Solid	10/23/18 10:20	10/24/18 14:30
720-89327-27	SB-27	Solid	10/23/18 10:05	10/24/18 14:30
720-89327-28	SB-28	Solid	10/23/18 09:53	10/24/18 14:30
720-89327-29	SB-29	Solid	10/23/18 08:53	10/24/18 14:30
720-89327-30	SB-30	Solid	10/23/18 09:10	10/24/18 14:30
720-89327-31	SB-31	Solid	10/23/18 09:20	10/24/18 14:30
720-89327-32	SB-32	Solid	10/23/18 10:33	10/24/18 14:30
720-89327-33	SB-33	Solid	10/23/18 09:34	10/24/18 14:30
720-89327-34	SB-34	Solid	10/23/18 09:42	10/24/18 14:30

TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Phone: 925-484-1919

720-89327

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact	Project Manager: Alicia Jansen	Site Contact: Rob Ellis	Date: 10-18-19	COC No
Stantec Consulting Services Inc	Tel/Fax: 909-255-8213	Lab Contact: Asfenah Saiyar	Carrier: Courier	1 of 3 COCs
735 E Carnegie Drive, Ste 280	Analysis Turnaround Time			Sampler: Alicia Jansen
San Bernardino, CA 92408	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
Phone (909) 255-8213	TAT if different from Below STANDARD 5 Day			Walk-in Client
Fax (909) 335-6120	☐ 2 weeks			Lab Sampling
Project Name CT Realty	☐ 1 week			
Site: Sanchez Farmland	☐ 2 days			
STANTEC PN 185804299	☐ 1 day			

720-89327 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Arsenic/Lead by EPA 6010B	Organochlorine Pesticides by 8081A	Sample Specific Notes
SB-01	10-23-18	15:07	G	S	1	N	N	X	X	
SB-02	10-23-18	14:51	G	S	1	N	N	X	X	
SB-03	10-23-18	13:40	G	S	1	N	N	X	X	
SB-04	10-23-18	11:56	G	S	1	N	N	X	X	
SB-05	10-23-18	15:15	G	S	1	N	N	X	X	
SB-06	10-23-18	14:39	G	S	1	N	N	X	X	
SB-07	10-23-18	13:50	G	S	1	N	N	X	X	
SB-08	10-23-18	11:49	G	S	1	N	N	X	X	
SB-09	10-23-18	12:21	G	S	1	N	N	X	X	
SB-10	10-23-18	12:49	G	S	1	N	N	X	X	
SB-11	10-23-18	15:30	G	S	1	N	N	X	X	
SB-12	10-23-18	14:35	G	S	1	N	N	X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: . Provide Level II PDF and Standard Format EDD to alicia.jansen@stantec.com

1.1°C, 1.2°C 2.1°C 1.5°C

Custody Seals Intact. ☐ Yes ☐ No	Custody Seal No	Cooler Temp (°C) Obs'd:	Corr'd:	Therm ID No.:

Relinquished by: DHAWAL CHHEDA	Company: STANTEC	Date/Time: 10/24/18 11:25	Received by:	Company: TA-PLS	Date/Time: 10-24-18 11:25
Relinquished by	Company: TA PLS	Date/Time: 10/24/18 14:30	Received by:	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by:	Company: TA-PLS	Date/Time: 10/24/18 14:30

TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Phone 925-484-1919

720-89327

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact	Project Manager: Alicia Jansen	Site Contact: Rob Ellis	Date: 10-16-19	COC No.
Stantec Consulting Services Inc	Tel/Fax: 909-255-8213	Lab Contact: Asfenah	Carrier: Courier	2 of 3 COCs
735 E. Carnegie Drive, Ste 280	**Analysis Turnaround Time**			Sampler: Alicia Jansen
San Bernardino, CA 92408	☐ CALENDAR DAYS ☑ WORKING DAYS			**For Lab Use Only:**
Phone (909) 255-8213	TAT if different from Below STANDARD 5 Day			Walk-in Client:
Fax (909) 335-6120	☐ 2 weeks			Lab Sampling
Project Name: CT Realty	☐ 1 week			
Site: Sanchez Farmland	☐ 2 days			Job / SDG No .
STANTEC PN 185804299	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Arsenic/Lead by EPA 6010B	Organochlorine Pesticides by 8081A	Sample Specific Notes.
SB-13	10-23-18	14:03	G	S	1	N	N	X	X	
SB-14	10-23-18	12:10	G	S	1	N	N	X	X	
SB-15	10-23-18	12:32	G	S	1	N	N	X	X	
SB-16	10-23-18	12:57	G	S	1	N	N	X	X	
SB-17	10-23-18	11:24	G	S	1	N	N	X	X	
SB-18	10-23-18	15:44	G	S	1	N	N	X	X	
SB-19	10-23-18	15:52	G	S	1	N	N	X	X	
SB-20	10-23-18	16:03	G	S	1	N	N	X	X	
SB-21	10-23-18	16:15	G	S	1	N	N	X	X	
SB-22	10-23-18	16:20	G	S	1	N	N	X	X	
SB-23	10-23-18	11:10	G	S	1	N	N	X	X	
SB-24	10-23-18	11:02	G	S	1	N	N	X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for ___ Months

Special Instructions/QC Requirements & Comments: . Provide Level II PDF and Standard Format EDD to alicia.jansen@stantec.com

Custody Seals Intact ☐ Yes ☐ No	Custody Seal No..		Cooler Temp (°C): Obs'd:_____ Corr'd._____ Therm ID No _____		
Relinquished by: DHAWAL CHHEDA	Company: STANTEC	Date/Time: 10/24/18 11:25	Received by:	Company: TA PLS	Date/Time 10-24-18 11:25
Relinquished by:	Company: TA PLS	Date/Time: 14:30 10/24/18	Received by	Company:	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company TA-PLS	Date/Time 10/24/18 1430

10/31/2018

TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Phone 925-484-1919

720-89327

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

10/31/2018

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Alicia Jansen	Site Contact: Rob Ellis	Date: 10-23-19	COC No
Stantec Consulting Services Inc	Tel/Fax: 909-255-8213	Lab Contact: Asfenah	Carrier: Courier	3 of 3 COCs
735 E Carnegie Drive, Ste 280	**Analysis Turnaround Time**			Sampler: Alicia Jansen
San Bernardino, CA 92408	☐ CALENDAR DAYS ☑ WORKING DAYS			**For Lab Use Only:**
Phone (909) 255-8213	TAT if different from Below STANDARD 5 Day			Walk-in Client
Fax (909) 335-6120	☐ 2 weeks			Lab Sampling
Project Name: CT Realty	☐ 1 week			
Site Sanchez Farmland	☐ 2 days			Job / SDG No
STANTEC PN. 185804299	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Arsenic/Lead by EPA 6010B	Organochlorine Pesticides by 8081A	Sample Specific Notes
~~SB-24~~	~~10-23-18~~		~~G~~	~~S~~	~~1~~	~~N~~	~~N~~	~~X~~	~~X~~	
SB-25	10-23-18	10:46	G	S	1	N	N	X	X	
SB-26	10-23-18	10:20	G	S	1	N	N	X	X	
SB-27	10-23-18	10:05	G	S	1	N	N	X	X	
SB-28	10-23-18	09:53	G	S	1	N	N	X	X	
SB-29	10-23-18	09:53	G	S	1	N	N	X	X	
SB-30	10-23-18	09:10	G	S	1	N	N	X	X	
SB-31	10-23-18	09:20	G	S	1	N	N	X	X	
SB-32	10-23-18	10:32	G	S	1	N	N	X	X	
SB-33	10-23-18	09:34	G	S	1	N	N	X	X	
SB-34	10-23-18	09:42	G	S	1	N	N	X	X	
	~~10-23-18~~		~~G~~	~~S~~	~~1~~	~~N~~	~~N~~	~~X~~	~~X~~	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for__ ____ Months

Special Instructions/QC Requirements & Comments: . Provide Level II PDF and Standard Format EDD to alicia.jansen@stantec.com

Custody Seals Intact. ☐ Yes ☐ No	Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd: _____ Therm ID No.: _____		
Relinquished by: DHAWAL CHHEDA	Company: STANTEC	Date/Time: 10/24/18 11:25	Received by:	Company: TA PLS	Date/Time: 10-24-18 11:25
Relinquished by:	Company: TA PLS	Date/Time: 10-24-18	Received by:	Company:	Date/Time
Relinquished by:	Company	Date/Time	Received in Laboratory by:	Company: TA-PLS	Date/Time: 10/24/18 14:30

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 720-89327-1

Login Number: 89327
List Number: 1
Creator: Bullock, Tracy

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

FEIR APPENDIX III
HEALTH RISK ASSESSMENT

Draft Analysis of Public Health Risks At a Proposed Land Use Development

Stockton, California

May 20, 2020

Prepared For:
BaseCamp Environmental, Inc.
115 South School Street
Suite 14
Lodi, CA 95240
Contact: Charlie Simpson

Prepared By:
Environmental Permitting Specialists
7068 Riverside Boulevard
Sacramento, CA 95831
Contact: Ray Kapahi, Principal
Tel: 916-687-8352
Ray.Kapahi@gmail.com

TABLE OF CONTENTS

SECTION 1: INTRODUCTION..... 3

1.1 Background and Facility Location
1.2 Scope of a Health Risk Assessment
1.3 Significance Criteria
1.4 Report Organization

SECTION 2: PROCESS DESCRIPTION AND SUMMARY OF EMISSIONS 7

2.1 Construction (Short-Term) Emissions
2.2 Operational (Long-Term) Emissions

SECTION 3: EXPOSURE ASSESSMENT..... 9

3.1 Model Setup and Options
3.2 Modeling Grid
3.3 Meteorological Data

SECTION 4: HEALTH RISK ANALYSIS 13

4.1 Cancer Risks – Construction Phase
4.2 Cancer Risks – Operational Phase
4.3 Cumulative Health Risks

SECTION 5: RESULTS AND CONCLUSIONS..... 18

SECTION 5: REFERENCES..... 19

APPENDIX

A: Construction and Operational Emissions
B: Traffic Data
C: Detailed Emission Calculations
D: Excerpts of AERMOD Model Reports
E: Excerpts of HARP Risk Model Reports

SECTION 1: INTRODUCTION

1.1 Background and Project Area

Environmental Permitting Specialists (EPS) has been retained by BaseCamp Environmental, Inc. (BaseCamp) to evaluate public health risks associated with the proposed Sanchez-Hoggan Annexation Project to be located in Stockton (San Joaquin County County), California. This risk analysis is in support of the Draft Environmental Impact Report (DEIR) being reviewed by the City of Stockton.

The proposed project development would consist of warehouse buildings on two sites. The two sites are located near Stockton Airport and would occupy a total of 2,796,948 square feet of two lots 150 acres and 20.76 acres in size. Figures 1-1 and 1-2 illustrate the overall project location and the two project sites, respectively. Construction is expected to begin in January 2021 and be completed by the end of 2021. Full buildout is expected in 2026 with full occupancy expected in 2027.

Both construction-related and long-term health risks are evaluated. Public health risks refer to three (3) types of risks. These are:

1. Cancer Risk
2. Acute Non-Cancer Risk
3. Chronic Non-Cancer Risk

The objective of the risk assessment is to determine if the proposed project is likely to expose nearby residents or workers to significant health risks. The criteria used to determine if health risks are significant is discussed in Section 1.3 of this report.

1.2 Scope of the Risk Assessment

Preparation of risk assessments is a three step process. The first step is to identify potential contaminants that may lead to public health risks. The second step is to assess the amount of contaminants that may reach the public (exposure assessment). The last step is to calculate the magnitude of the health risk as a result of exposure to harmful contaminants on the basis of the toxicology of the contaminants.

The Office of Environmental Health Hazard Assessment (OEHHA), and the San Joaquin Valley Air Pollution Control District (SJVAPCD) have provided guidance on the procedures that should be used, including, toxicological data for individual contaminants. While this risk assessment uses certain procedures and data from OEHHA and SJVAPCD Guidelines dated March 19, 2015, this

assessment is not intended to satisfy the reporting requirements under the AB-2588 "Air Toxics" Hot Spots program.

1.3 Significance Criteria

The following significance criteria are used in this report to assess the significance of public health risks. These criteria are based on the SJVAPCD Guidelines for Assessing and Mitigating Air Quality Impacts. These Guidelines are designed to inform the public and the Lead Agencies of the extent of airborne emissions from stationary sources and the potential public health impacts associated with such emissions.

Table 1-1
Thresholds of Significance for Public Health Risks

Risk Metric	Project Level	Cumulative
Residential Lifetime Cancer Risk	20 cancers per million	SJVAPCD has Not Established Thresholds for Cumulative Impacts. Lead Agencies May Select Cumulative Thresholds.
Workplace Cancer Risk	20 cancers per million	
Chronic Hazard Index	1	
Acute Hazard Index	1	

1.4 Report Organization

This report is divided into four Sections and two Appendices. Immediately following this Introduction, Section 2 discusses the short-term (construction related) and long-term (operational or occupancy phase) emissions associated with the project. This is followed by Section 3 that describes the exposure assessment. This assessment described the data and tools used to determine the dispersion pattern of emissions from the project. This analysis takes into account the location of nearby homes and businesses, local wind patterns and topography. Section 4 describes the risk calculation that combines the results from Sections 2 and 3 to calculate health risks. The report concludes with Section 4 that discusses the results and the significance of the findings. Technical data and calculations appear in the Appendices.

Figure 1-1
Vicinity Map

Source: BaseCamp Environmental, Inc.

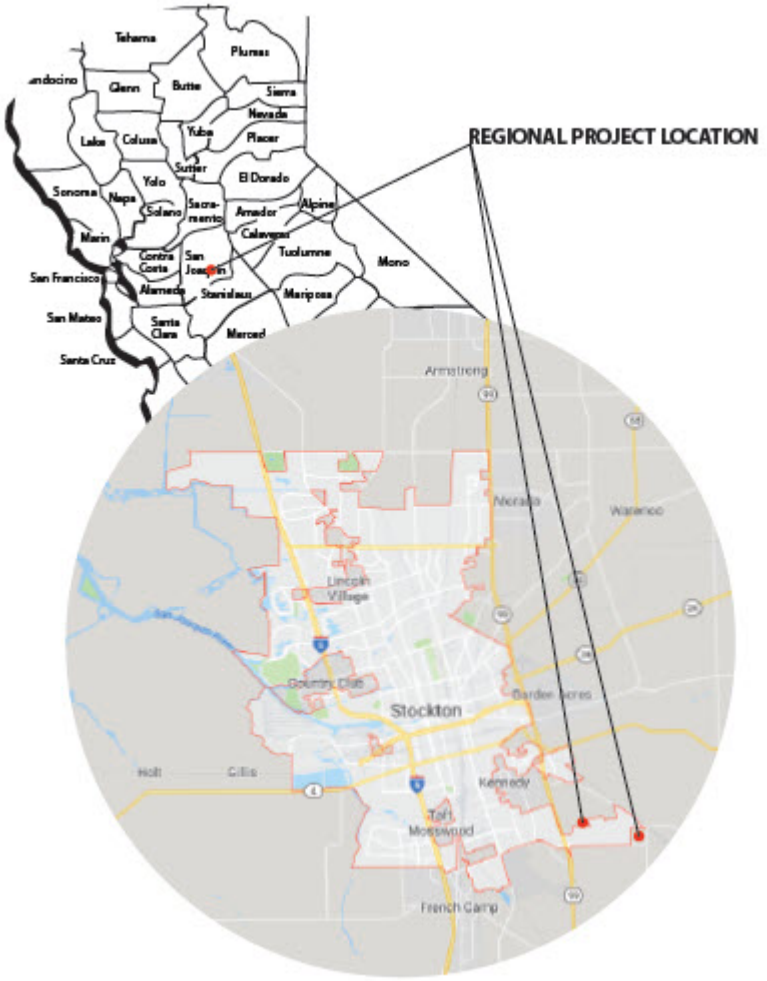


Figure 1-2
Site Map

Source: BaseCamp Environmental, Inc.



SOURCE: Google Maps

SECTION 2: EMISSIONS SUMMARY

EPS evaluated both short-term and long term emissions of toxic air contaminants (TACs) for this project. Short-term emissions are associated with the construction phase and typically last 1 to 2 years depending on the project and construction schedule. Long-term emissions are associated with operational or occupancy phase.

EPS relied, in part, on air quality analysis completed by BaseCamp that provided annual emissions during the construction and operational phases. These data were supplemented with additional data such as emissions from idling of diesel trucks, on-site movement of trucks, emissions from transport refrigeration units, and re-suspension of road dust.

2.1 Construction (Short-Term) Emissions

The main toxic air contaminant associated with construction is diesel exhaust consisting of fine particulate matter (DPM) from construction equipment. Emissions of fine particulate matter (PM-2.5) from construction equipment is used as a surrogate of DPM.

EPS reviewed the March 6, 2020 DEIR and technical appendices that analyzed construction and operational related air emissions. The Appendices included CalEEMod reports providing daily and annual emissions for the construction and operational phases. These emissions, which were updated in a CalEEMOD report attached to the Final EIR, are summarized below in Table 2-1. The annual emissions under "Exhaust PM2.5" serve as a surrogate of DPM emissions and was used in calculating construction related health risks. The average annual emission rate of DPM for both properties is estimate to be 0.0663 tons per year or 132.6 pounds per year. These emissions are apportioned to the two properties based on their area. On this basis, the 132.6 pounds per year would be divided into 120.1 lbs/yr and 12.5 lbs/yr for the Sanchez and Hoggan properties respectively. An excerpt of the CalEEMod emissions report is provided in Appendix A.

2.2 Operational (Long-Term) Emissions

Long-term (occupancy phase) toxic emissions are associated with several on-site and off-site activities. Off-site emissions were calculated within ¼ mile of the project boundary. The ¼ mile "zone of influence" is recommended by District staff. The sources of emissions are summarized in Table 2-1.

Table 2-1 Summary of Emission Sources (Operational Phase)	
On-Site Emission Sources	**Off-Site Emission Sources**
Truck Idle - DPM	Light and Heavy Duty Trucks - DPM,
Transport Refrigeration Units - DPM	Automobile Travel - various TACs
On-Site Truck Movement - DPM	

The average daily volume of trucks was provided by K. D. Anderson and is shown in Figure 2-1. Additional data are provided in Appendix B.

Figure 2-1
Truck Routing and Daily Volume



A summary of emissions is provided in Tables 2-2 and 2-3. Detailed calculations are provided in Appendix C.

Table 2-2

Summary of Emissions - Hoggan Property

Pollutant	On-Site Truck Idle, etc.	Off-Site Truck Travel	Off-Site and On-Site Auto Travel		Total (lbs/day)
DPM	0.279	0.099	None		0.38
1,3 Butadiene			0.232		0.232
Acetaldehyde			0.192		0.192
Benzene			3.131		3.131
Formaldehyde			0.890		0.890

Figure 2-3

Summary of Emissions - Sanchez Property

Pollutant	On-Site Truck Idle, TRUs, etc.	Off-Site Truck Travel	Off-Site and On-Site Auto Travel		Total (lbs/day)
DPM	3.47	1.23	None		4.70
1,3 Butadiene			3.06		3.06
Acetaldehyde			2.52		2.52
Benzene			41.26		41.26
Formaldehyde			11.73		11.73

The emissions presented in Tables 2-2 and 2-3 indicate a very low level of emissions. This is due to the low traffic volume and the low level of tailpipe emissions. For example, based on EMFAC 2017 emissions model, a heavy truck releases only 0.0077 grams per mile or 0.00027 ounces per mile of DPM. See excerpts of the EMFAC 2017 emissions report in Appendix C. For 858 trucks, this equates to 0.23 ounces of DPM per mile. For idling the rate of DPM emissions is predicted to equal 0.00068 grams per day per truck or 0.58 grams of DPM per day for all trucks.

SECTION 3: EXPOSURE ASSESSMENT

Exposure assessment involves translating the emission rate (e.g., lbs/hr) of individual toxic air contaminants (presented in Tables 2-1 and 2-4) into the concentration (e.g., grams/cubic meter or parts per million) of each toxic air contaminant. The key step in performing an exposure assessment is the application of an air dispersion model. The dispersion model incorporates the local meteorological data (wind speed, wind direction, local temperature, inversion heights, etc.), stack height, exhaust flow characteristics, into the concentration of individual air contaminant. EPA and the SJVAPCD recommended AERMOD dispersion model (Version 19191) was employed in the current exposure assessment. The plot files created using Lakes Environmental (AERMODVIEW) Version 9.8.3 were exported into the HARP model.

This section discusses the model set-up, the extent of the modeling area, and the choice and duration of meteorological data.

3.1 Model Set-Up

The following regulatory default options were used. They are based on the latest EPA guidance on running AERMOD.

- Use of Calm Wind Processing
- Use of Missing Data Processing

For the construction phase, the emissions were modeled as a single area source. For the operational phase, emissions were modeled as two single area source plus additional line sources representing roadways leading to the project sites. See Figure 3-1.

Emissions from the logistics park were modeled as a ground based area source. Emissions from vehicle movement were modeled as line sources. The line sources are treated as a series of small area sources in the AERMOD model. Adjustment due to changes in elevation in the modeling area were included using the digital elevation model (DEM)[1] terrain data.

For the construction phase, emissions were assumed to occur between 7 am and 4 pm. For the operational phase, emissions were assumed to occur 24/7.

3.2 Modeling Grid and Coordinate System

A rectangular (x-y) Cartesian coordinate system was used. A region 6,675 x 6,675 meters (4 miles x 4 miles) was used. The modeling region divided into 50 meter cells for a total of 8,100 individual receptors in the vicinity of the project area. See Figure 3-1 for a layout of the modeling grid.

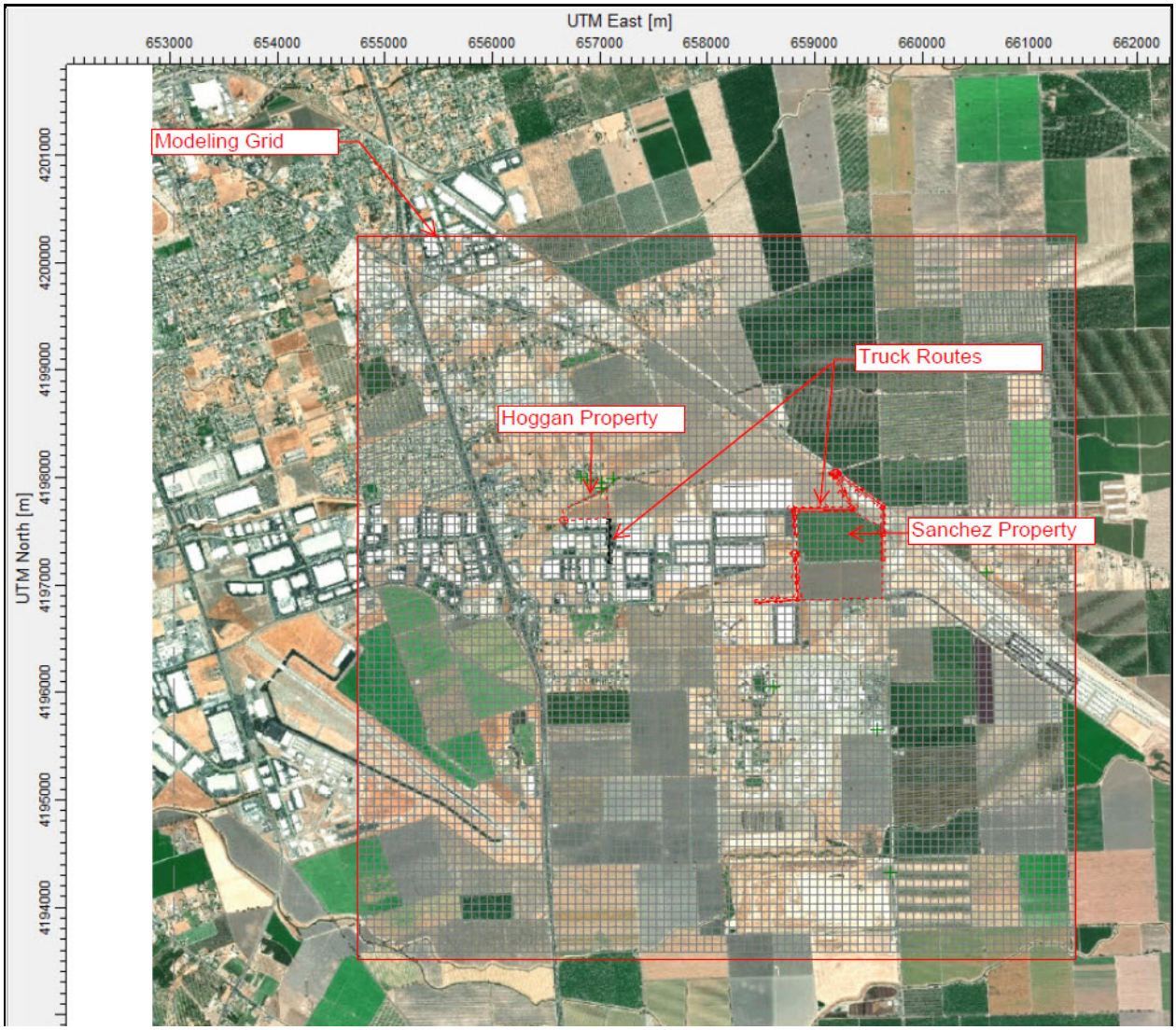
3.3 Meteorological Data

Five years (2013 to 2017) of meteorological data was used in the exposure assessment. The surface data (wind speed, wind direction, temperature, etc.) were recorded at Stockton Airport located 1.5 miles to the Southwest. These data were obtained from the District website.

In addition to surface meteorological data, hourly inversion height data are also required. Four years of data from the nearest upper air station (Oakland Airport, CA) were used to develop hourly inversion heights.

[1] Information available at: https://www.usgs.gov/faqs/what-are-digital-elevation-models-dems?qt-news_science_products=0#qt-news_science_products

Figure 3-1
Lay-Out of Modeling Grid and Emission Sources



SECTION 4: HEALTH RISK ANALYSIS

Health risks from exposure to various toxic air contaminants is discussed in this section. The emission rates of various TACs discussed in Section 2 are used as a basis to quantify various health risks. EPS used the HARP2 risk model developed by CARB and the Office of Environmental Health Hazard Assessment (OEHHA)[2] to calculate the actual health risks. As noted in Section 1, three types of health risks were calculated (cancer, chronic non-cancer, and acute non-cancer).

4.1 Cancer Risks – Construction Phase

The modeling results for the construction phase are shown in Figure 4-1. This figure shows the spatial distribution of cancer risk in the vicinity of the project site. The results show that the cancer risk varies between 0.3 to less than 0.01 cancers per million depending on location. The maximum cancer risk at the closest residential area located South of Marfargoa Road just North of Hoggan property (Figure 4-2). The risk at this location is 0.27 cancers per million.

4.2 Cancer Risks – Operational Phase

The spatial distribution of residential (70 year) cancer risk is shown in Figure 4-3. The results show that the cancer risk varies between 0.5 to less than 0.01 cancers per million depending on location. As with the construction phase, the maximum cancer risk occurs at homes located South of Marfargoa Road just North of Hoggan property. The maximum 70 year residential risk is estimated to be 0.472 cancers per million.

The maximum non-cancer risks at nearby homes are calculated in terms of a hazard index (HI) as follows:

Maximum Chronic Non-Cancer (HI);	< 0.001
Maximum Acute Non-Cancer HI:	0.0089

Excerpts of the HARP2 model showing the calculated health risks are provided in Appendix D.

[2] OEHHA Hotspots Analysis and Reporting Program (HARP) available at: https://ww3.arb.ca.gov/toxics/harp/harp.htm

Figure 4-1
Spatial Variation of Cancer Risk per Million
Construction Phase

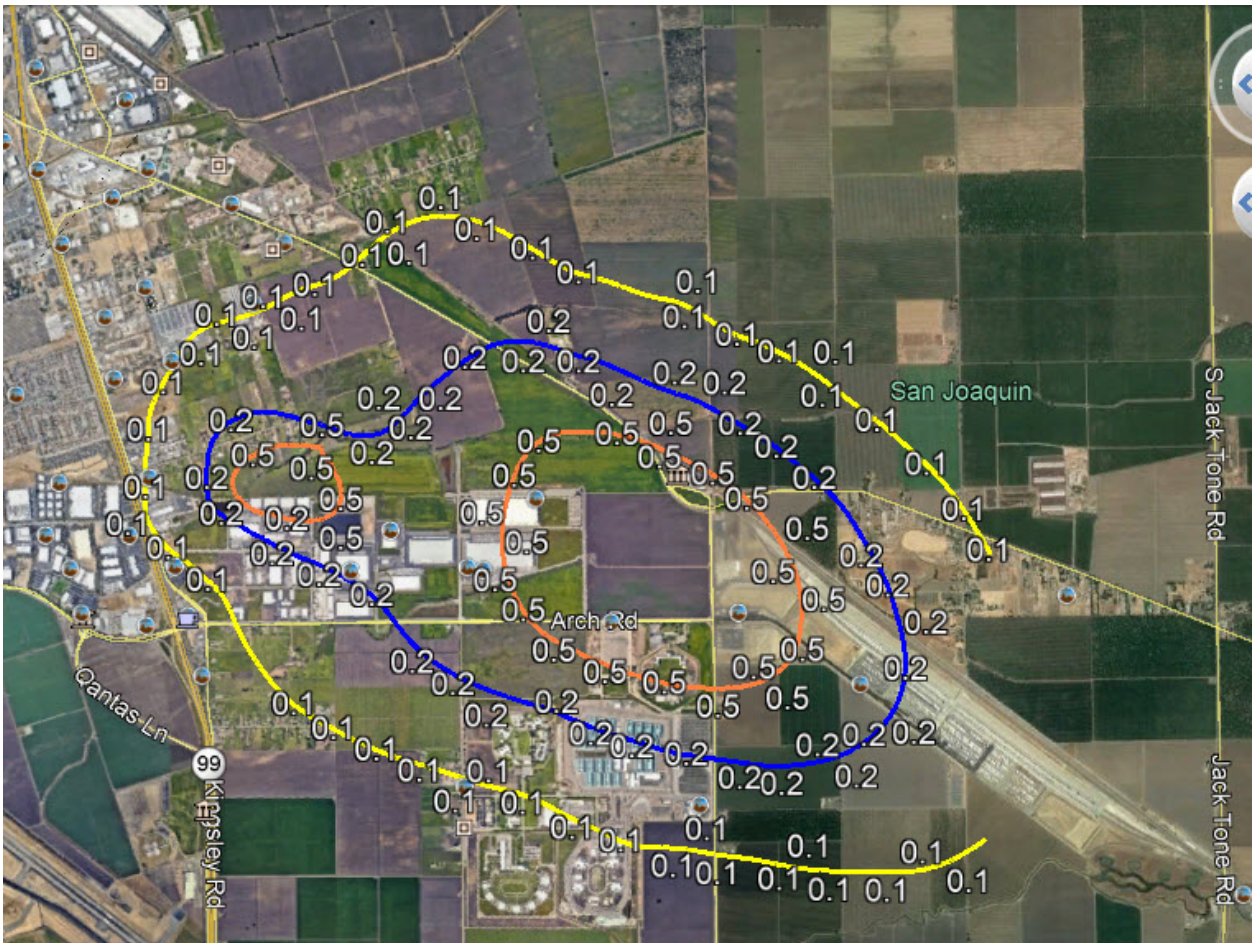


Figure 4-2
Spatial Variation of Cancer Risk per Million
Construction Phase
Detail Risk Variation Near the Hoggan Property

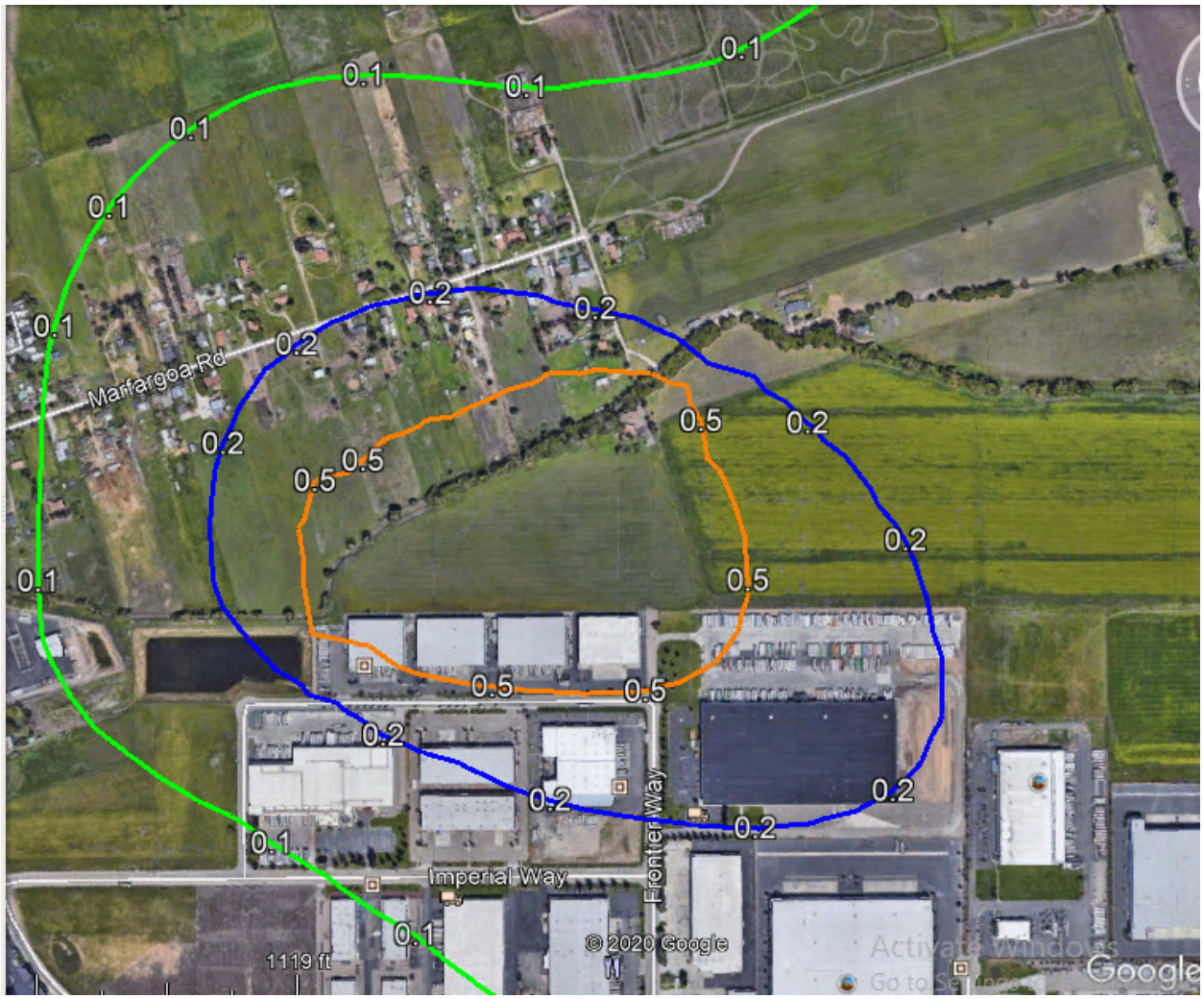
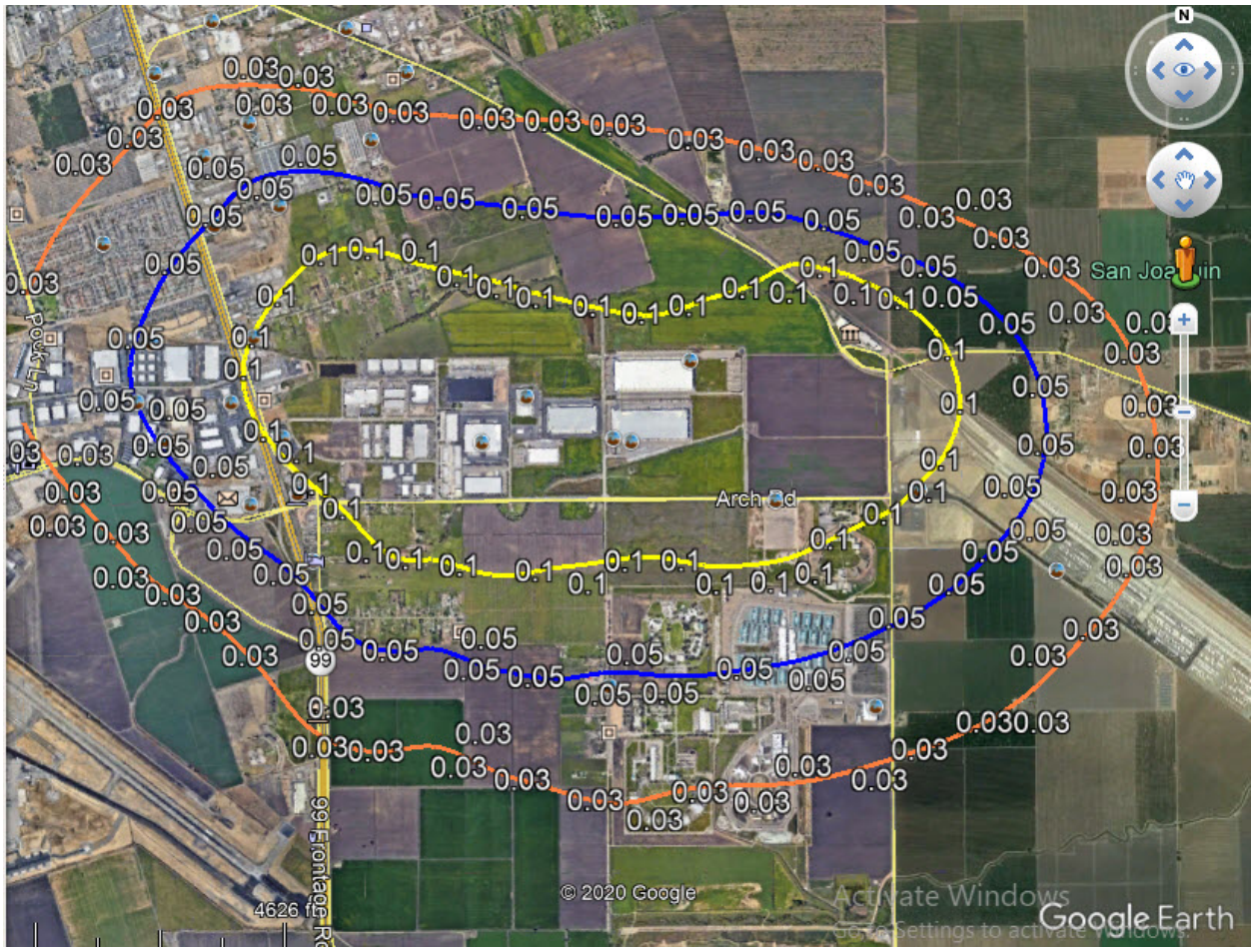


Figure 4-3
Spatial Variation of 70 Year Residential Cancer Risk per Million
Operational Phase



4.3 Cumulative Health Risks

The main air pollutant associated with public health risk is DPM. As noted previously in this report, PM-2.5 is a surrogate for DPM. The state's Air Resources Board has established stringent emission control for DPM emissions. These controls require that all diesel fueled equipment and vehicles comply with increasingly stringent tailpipe emissions. Al equipment will have to use Tier 4 engines to minimize DPM emissions.

In addition to the state's requirement, the SJVAPCD developed a Plan to further reduce PM-2.5 emissions. This Plan was developed in 2018 and was approved by the ARB and the EPA.

Consistent with CEQA Guidelines section 15064(h)(3), a Lead Agency may determine that a project's incremental contribution to a cumulative effect is not cumulatively considerable if the project complies with the requirements in a previously approved plan or mitigation program. Since this project is in compliance with both ARB and SJVAPCD Plans and mitigation requirements, the cumulative impacts are less than significant.

SECTION 5: RESULTS AND CONCLUSIONS

The results of the current analysis are summarized in Table 4-1. These results demonstrate that public health risks associated with the construction or operation of the proposed Sanchez Hoggan Annex project would not lead to significant public health risks. Note that there are no chronic or acute recommended exposure levels for DPM, therefore, acute and chronic hazard indices were not calculated.

Table 4-1
Summary of Maximum Project Level Health Risks

Risk Metric	Construction Phase	Operational (Occupancy) Phase	Significance Threshold	Significant?
Maximum Residential Cancer Risk	0.27 (per million)	0.47 (per million)	20 (per million)	No
Maximum Chronic Hazard Index	N/A	0.0037	1.0	No
Maximum Acute Hazard Index	N/A	0.021	1.0	No

The risk assessment process contains numerous, conservative assumption to ensure that public health risks are not underestimated. These assumptions are related to the exposure duration, toxicity data and use of Gaussian type statistical atmospheric dispersion models. For example, it is very unlikely any individual would remain at the same location for 70 years. As a result, this assumption substantially overstated the exposure and the health risks presented in this report.

SECTION 6: REFERENCES

BAAQMD (2017) "California Environmental Quality Act Air Quality Guidelines", Available at: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en

CalEPA (2012) "Technical Support Document for Exposure Assessment and Stochastic Analysis. Office of Environmental Health Hazard Assessment. California Environmental Protection Agency, August 2012.

CARB (2003) HARP User's Guide. Available at: http://www.arb.ca.gov/toxics/harp/harp.htm December 2003.

EPA (2004) "User's Guide for the AMS/EPA Regulatory Model – AERMOD". EPA Document No. EPA=454/B-03-001 September 2004.

OEHHA (2014) Consolidated Table of Approved health Risk Values. Cal EPA, Office of Environmental Health Hazard Assessment. Available at: file:///C:/2014%20Feather%20River%20AQMD/Hollycross%20Cemetary/OEHHA%20contable.pdf. July 3, 2014.

APPENDIX A

Construction and Operational Emissions

Sanchez Hoggan Market Driven Project

San Joaquin County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-Rail	632.12	1000sqft	14.51	632,120.00	0
Unrefrigerated Warehouse-No Rail	291.47	1000sqft	6.69	291,468.00	0
Unrefrigerated Warehouse-Rail	1,181.04	1000sqft	27.11	1,181,040.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	51
Climate Zone	2			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Construction Phase - No demolition.

Trips and VMT - No demolition.

Architectural Coating - Per SJVAPCD Rule 4601.

Vehicle Trips - Trip generation rates from ITE Trip Generation Maunual and traffic study. C-NW miles based on factors in EMFAC2017.

Consumer Products - Emission factor from ARB using updated information.

Area Coating - Per SJVAPCD Rule 4601.

Operational Off-Road Equipment - Anticipated 42 forklifts to be diesel, others electrical. Horsepower from equipment dealer site.

Water Mitigation - Per SBX7-7.

Waste Mitigation - Per AB 341.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	50
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	50	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	50	0
tblAreaMitigation	UseLowVOCPaintParkingValue	150	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	150	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConsumerProducts	ROG_EF	2.14E-05	1.25E-05
tblFleetMix	LDA	0.57	0.51
tblFleetMix	LDA	0.57	0.54
tblFleetMix	LDA	0.57	0.51
tblFleetMix	LHD1	0.01	0.05
tblFleetMix	LHD1	0.01	0.03

tblFleetMix	LHD2	4.1720e-003	0.02
tblFleetMix	LHD2	4.1720e-003	0.02
tblFleetMix	LHD2	4.1720e-003	0.02
tblFleetMix	MHD	0.02	0.03
tblFleetMix	MHD	0.02	0.04
tblGrading	AcresOfGrading	15.00	0.00
tblLandUse	LandUseSquareFeet	291,470.00	291,468.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	247.00	255.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOperationalOffRoadEquipment	OperHorsePower	89.00	17.00

tblOperationalOffRoadEquipment	OperLoadFactor	0.20	0.20
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	42.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	5.00
tblTripsAndVMT	WorkerTripNumber	23.00	10.00
tblTripsAndVMT	WorkerTripNumber	23.00	18.00
tblVehicleTrips	CNW_TL	7.30	15.00
tblVehicleTrips	CNW_TL	7.30	15.00
tblVehicleTrips	CNW_TL	7.30	15.00
tblVehicleTrips	ST_TR	1.68	5.20
tblVehicleTrips	ST_TR	1.68	1.40
tblVehicleTrips	ST_TR	1.68	1.71
tblVehicleTrips	SU_TR	1.68	5.20
tblVehicleTrips	SU_TR	1.68	1.40
tblVehicleTrips	SU_TR	1.68	1.71
tblVehicleTrips	WD_TR	1.68	5.20
tblVehicleTrips	WD_TR	1.68	1.40
tblVehicleTrips	WD_TR	1.68	1.71

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3532	3.4897	2.7785	7.3300e-003	0.5980	0.1269	0.7248	0.2293	0.1181	0.3474	0.0000	659.8978	659.8978	0.1111	0.0000	662.6742
2022	0.6985	6.2920	5.2374	0.0234	1.2117	0.0932	1.3048	0.3290	0.0883	0.4173	0.0000	2,163.1435	2,163.1435	0.1331	0.0000	2,166.4706
2023	0.6178	5.1331	4.8439	0.0228	1.2117	0.0745	1.2862	0.3290	0.0706	0.3996	0.0000	2,106.6462	2,106.6462	0.1105	0.0000	2,109.4094
2024	3.0059	3.6662	3.5693	0.0161	0.8539	0.0569	0.9108	0.2317	0.0537	0.2854	0.0000	1,482.4164	1,482.4164	0.0882	0.0000	1,484.6208
2025	2.3144	0.0187	0.0654	1.9000e-004	0.0183	7.8000e-004	0.0191	4.8700e-003	7.7000e-004	5.6400e-003	0.0000	16.6688	16.6688	4.4000e-004	0.0000	16.6797
Maximum	**3.0059**	**6.2920**	**5.2374**	**0.0234**	**1.2117**	**0.1269**	**1.3048**	**0.3290**	**0.1181**	**0.4173**	**0.0000**	**2,163.1435**	**2,163.1435**	**0.1331**	**0.0000**	**2,166.4706**

Average 0.0663 tons/yr (132.6 lbs/yr) of DPM

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3532	3.4897	2.7785	7.3300e-003	0.3787	0.1269	0.5056	0.1329	0.1181	0.2510	0.0000	659.8974	659.8974	0.1111	0.0000	662.6738
2022	0.6985	6.2920	5.2374	0.0234	1.2117	0.0932	1.3048	0.3290	0.0883	0.4173	0.0000	2,163.1433	2,163.1433	0.1331	0.0000	2,166.4704
2023	0.6178	5.1331	4.8439	0.0228	1.2117	0.0745	1.2862	0.3290	0.0706	0.3996	0.0000	2,106.6459	2,106.6459	0.1105	0.0000	2,109.4092
2024	3.0059	3.6662	3.5693	0.0161	0.8539	0.0569	0.9108	0.2317	0.0537	0.2854	0.0000	1,482.4162	1,482.4162	0.0882	0.0000	1,484.6205
2025	2.3144	0.0187	0.0654	1.9000e-004	0.0183	7.8000e-004	0.0191	4.8700e-003	7.7000e-004	5.6400e-003	0.0000	16.6688	16.6688	4.4000e-004	0.0000	16.6797
Maximum	**3.0059**	**6.2920**	**5.2374**	**0.0234**	**1.2117**	**0.1269**	**1.3048**	**0.3290**	**0.1181**	**0.4173**	**0.0000**	**2,163.1433**	**2,163.1433**	**0.1331**	**0.0000**	**2,166.4704**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**5.63**	**0.00**	**5.16**	**8.57**	**0.00**	**6.62**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-1-2021	6-30-2021	0.7104	0.7104
2	7-1-2021	9-30-2021	1.4086	1.4086
3	10-1-2021	12-31-2021	1.7162	1.7162
4	1-1-2022	3-31-2022	1.7403	1.7403
5	4-1-2022	6-30-2022	1.7382	1.7382
6	7-1-2022	9-30-2022	1.7573	1.7573

7	**10-1-2022**	**12-31-2022**	1.7790	1.7790
8	**1-1-2023**	**3-31-2023**	1.4330	1.4330
9	**4-1-2023**	**6-30-2023**	1.4336	1.4336
10	**7-1-2023**	**9-30-2023**	1.4494	1.4494
11	**10-1-2023**	**12-31-2023**	1.4648	1.4648
12	**1-1-2024**	**3-31-2024**	1.4035	1.4035
13	**4-1-2024**	**6-30-2024**	1.3894	1.3894
14	**7-1-2024**	**9-30-2024**	1.0928	1.0928
15	**10-1-2024**	**12-31-2024**	2.7982	2.7982
16	**1-1-2025**	**3-31-2025**	2.3083	2.3083
		Highest	2.7982	2.7982

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.2907	1.7000e-004	0.0193	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0376	0.0376	1.0000e-004	0.0000	0.0401
Energy	0.0524	0.4764	0.4001	2.8600e-003		0.0362	0.0362		0.0362	0.0362	0.0000	5,937.0253	5,937.0253	0.2550	0.0602	5,961.3380
Mobile	1.6807	12.4690	19.9127	0.1031	8.6410	0.0830	8.7241	2.3270	0.0780	2.4050	0.0000	9,537.0584	9,537.0584	0.3072	0.0000	9,544.7376
Waste						0.0000	0.0000		0.0000	0.0000	401.5872	0.0000	401.5872	23.7331	0.0000	994.9152
Water						0.0000	0.0000		0.0000	0.0000	154.4061	766.1184	920.5245	15.8936	0.3816	1,431.5916
Total	**7.0238**	**12.9455**	**20.3322**	**0.1060**	**8.6410**	**0.1193**	**8.7603**	**2.3270**	**0.1143**	**2.4413**	**555.9933**	**16,240.2396**	**16,796.2329**	**40.1890**	**0.4418**	**17,932.6224**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.2907	1.7000e-004	0.0193	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0376	0.0376	1.0000e-004	0.0000	0.0401
Energy	0.0472	0.4287	0.3601	2.5700e-003		0.0326	0.0326		0.0326	0.0326	0.0000	4,993.6287	4,993.6287	0.2136	0.0509	5,014.1400
Mobile	1.5817	11.6636	17.9653	0.0919	7.6202	0.0738	7.6941	2.0521	0.0694	2.1215	0.0000	8,497.2072	8,497.2072	0.2846	0.0000	8,504.3233
Waste						0.0000	0.0000		0.0000	0.0000	100.3968	0.0000	100.3968	5.9333	0.0000	248.7288
Water						0.0000	0.0000		0.0000	0.0000	123.5249	612.8947	736.4196	12.7149	0.3053	1,145.2732
Total	**6.9195**	**12.0925**	**18.3447**	**0.0944**	**7.6202**	**0.1065**	**7.7267**	**2.0521**	**0.1020**	**2.1541**	**223.9217**	**14,103.7683**	**14,327.6899**	**19.1466**	**0.3562**	**14,912.5053**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**1.48**	**6.59**	**9.77**	**10.90**	**11.81**	**10.73**	**11.80**	**11.81**	**10.73**	**11.76**	**59.73**	**13.16**	**14.70**	**52.36**	**19.38**	**16.84**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
Vegetation Land Change	-1,005.6900
Total	**-1,005.6900**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2021	6/9/2021	5	50	
2	Site Preparation	Site Preparation	6/10/2021	7/21/2021	5	30	
3	Grading	Grading	7/22/2021	11/3/2021	5	75	
4	Building Construction	Building Construction	11/4/2021	9/4/2024	5	740	
5	Paving	Paving	9/5/2024	11/20/2024	5	55	
6	Architectural Coating	Architectural Coating	11/21/2024	2/5/2025	5	55	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 0

APPENDIX B

Traffic Data

Source: K. D. Anderson Traffic Engineers

High-Cube Transload and Short-Term Storage Warehouse (ITE Code 154)	Thousand Square Feet	1.40	0.06	0.02	0.08	0.03	0.07	0.10

Source: Institute of Transportation Engineers 2017.

Table 13. Proposed Project Trip Generation

Land Use and ITE Land Use Code	Quantity	Trips Generated						
		Daily	AM Peak Hour			PM Peak Hour		
			In	Out	Total	In	Out	Total
Sanchez Property	2,796.95 Thousand Square Feet	3,916	168	56	224	84	196	280
Hoggan Property	291.47 Thousand Square Feet	408	17	6	23	9	20	29
	Total	**4,324**	**185**	**62**	**247**	**93**	**216**	**309**


261
261
64
272
Arch Rd
Frontier Way
Frie Ct
River Ln
Truck Routing Annotated.pdf - Adobe Acrobat

APPENDIX C

Detailed Emission Calculations

Table C-1
Calculation of On-Site DPM Emissions
Sanchez Property

IDLING EMISSIONS	Units	
HD Trucks Count	*(trucks/day)*	794
Truck Idling		
Idle rate/truck	*(min/truck)*	15
Idle rate all trucks	*(min/day)*	11,910
Idle time/day all trucks	*(hrs/day)*	198.5
idle time/yr all trucks	*(hrs/yr)*	72,452.5
Emission Factor for Vehicle Idling (Note 1)	*(grams/vehicle-day)*	0.00068192
Idling Emissions All Trucks	*(grams/yr)*	49.4
	(lbs/yr)	0.11

EMISSIONS FROM On-Site Truck Movement	Units	
Daily Truck Volume	(Trucks/day)	794.0
Distrance Travelled On-Site		
1 Truck	*(mile/truck)*	0.10
All Trucks/day	*(miles/day)*	79.40
All Trucks (per year)	*(miles/yr)*	28,981
Emission Factor (EMFAC 2017 for HD Trucks CY 2026)	*(gram/mile)*	0.00773
Emissions		
1 Truck (per mile)	*(grams/mile)*	0.00773
All Trucks (per day)	*(grams/day)*	0.61400
All Trucks (per year)	*(grams/yr)*	224.11
	(lbs/yr)	0.494

EMISSIONS FROM TRUs	Units	
No. of Trucks (5.2% of all HD Trucks)	*(trucks with TRUs/day)*	41.3
TRU Operating Time		
1 TRU	*(min)*	15
All TRUs	*(hrs/day)*	10.3
Average TRU Engine Size	*(hp)*	25
Emission Factor for TRUs (Note 2)	*(grams/hp-hr)*	0.03
Load Factor (Note 3)		0.46
Emission Rate		
1 Truck (engine HP x EF x Load Factor)	*(grams/hr)*	0.35
All Trucks (x daily operating hrs for all trucks)	*(grams/day)*	3.56
(x365)	*(grams/yr)*	1,299.8
(1 lb/454 grams)	*(lbs/yr)*	2.86
TOTAL On-Site (Idling +On-Site Move't+TRUs)	*(lbs/yr)*	3.47

Notes
1. Available at: https://ww3.arb.ca.gov/msei/emfac2011_idling_emission_rates.xlsx
2. Emission Factor from ARB: https://ww3.arb.ca.gov/regact/trude03/fro1.pdf

3. Draft 2019 Update to Emissions Inventory for Transport Refrigeration Units. California Air Resources Board October 2019. Section 3.6, Table 9.

Table C-2
Calculation of On-Site DPM Emissions
Sanchez Property

IDLING EMISSIONS	Units	
HD Trucks Count	*(trucks/day)*	64
Truck Idling		
Idle rate/truck	*(min/truck)*	15
Idle rate all trucks	*(min/day)*	960
Idle time/day all trucks	*(hrs/day)*	16.0
idle time/yr all trucks	*(hrs/yr)*	5,840.0
Emission Factor for Vehicle Idling (Note 1)	*(grams/vehicle-day)*	0.00068192
Idling Emissions All Trucks	*(grams/yr)*	4.0
	(lbs/yr)	0.01

EMISSIONS FROM On-Site Truck Movement	Units	
Daily Truck Volume	(Trucks/day)	64.0
Distrance Travelled On-Site		
1 Truck	*(mile/truck)*	0.10
All Trucks/day	*(miles/day)*	6.40
All Trucks (per year)	*(miles/yr)*	2,336
Emission Factor (EMFAC 2017 for HD Trucks CY 2026)	*(gram/mile)*	0.00773
Emissions		
1 Truck (per mile)	*(grams/mile)*	0.00773
All Trucks (per day)	*(grams/day)*	0.04949
All Trucks (per year)	*(grams/yr)*	18.06
	(lbs/yr)	0.040

EMISSIONS FROM TRUs	Units	
No. of Trucks (5.2% of all HD Trucks)	*(trucks with TRUs/day)*	3.3
TRU Operating Time		
1 TRU	*(min)*	15
All TRUs	*(hrs/day)*	0.8
Average TRU Engine Size	*(hp)*	25
Emission Factor for TRUs (Note 2)	*(grams/hp-hr)*	0.03
Load Factor (Note 3)		0.46
Emission Rate		
1 Truck (engine HP x EF x Load Factor)	*(grams/hr)*	0.35
All Trucks (x daily operating hrs for all trucks)	*(grams/day)*	0.29
(x365)	*(grams/yr)*	104.8
(1 lb/454 grams)	*(lbs/yr)*	0.2
TOTAL On-Site (Idling +On-Site Move't+TRUs)	*(lbs/yr)*	0.28

Notes
1. Available at: https://ww3.arb.ca.gov/msei/emfac2011_idling_emission_rates.xlsx
2. Emission Factor from ARB: https://ww3.arb.ca.gov/regact/trude03/fro1.pdf

3. Draft 2019 Update to Emissions Inventory for Transport Refrigeration Units. California Air Resources Board October 2019. Section 3.6, Table 9.

Table C-3
Calculation of Toxic Emissions from Automobile Traffic within 0.25 mile of Sanchez Property

No. of Vehicles per Day	4,534	veh/day total
	1,654,910	veh/yr total
	827,455	veh/yr per 0.25 mile segment
Length of Roadway	0.25	mile
Annual Miles per Roadway Segment	206,864	miles/yr per 0.25 mile segment

	EF	Emission Rate (Vehicle Travel)			Emission Rate (vehicle travel + idle + start-up/shut down)
TAC	(mg/mile)	(mg/yr)	(g/yr)	(lb/yr)	(lb/yr)
1,3 Butadiene	4.48	926,750	926.750	2.041	3.0619
Benzene	45.28	9,366,791	9366.791	20.632	41.2634
Formaldehyde	12.87	2,662,336	2662.336	5.864	11.7284
Acetaldehyde	2.77	573,013	573.013	1.262	2.5243

NOTES

1. Emission Factors From: Zhu, Durbin, Norbeck and Cocker (July 2004)
"Internal Combustion Engine (ICE) Air Toxic Emissions"
Final Report to Research Division CARB, Sacramento, CA

2. Traffic volume based on estimates in ITE Trip Generation Rates (10th Ed) for Land Use 945
"Gasoline/Service Station with Convenience Market"

3. Emissions from Vehicle Idle + start-up and shut-down estimated to equal 50% of emissions from vehicle travel

File: Hoggan Emission Calcs
Sheet: C-3 Auto Travel Sanchez

Table C-4
Calculation of Toxic Emissions from Automobile Traffic within 0.25 mile of Hoggan Property

No. of Vehicles per Day	344	veh/day total
	125,560	veh/yr total
	62,780	veh/yr per 0.25 mile segment
Length of Roadway	0.25	mile
Annual Miles per Roadway Segment	15,695	miles/yr per 0.25 mile segment

	EF	Emission Rate (Vehicle Travel)			Emission Rate (vehicle travel + idle + start-up/shut down)
TAC	(mg/mile)	(mg/yr)	(g/yr)	(lb/yr)	(lb/yr)
1,3 Butadiene	4.48	70,314	70.314	0.155	0.2323
Benzene	45.28	710,670	710.670	1.565	3.1307
Formaldehyde	12.87	201,995	201.995	0.445	0.8898
Acetaldehyde	2.77	43,475	43.475	0.096	0.1915

NOTES

1. Emission Factors From: Zhu, Durbin, Norbeck and Cocker (July 2004)
"Internal Combustion Engine (ICE) Air Toxic Emissions"
Final Report to Research Division CARB, Sacramento, CA

2. Traffic volume based on estimates in ITE Trip Generation Rates (10th Ed) for Land Use 945
"Gasoline/Service Station with Convenience Market"

3. Emissions from Vehicle Idle + start-up and shut-down estimated to equal 50% of emissions from vehicle travel

File: Hoggan Emission Calcs
Sheet: C-4 Auto Travel Hoggan

APPENDIX D

Excerpts of AERMOD Model Report

Construction Phase

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.8.3
** Lakes Environmental Software Inc.
** Date: 5/2/2020
** File: C:\Lakes\AERMOD View\HOGGAN1\HOGGAN1.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\HOGGAN1\HOGGAN1.isc
   TITLETWO Construction Phase - Plot Files for Export to HARP Model
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL HOGGAN1.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION AREA_SANCHEZ AREAPOLY   658815.215  4197681.059       12.500
** DESCRSRC Sanchez Parcel
   LOCATION AREA_HOGGAN  AREAPOLY   656662.876  4197603.795        9.140
** DESCRSRC Hoggan Annex
** Source Parameters **
   SRCPARAM AREA_SANCHEZ  1.66E-06     1.524         6
   AREAVERT AREA_SANCHEZ 658815.215 4197681.059 659356.060 4197686.578
   AREAVERT AREA_SANCHEZ 659615.444 4197543.088 659626.482 4197228.516
   AREAVERT AREA_SANCHEZ 659632.000 4196875.311 658848.328 4196858.755
   SRCPARAM AREA_HOGGAN  0.0000119     1.524         4
   AREAVERT AREA_HOGGAN  656662.876 4197603.795 657076.788 4197620.352
   AREAVERT AREA_HOGGAN  657071.269 4197896.293 656657.357 4197697.615

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT AREA_SANCHEZ HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA_SANCHEZ HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT AREA_SANCHEZ HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT AREA_SANCHEZ HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA_HOGGAN  HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA_HOGGAN  HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT AREA_HOGGAN  HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT AREA_HOGGAN  HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP AREA_HOG AREA_HOGGAN
```

```
   SRCGROUP AREA_SAN AREA_SANCHEZ
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED HOGGAN1.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE Stockton_2013-2017.SFC
   PROFFILE Stockton_2013-2017.PFL
   SURFDATA 23237 2013
   UAIRDATA 23230 2013 OAKLAND/WSO_AP
   PROFBASE 8.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST HOGGAN1.AD\01H1GALL.PLT 31
   PLOTFILE 1 AREA_HOG 1ST HOGGAN1.AD\01H1G001.PLT 32
   PLOTFILE 1 AREA_SAN 1ST HOGGAN1.AD\01H1G002.PLT 33
   PLOTFILE PERIOD ALL HOGGAN1.AD\PE00GALL.PLT 34
   PLOTFILE PERIOD AREA_HOG HOGGAN1.AD\PE00G001.PLT 35
   PLOTFILE PERIOD AREA_SAN HOGGAN1.AD\PE00G002.PLT 36
   SUMMFILE HOGGAN1.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
                ***  NONE  ***


    ********   WARNING MESSAGES   ********
```

```
ME W186      84       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187      84       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

**********************************
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses RURAL Dispersion Only.

**Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.

**Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates 1 Short Term Average(s) of: 1-HR
    and Calculates PERIOD Averages

**This Run Includes: 2 Source(s);   3 Source Group(s); and   8109 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 2 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 RLINE/RLINEXT source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 18081

**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

```
**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =     8.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                             ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      5.1 MB of RAM.

**Input Runstream File:          aermod.inp
**Output Print File:             aermod.out

**Detailed Error/Message File:   HOGGAN1.err
**File for Summary of Results:   HOGGAN1.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
AREA_SANCHEZ	0	0.16600E-05	658815.2	4197681.1	12.5	1.52	6	0.00	NO	HROFDY
AREA_HOGGAN	0	0.11900E-04	656662.9	4197603.8	9.1	1.52	4	0.00	NO	HROFDY

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
AREA_HOG	AREA_HOGGAN ,
AREA_SAN	AREA_SANCHEZ,
ALL	AREA_SANCHEZ, AREA_HOGGAN ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = AREA_SANCHEZ ; SOURCE TYPE = AREAPOLY :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = AREA_HOGGAN ; SOURCE TYPE = AREAPOLY :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1   ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

654751.1, 654826.1, 654901.1, 654976.1, 655051.1, 655126.1, 655201.1, 655276.1, 655351.1, 655426.1,
655501.1, 655576.1, 655651.1, 655726.1, 655801.1, 655876.1, 655951.1, 656026.1, 656101.1, 656176.1,
656251.1, 656326.1, 656401.1, 656476.1, 656551.1, 656626.1, 656701.1, 656776.1, 656851.1, 656926.1,
657001.1, 657076.1, 657151.1, 657226.1, 657301.1, 657376.1, 657451.1, 657526.1, 657601.1, 657676.1,
657751.1, 657826.1, 657901.1, 657976.1, 658051.1, 658126.1, 658201.1, 658276.1, 658351.1, 658426.1,
658501.1, 658576.1, 658651.1, 658726.1, 658801.1, 658876.1, 658951.1, 659026.1, 659101.1, 659176.1,
659251.1, 659326.1, 659401.1, 659476.1, 659551.1, 659626.1, 659701.1, 659776.1, 659851.1, 659926.1,
660001.1, 660076.1, 660151.1, 660226.1, 660301.1, 660376.1, 660451.1, 660526.1, 660601.1, 660676.1,
660751.1, 660826.1, 660901.1, 660976.1, 661051.1, 661126.1, 661201.1, 661276.1, 661351.1, 661426.1,

*** Y-COORDINATES OF GRID ***
(METERS)

4193584.7, 4193659.7, 4193734.7, 4193809.7, 4193884.7, 4193959.7, 4194034.7, 4194109.7, 4194184.7, 4194259.7,
4194334.7, 4194409.7, 4194484.7, 4194559.7, 4194634.7, 4194709.7, 4194784.7, 4194859.7, 4194934.7, 4195009.7,
4195084.7, 4195159.7, 4195234.7, 4195309.7, 4195384.7, 4195459.7, 4195534.7, 4195609.7, 4195684.7, 4195759.7,
4195834.7, 4195909.7, 4195984.7, 4196059.7, 4196134.7, 4196209.7, 4196284.7, 4196359.7, 4196434.7, 4196509.7,
4196584.7, 4196659.7, 4196734.7, 4196809.7, 4196884.7, 4196959.7, 4197034.7, 4197109.7, 4197184.7, 4197259.7,
4197334.7, 4197409.7, 4197484.7, 4197559.7, 4197634.7, 4197709.7, 4197784.7, 4197859.7, 4197934.7, 4198009.7,
4198084.7, 4198159.7, 4198234.7, 4198309.7, 4198384.7, 4198459.7, 4198534.7, 4198609.7, 4198684.7, 4198759.7,
4198834.7, 4198909.7, 4198984.7, 4199059.7, 4199134.7, 4199209.7, 4199284.7, 4199359.7, 4199434.7, 4199509.7,
4199584.7, 4199659.7, 4199734.7, 4199809.7, 4199884.7, 4199959.7, 4200034.7, 4200109.7, 4200184.7, 4200259.7,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	654751.11	654826.11	654901.11	654976.11	655051.11	655126.11	655201.11	655276.11	655351.11
4200259.71	8.50	8.50	8.80	9.10	9.10	9.10	9.10	8.90	8.80
4200184.71	8.50	8.50	8.90	9.10	9.10	9.10	9.10	9.10	8.80
4200109.71	8.30	8.50	8.80	8.90	8.80	9.10	9.10	8.90	8.80
4200034.71	8.20	8.50	8.50	8.80	9.00	9.10	9.00	8.80	8.80
4199959.71	8.00	8.20	8.50	8.80	9.10	9.10	9.10	8.90	8.60
4199884.71	7.80	7.90	8.30	8.70	8.80	9.10	9.10	9.10	8.50
4199809.71	7.60	7.90	8.20	8.50	8.80	9.10	9.10	8.60	8.20
4199734.71	7.90	8.20	8.20	8.50	8.80	9.10	9.10	8.50	7.80
4199659.71	7.90	8.20	8.20	8.50	8.60	8.90	9.10	7.90	7.60
4199584.71	7.90	8.10	8.20	8.20	8.10	8.30	8.60	9.00	8.00
4199509.71	7.90	7.90	7.90	7.90	7.70	7.60	8.30	9.10	8.70
4199434.71	7.90	7.90	7.60	7.60	7.60	7.90	8.60	9.10	9.10
4199359.71	7.90	7.60	7.60	7.60	7.90	8.20	8.60	9.10	9.10
4199284.71	7.60	7.60	7.60	7.90	8.20	8.50	8.60	9.10	9.10
4199209.71	7.60	7.60	7.90	7.90	8.20	8.50	8.60	9.10	9.10
4199134.71	7.60	7.90	7.90	8.20	8.20	8.20	8.50	8.80	8.80
4199059.71	7.90	7.90	7.90	8.20	8.20	8.20	8.50	8.50	8.50
4198984.71	7.90	7.90	7.90	8.20	8.20	8.20	8.30	8.50	8.50
4198909.71	7.90	7.90	7.90	8.20	8.20	8.20	8.30	8.50	8.60
4198834.71	7.90	7.90	7.90	8.20	8.20	8.20	8.30	8.50	8.80
4198759.71	7.90	7.90	7.90	7.90	8.20	8.20	8.30	8.50	8.80
4198684.71	7.70	7.90	7.90	7.90	8.20	8.20	8.30	8.50	8.80
4198609.71	7.60	7.90	7.90	7.90	8.00	8.20	8.30	8.50	8.60
4198534.71	7.60	7.60	7.90	7.90	8.00	8.20	8.30	8.50	8.60
4198459.71	7.60	7.60	7.70	7.90	8.00	8.20	8.30	8.50	8.50
4198384.71	7.50	7.60	7.60	7.90	7.90	8.20	8.20	8.50	8.50
4198309.71	7.40	7.60	7.60	7.90	7.90	8.20	8.20	8.50	8.50
4198234.71	7.30	7.60	7.60	7.90	7.90	8.20	8.20	8.40	8.50
4198159.71	7.30	7.60	7.60	7.90	7.90	8.20	8.20	8.20	8.50
4198084.71	7.40	7.60	7.60	7.90	7.90	7.90	8.20	8.20	8.30
4198009.71	7.60	7.60	7.60	7.90	7.90	7.90	8.20	8.20	8.20
4197934.71	7.60	7.60	7.60	7.90	7.90	7.90	7.90	8.10	8.20
4197859.71	7.60	7.60	7.60	7.70	7.90	7.90	7.90	7.90	7.90
4197784.71	7.40	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.70
4197709.71	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60
4197634.71	7.60	7.60	7.60	7.60	7.70	7.70	7.90	7.90	7.90
4197559.71	7.60	7.60	7.60	7.80	7.90	7.90	7.90	7.90	8.20
4197484.71	7.60	7.60	7.60	7.90	7.90	7.90	7.90	8.20	8.20
4197409.71	7.60	7.60	7.60	7.90	7.90	7.90	7.90	8.20	8.20
4197334.71	7.60	7.60	7.60	7.90	7.90	7.90	7.90	8.20	8.20

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	654751.11	654826.11	654901.11	654976.11	655051.11	655126.11	655201.11	655276.11	655351.11
4197259.71	7.60	7.60	7.60	7.90	7.90	7.90	7.90	7.90	8.20
4197184.71	7.60	7.60	7.60	7.80	7.90	7.90	7.90	7.90	8.00
4197109.71	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.90	8.00
4197034.71	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.90	7.90
4196959.71	7.60	7.60	7.60	7.60	7.60	7.60	7.90	7.90	7.90
4196884.71	7.60	7.60	7.60	7.60	7.80	7.90	7.90	7.90	8.00
4196809.71	7.60	7.60	7.60	7.60	7.90	7.90	7.90	7.90	7.90
4196734.71	7.60	7.60	7.60	7.60	7.60	7.90	7.90	7.90	7.90
4196659.71	7.60	7.60	7.60	7.60	7.60	7.90	7.90	7.90	7.90
4196584.71	7.60	7.60	7.60	7.60	7.60	7.90	7.90	7.90	7.90
4196509.71	7.60	7.60	7.60	7.60	7.70	7.90	7.90	7.90	7.90
4196434.71	7.60	7.60	7.60	7.60	7.90	7.90	7.90	7.90	7.90
4196359.71	7.60	7.60	7.60	7.60	7.90	7.90	7.90	7.90	7.90
4196284.71	7.60	7.60	7.60	7.60	7.70	7.90	7.90	7.90	7.90
4196209.71	7.60	7.60	7.60	7.60	7.70	7.90	7.90	7.90	7.90
4196134.71	7.60	7.60	7.60	7.60	7.60	7.90	7.90	7.90	7.90
4196059.71	7.60	7.60	7.60	7.60	7.60	7.90	7.90	7.90	7.90
4195984.71	7.60	7.60	7.60	7.60	7.60	7.90	7.90	7.90	7.90
4195909.71	7.60	7.60	7.60	7.60	7.60	7.90	7.90	7.90	7.90
4195834.71	7.60	7.60	7.60	7.60	7.60	7.60	7.80	7.90	7.90
4195759.71	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60
4195684.71	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60
4195609.71	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60
4195534.71	7.30	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60
4195459.71	7.30	7.50	7.60	7.60	7.60	7.60	7.60	7.60	7.60
4195384.71	7.30	7.50	7.60	7.60	7.60	7.60	7.60	7.60	7.60
4195309.71	7.30	7.30	7.60	7.60	7.60	7.60	7.60	7.60	7.60
4195234.71	7.30	7.30	7.40	7.60	7.60	7.60	7.60	7.60	7.60
4195159.71	7.30	7.30	7.30	7.30	7.60	7.60	7.60	7.60	7.60
4195084.71	7.20	7.20	7.30	7.30	7.30	7.30	7.50	7.60	7.60
4195009.71	7.30	7.20	7.30	7.30	7.30	7.30	7.30	7.30	7.40
4194934.71	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.60
4194859.71	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.50	7.60
4194784.71	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.50	7.60
4194709.71	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.60
4194634.71	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.60
4194559.71	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.60
4194484.71	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.60
4194409.71	7.10	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.60
4194334.71	7.00	7.00	7.00	7.00	7.00	7.00	7.30	7.30	7.40

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	654751.11	654826.11	654901.11	654976.11	655051.11	655126.11	655201.11	655276.11	655351.11
4194259.71	7.00	7.00	7.00	7.00	7.00	7.00	7.30	7.30	7.30
4194184.71	7.00	6.90	6.90	7.00	7.00	7.00	7.30	7.30	7.30
4194109.71	6.70	6.70	6.70	6.70	7.00	7.00	7.00	7.30	7.30
4194034.71	6.60	6.70	6.70	6.70	6.90	7.00	7.00	7.00	7.10
4193959.71	6.40	6.40	6.50	6.70	6.70	6.70	7.00	7.00	7.00
4193884.71	6.10	6.40	6.40	6.40	6.60	6.70	6.70	6.70	6.90
4193809.71	6.10	6.10	6.40	6.40	6.40	6.40	6.40	6.60	6.70
4193734.71	6.10	6.10	6.10	6.20	6.30	6.40	6.30	6.10	6.10
4193659.71	6.60	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10
4193584.71	7.30	6.70	6.50	6.30	6.90	6.10	6.10	6.10	6.10

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: AREA_SAN ***
INCLUDING SOURCE(S): AREA_SANCHEZ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF DPM IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 655426.11	655501.11	655576.11	655651.11	655726.11	655801.11	655876.11	655951.11	656026.11
4194259.71	0.02026	0.02020	0.02015	0.02013	0.02013	0.02018	0.02029	0.02046	0.02071
4194184.71	0.01945	0.01941	0.01937	0.01938	0.01942	0.01952	0.01968	0.01993	0.02024
4194109.71	0.01869	0.01867	0.01866	0.01870	0.01880	0.01896	0.01919	0.01949	0.01986
4194034.71	0.01799	0.01799	0.01803	0.01812	0.01828	0.01850	0.01879	0.01915	0.01957
4193959.71	0.01736	0.01739	0.01748	0.01763	0.01784	0.01813	0.01848	0.01889	0.01934
4193884.71	0.01679	0.01688	0.01703	0.01723	0.01750	0.01785	0.01824	0.01869	0.01916
4193809.71	0.01630	0.01644	0.01666	0.01692	0.01724	0.01763	0.01806	0.01852	0.01900
4193734.71	0.01589	0.01609	0.01636	0.01668	0.01705	0.01747	0.01791	0.01838	0.01884
4193659.71	0.01556	0.01582	0.01614	0.01651	0.01691	0.01734	0.01779	0.01824	0.01868
4193584.71	0.01532	0.01562	0.01597	0.01637	0.01680	0.01724	0.01768	0.01810	0.01849

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA_SANCHEZ, AREA_HOGGAN ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF DPM IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 661126.11	661201.11	661276.11	661351.11	661426.11
4197259.7	71.03264 (14092807)	69.19603 (14092807)	67.45694 (14092807)	65.74282 (14092807)	64.05016 (14092807)
4197184.7	67.63437 (14032207)	65.30849 (14092807)	63.48663 (14092807)	61.71655 (14092807)	59.99157 (14092807)
4197109.7	70.55157 (14032207)	68.63272 (14032207)	66.69569 (14032207)	64.82721 (14032207)	63.02524 (14032207)
4197034.7	75.20918 (15031007)	72.50050 (15031007)	69.79787 (15031007)	67.09845 (15031007)	64.54176 (15031007)
4196959.7	77.03471 (15031007)	75.01439 (15031007)	72.96848 (15031007)	70.88951 (15031007)	68.78579 (15031007)
4196884.7	75.04998 (15031007)	73.73054 (15031007)	72.37161 (15031007)	70.96512 (15031007)	69.51213 (15031007)
4196809.7	69.69926 (15031007)	69.06181 (15031007)	68.37355 (15031007)	67.63106 (15031007)	66.83190 (15031007)
4196734.7	72.92868 (14122809)	70.36588 (14122809)	67.77650 (14122809)	65.17795 (14122809)	62.57710 (14122809)
4196659.7	73.40684 (14122809)	71.79203 (14122809)	70.01641 (14122809)	68.11225 (14122809)	66.10822 (14122809)
4196584.7	72.16619 (15010408)	69.91214 (15010408)	68.12813 (14122809)	67.35453 (14122809)	66.21672 (14122809)
4196509.7	72.00119 (14112508)	69.32788 (15010408)	68.13235 (15010408)	66.88919 (15010408)	65.29834 (15010408)
4196434.7	72.25173 (14112508)	70.59035 (14112508)	68.54233 (14112508)	66.32588 (14112508)	64.39682 (15010408)
4196359.7	69.16106 (14112508)	68.84903 (14112508)	67.90264 (14112508)	66.68894 (14112508)	65.53535 (14112508)
4196284.7	62.76103 (14112508)	63.84333 (14112508)	64.15664 (14112508)	64.13809 (14112508)	64.01013 (14112508)
4196209.7	64.79919 (17011509)	61.09227 (17011509)	57.59196 (14112508)	58.64404 (14112508)	59.65902 (14112508)
4196134.7	66.12829 (17011509)	63.63929 (17011509)	60.56941 (17011509)	56.94528 (17011509)	52.94037 (14112508)
4196059.7	65.02881 (17011509)	64.01714 (17011509)	62.23294 (17011509)	59.77964 (17011509)	56.73682 (17011509)
4195984.7	61.08364 (17011509)	61.85535 (17011509)	61.63882 (17011509)	60.54662 (17011509)	58.71621 (17011509)
4195909.7	54.48221 (17011509)	56.98254 (17011509)	58.46894 (17011509)	58.97675 (17011509)	58.57166 (17011509)
4195834.7	46.34233 (17011509)	49.93421 (17011509)	52.84129 (17011509)	54.92133 (17011509)	56.07974 (17011509)
4195759.7	46.59252 (14042707)	45.88052 (14042707)	45.59446 (17011509)	48.78574 (17011509)	51.29561 (17011509)
4195684.7	47.83024 (17031307)	46.52410 (14042707)	46.14484 (14042707)	45.58686 (14042707)	44.94624 (14042707)
4195609.7	51.06723 (15030608)	46.33401 (17031307)	45.83897 (14042707)	45.96871 (14042707)	45.76314 (14042707)
4195534.7	56.33132 (15030608)	50.90380 (15030608)	44.89337 (17031307)	44.57510 (14042707)	45.25261 (14042707)
4195459.7	59.85910 (15030608)	56.08658 (15030608)	50.54920 (15030608)	44.14261 (15030608)	42.75537 (14042707)
4195384.7	61.36232 (15030608)	59.53430 (15030608)	55.63908 (15030608)	50.37443 (15030608)	44.30793 (15030608)
4195309.7	60.23122 (15030608)	60.78054 (15030608)	59.00581 (15030608)	55.38709 (15030608)	50.57227 (15030608)
4195234.7	56.96054 (15030608)	59.68219 (15030608)	60.21895 (15030608)	58.75126 (15030608)	55.60106 (15030608)
4195159.7	52.47823 (15030608)	56.85059 (15030608)	59.28418 (15030608)	59.93511 (15030608)	59.16668 (15030608)
4195084.7	54.15033 (14102408)	52.56431 (15030608)	56.74821 (15030608)	59.46566 (15030608)	60.60187 (15030608)
4195009.7	52.08508 (14102408)	53.40961 (14102408)	52.65928 (14102408)	55.84719 (15030608)	59.13702 (15030608)
4194934.7	49.39603 (14121216)	49.40887 (14121216)	51.74779 (14102408)	52.36021 (14102408)	55.85441 (15030608)
4194859.7	46.70641 (14121216)	48.10236 (14121216)	47.82948 (14121216)	49.82100 (14102408)	51.58371 (14102408)
4194784.7	43.18075 (14121216)	45.74549 (14121216)	46.82474 (14121216)	46.30002 (14121216)	47.47050 (14102408)
4194709.7	39.06546 (14121216)	42.54200 (14121216)	44.78474 (14121216)	45.57282 (14121216)	44.81456 (14121216)
4194634.7	38.28095 (17011208)	38.71458 (14121216)	41.88083 (14121216)	43.82187 (14121216)	44.34091 (14121216)
4194559.7	38.85059 (17011208)	36.39230 (17011208)	38.33376 (14121216)	41.21206 (14121216)	42.86534 (14121216)
4194484.7	38.68451 (17011208)	37.31120 (17011208)	34.45414 (17011208)	37.93624 (14121216)	40.53526 (14121216)
4194409.7	37.84519 (17011208)	37.51096 (17011208)	35.68571 (17011208)	34.19422 (14121216)	37.52122 (14121216)
4194334.7	36.42067 (17011208)	37.03923 (17011208)	36.23434 (17011208)	34.01023 (17011208)	34.01335 (14121216)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   AREA_SANCHEZ, AREA_HOGGAN ,

*** NETWORK ID: UCART1   ; NETWORK TYPE: GRIDCART ***

** CONC OF DPM   IN MICROGRAMS/M**3   **

Y-COORD (METERS)	X-COORD (METERS) 661126.11	661201.11	661276.11	661351.11	661426.11
4194259.7	34.49457 (17011208)	35.96270 (17011208)	36.11337 (17011208)	34.87142 (17011208)	32.29024 (17011208)
4194184.7	34.00949 (17121708)	34.35811 (17011208)	35.37462 (17011208)	35.07540 (17011208)	33.42744 (17011208)
4194109.7	33.61644 (17121708)	32.81118 (17121708)	34.09255 (17011208)	34.66566 (17011208)	33.93728 (17011208)
4194034.7	32.78285 (17121708)	32.75885 (17121708)	32.33668 (17011208)	33.69580 (17011208)	33.84168 (17011208)
4193959.7	31.55908 (17121708)	32.25608 (17121708)	31.72681 (17121708)	32.23651 (17011208)	33.17975 (17011208)
4193884.7	29.99569 (17121708)	31.34421 (17121708)	31.54856 (17121708)	30.53773 (17121708)	32.01392 (17011208)
4193809.7	37.28584 (15030608)	30.07030 (17121708)	30.94851 (17121708)	30.67046 (17121708)	30.40854 (17011208)
4193734.7	45.12410 (15030608)	37.33930 (15030608)	29.96973 (17121708)	30.37840 (17121708)	29.63994 (17121708)
4193659.7	51.58243 (15030608)	44.90500 (15030608)	37.29156 (15030608)	29.69215 (17121708)	29.64074 (17121708)
4193584.7	55.95125 (15030608)	51.19773 (15030608)	44.68566 (15030608)	37.23794 (15030608)	29.65989 (15030608)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL   ***
    INCLUDING SOURCE(S):   AREA_SANCHEZ, AREA_HOGGAN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM   IN MICROGRAMS/M**3   **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
657016.00	4197906.00	852.85388	(17022508)	657016.00	4197952.00	645.84827	(17022508)
656878.00	4197979.00	532.30897	(13123109)	656829.00	4198005.00	450.57410	(13123109)
657128.00	4197983.00	638.46388	(15123109)	659709.00	4194320.00	97.34813	(15041307)
660594.00	4197120.00	93.23352	(15031007)	658620.00	4196053.00	88.06175	(14021408)
659579.00	4195656.00	103.63664	(15041307)				

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
AREA_HOG	1ST HIGHEST VALUE IS	41.43133 AT (657001.11, 4197709.71, 9.80, 9.80, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	41.19463 AT (656926.11, 4197709.71, 9.40, 9.40, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	38.63959 AT (656851.11, 4197709.71, 9.10, 9.10, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	37.58194 AT (656926.11, 4197634.71, 9.50, 9.50, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	37.44994 AT (657001.11, 4197784.71, 9.80, 9.80, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	37.08306 AT (657001.11, 4197634.71, 9.80, 9.80, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	37.05082 AT (656851.11, 4197634.71, 9.40, 9.40, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	35.16493 AT (656776.11, 4197634.71, 9.20, 9.20, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	34.26478 AT (656926.11, 4197784.71, 9.60, 9.60, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	33.61211 AT (656776.11, 4197709.71, 9.10, 9.10, 0.00)	GC	UCART1
AREA_SAN	1ST HIGHEST VALUE IS	8.36888 AT (659251.11, 4197334.71, 12.50, 12.50, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	8.33305 AT (659326.11, 4197334.71, 12.50, 12.50, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	8.32674 AT (659176.11, 4197334.71, 12.50, 12.50, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	8.26979 AT (659251.11, 4197409.71, 12.80, 12.80, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	8.23424 AT (659176.11, 4197409.71, 12.70, 12.70, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	8.22578 AT (659401.11, 4197109.71, 12.50, 12.50, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	8.22406 AT (659251.11, 4197259.71, 12.20, 12.20, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	8.22093 AT (659101.11, 4197334.71, 12.50, 12.50, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	8.21239 AT (659326.11, 4197409.71, 12.80, 12.80, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	8.20688 AT (659326.11, 4197259.71, 12.20, 12.20, 0.00)	GC	UCART1
ALL	1ST HIGHEST VALUE IS	41.51790 AT (657001.11, 4197709.71, 9.80, 9.80, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	41.27678 AT (656926.11, 4197709.71, 9.40, 9.40, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	38.71773 AT (656851.11, 4197709.71, 9.10, 9.10, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	37.66414 AT (656926.11, 4197634.71, 9.50, 9.50, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	37.53630 AT (657001.11, 4197784.71, 9.80, 9.80, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	37.16967 AT (657001.11, 4197634.71, 9.80, 9.80, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	37.12903 AT (656851.11, 4197634.71, 9.40, 9.40, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	35.23945 AT (656776.11, 4197634.71, 9.20, 9.20, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	34.34670 AT (656926.11, 4197784.71, 9.60, 9.60, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	33.68661 AT (656776.11, 4197709.71, 9.10, 9.10, 0.00)	GC	UCART1

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
AREA_HOG HIGH 1ST HIGH VALUE IS	1562.40389	ON 13040307:	AT (656701.11, 4197634.71, 9.10, 9.10, 0.00)	GC	UCART1
AREA_SAN HIGH 1ST HIGH VALUE IS	310.66454	ON 15090607:	AT (658951.11, 4197634.71, 12.50, 12.50, 0.00)	GC	UCART1
ALL HIGH 1ST HIGH VALUE IS	1562.40389	ON 13040307:	AT (656701.11, 4197634.71, 9.10, 9.10, 0.00)	GC	UCART1

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   11 Warning Message(s)
A Total of   971 Informational Message(s)

A Total of   43824 Hours Were Processed

A Total of   442 Calm Hours Identified

A Total of   529 Missing Hours Identified (1.21 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
ME W186   84   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50
ME W187   84   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W420   34276   METQA: Wind Speed Out-of-Range.   KURDAT =   16112904
MX W420   34282   METQA: Wind Speed Out-of-Range.   KURDAT =   16112910
MX W420   34288   METQA: Wind Speed Out-of-Range.   KURDAT =   16112916
MX W420   34294   METQA: Wind Speed Out-of-Range.   KURDAT =   16112922
MX W420   34300   METQA: Wind Speed Out-of-Range.   KURDAT =   16113004
MX W420   40768   METQA: Wind Speed Out-of-Range.   KURDAT =   17082616
MX W420   40792   METQA: Wind Speed Out-of-Range.   KURDAT =   17082716
MX W420   40798   METQA: Wind Speed Out-of-Range.   KURDAT =   17082722
MX W420   40804   METQA: Wind Speed Out-of-Range.   KURDAT =   17082804

   ****
   *** AERMOD Finishes Successfully ***
   ****

APPENDIX E

Excerpts of HARP Model Reports

Operational Phase

Air Dispersion | Import/Calc GLCs | Risk Analysis

Emission Inventory

Add | Import | Export | Delete All | Options | Filter: All | All

SrcID	StkID	ProID	PolID	PolAbbrev	Multiplier	Annual Ems (lbs/yr)	Max Hr Ems (lbs/hr)
HOG_L	0	0	9901	DieselExhPM	1	0.099	0
SAN_A	0	0	9901	DieselExhPM	1	3.47	0.001
SAN_L1	0	0	9901	DieselExhPM	1	0.42	0.001
SAN_L2	0	0	9901	DieselExhPM	1	0.41	0.001
SAN_L3	0	0	9901	DieselExhPM	1	0.41	0.001
HOG_A	0	0	9901	DieselExhPM	1	14.7	0.001
HOG_L	0	0	106990	1,3-Butadiene	1	0.2323	2.65E-05
HOG_L	0	0	71432	Benzene	1	3.1307	0.000357
HOG_L	0	0	50000	Formaldehyde	1	0.8898	0.000102
HOG_L	0	0	75070	Acetaldehyde	1	0.1915	2.19E-05
SAN_L1	0	0	106990	1,3-Butadiene	1	0.184	2.1E-05
SAN_L1	0	0	71432	Benzene	1	2.475	0.000283
SAN_L1	0	0	50000	Formaldehyde	1	0.704	8.03E-05
SAN_L1	0	0	75070	Acetaldehyde	1	0.151	1.73E-05
SAN_L2	0	0	106990	1,3-Butadiene	1	0.176	2.01E-05
SAN_L2	0	0	71432	Benzene	1	2.375	0.000271
SAN_L2	0	0	50000	Formaldehyde	1	0.675	7.71E-05
SAN_L2	0	0	75070	Acetaldehyde	1	0.145	1.66E-05
SAN_L3	0	0	75070	Acetaldehyde	1	0.176	2.01E-05
SAN_L3	0	0	71432	Benzene	1	2.375	0.000271
SAN_L3	0	0	50000	Formaldehyde	1	0.875	7.71E-05
SAN_L3	0	0	75070	Acetaldehyde	1	0.145	1.66E-05

HARP2 - Air Dispersion & Risk Tool (dated 19121)

File Tools Help

- Calculate Risk
  - Select Risk Scenario
  - Select Pathways to Evaluate and
  - Press Calculate
- View Risk Results
- Refined Acute Analysis
- Spatial Averaging Risk (Optional)
- Project Summary Report

Air Dispersion | Import/Calc GLCs | Risk Analysis

Select Risk Scenario

Analysis Type

- (●) Cancer Risk
- ( ) Chronic Risk (Non-cancer)
- ( ) 8-Hour Chronic Risk (Non-cancer)
- ( ) Acute Risk (Non-cancer)
- ( ) Cancer, Chronic, and Acute

Help me choose

Receptor Type

- (●) Individual Resident
- ( ) Population-Wide
- ( ) Worker

Help me choose

Exposure Duration

- (●) 70 Year
- ( ) 30 Year
- ( ) 25 Year (Worker)
- ( ) 9 Year
- ( ) User Defined (Tier 2) 70

Start Age (years) 3rd Trimester

Help me choose

Intake Rate Percentile

- (●) OEHHA Derived Method
- ( ) 95th (High End)
- ( ) 65th (Mean)
- ( ) Risk Management Policy (RMP) - *Inhalation Only*
- ( ) RMP using the Derived Method

Help me choose

HARP2 - Air Dispersion & Risk Tool (dated 19121)

File Tools Help

- Calculate Risk
  - Select Risk Scenario
  - Select Pathways to Evaluate and
  - Press Calculate
- View Risk Results
- Refined Acute Analysis
- Spatial Averaging Risk (Optional)
- Project Summary Report

Air Dispersion | Import/Calc GLCs | Risk Analysis

Select Pathways to Evaluate and Define Site Parameters

Pathways to Evaluate | Inh | Soil | Derm | MMilk | Drink Water | Fish | HG Produce

- (○) Inhalation Only
- (◉) Mandatory Minimum Pathways
- (○) Worker Pathways
- (○) User Defined
  - [✓] Inhalation (Always On)
  - [ ] Soil Ingestion
  - [ ] Dermal
  - [ ] Mother's Milk
  - [ ] Drinking Water
  - [ ] Fish
  - [ ] Homegrown Produce
  - [ ] Beef
  - [ ] Dairy Cows
  - [ ] Pigs
  - [ ] Chickens
  - [ ] Eggs

Deposition Rate (for noninhalation pathways only)

- (◉) 0.05 m/s (uncontrolled sources)
- (○) 0.02 m/s (controlled sources)
- (○) Other

Advanced Options (Tier 2) - For noninhalation pathways only

[ ] Change exposure frequency (days/year): 350 What's this do?

Help me choose

Click to select SCAQMD mandatory minimum pathways

View Risk Results

Cancer | Chronic | 8-hour | Acute

Load File | Risk Views | Options | Export

	REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO
	8085	ALL	UCART1	660301.11	4200259.71	4.4729e-08	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8086	ALL	UCART1	660376.11	4200259.71	4.4272e-08	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8087	ALL	UCART1	660451.11	4200259.71	4.3802e-08	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8088	ALL	UCART1	660526.11	4200259.71	4.3326e-08	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8089	ALL	UCART1	660601.11	4200259.71	4.2845e-08	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8090	ALL	UCART1	660676.11	4200259.71	4.2353e-08	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8091	ALL	UCART1	660751.11	4200259.71	4.1854e-08	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8092	ALL	UCART1	660826.11	4200259.71	4.1229e-08	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8093	ALL	UCART1	660901.11	4200259.71	4.0696e-08	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8094	ALL	UCART1	660976.11	4200259.71	4.0150e-08	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8095	ALL	UCART1	661051.11	4200259.71	3.9600e-08	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8096	ALL	UCART1	661126.11	4200259.71	3.9056e-08	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8097	ALL	UCART1	661201.11	4200259.71	3.8522e-08	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8098	ALL	UCART1	661276.11	4200259.71	3.8011e-08	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8099	ALL	UCART1	661351.11	4200259.71	3.7533e-08	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8100	ALL	UCART1	661426.11	4200259.71	3.7098e-08	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
▶	8101	ALL		657016	4197906	4.7238e-07	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8102	ALL		657016	4197952	3.9282e-07	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8103	ALL		656878	4197979	3.8476e-07	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8104	ALL		656829	4198005	3.5982e-07	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8105	ALL		657128	4197983	3.4919e-07	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8106	ALL		659709	4194320	1.0476e-07	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8107	ALL		660594	4197120	4.4467e-07	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8108	ALL		658620	4196053	4.1266e-07	70YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8109	ALL		659579	4195656	2.8621e-07	70YrCancerDerived_InhSoilDermMMilk_FAH16to70

Activate Windows
Go to Settings to activate W

View Risk Results

Cancer | Chronic | 8-hour | Acute

Load File | Risk Views | Export

	REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN
▶	1	ALL	UCART1	654751.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	2	ALL	UCART1	654826.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	3	ALL	UCART1	654901.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	4	ALL	UCART1	654976.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	5	ALL	UCART1	655051.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	6	ALL	UCART1	655126.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	7	ALL	UCART1	655201.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	8	ALL	UCART1	655276.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	9	ALL	UCART1	655351.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	10	ALL	UCART1	655426.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	11	ALL	UCART1	655501.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	12	ALL	UCART1	655576.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	13	ALL	UCART1	655651.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	14	ALL	UCART1	655726.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	15	ALL	UCART1	655801.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	16	ALL	UCART1	655876.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	17	ALL	UCART1	655951.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	18	ALL	UCART1	656026.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	19	ALL	UCART1	656101.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	20	ALL	UCART1	656176.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	21	ALL	UCART1	656251.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	22	ALL	UCART1	656326.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	23	ALL	UCART1	656401.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000
	24	ALL	UCART1	656476.11	4193584.71	NonCancerChronicDerived_InhSoilDermMMilk	0.0000e+00	0.0000e+00	0.0000

Activate Windows

View Risk Results

Cancer | Chronic | 8-hour | Acute

Load File | Risk Views | Export

	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL	MAXHI
	5.5208e-04	0.0000e+00	0.0000e+00	3.8553e-03	0.0000e+00	0.0000e+00	3.8670e-03
	5.9483e-04	0.0000e+00	0.0000e+00	4.1539e-03	0.0000e+00	0.0000e+00	4.1665e-03
	6.9720e-04	0.0000e+00	0.0000e+00	4.8689e-03	0.0000e+00	0.0000e+00	4.8837e-03
	7.9371e-04	0.0000e+00	0.0000e+00	5.5430e-03	0.0000e+00	0.0000e+00	5.5598e-03
	8.2187e-04	0.0000e+00	0.0000e+00	5.7397e-03	0.0000e+00	0.0000e+00	5.7571e-03
	1.1378e-03	0.0000e+00	0.0000e+00	7.9463e-03	0.0000e+00	0.0000e+00	7.9705e-03
▶	1.2714e-03	0.0000e+00	0.0000e+00	8.8793e-03	0.0000e+00	0.0000e+00	8.9063e-03
	1.2168e-03	0.0000e+00	0.0000e+00	8.4980e-03	0.0000e+00	0.0000e+00	8.5238e-03
	1.1108e-03	0.0000e+00	0.0000e+00	7.7580e-03	0.0000e+00	0.0000e+00	7.7816e-03
	1.2327e-03	0.0000e+00	0.0000e+00	8.6093e-03	0.0000e+00	0.0000e+00	8.6355e-03
	1.1574e-03	0.0000e+00	0.0000e+00	8.0830e-03	0.0000e+00	0.0000e+00	8.1076e-03
	8.8086e-04	0.0000e+00	0.0000e+00	6.1519e-03	0.0000e+00	0.0000e+00	6.1706e-03
	8.9819e-04	0.0000e+00	0.0000e+00	6.2729e-03	0.0000e+00	0.0000e+00	6.2919e-03
	7.7163e-04	0.0000e+00	0.0000e+00	5.3889e-03	0.0000e+00	0.0000e+00	5.4053e-03
	6.3617e-04	0.0000e+00	0.0000e+00	4.4428e-03	0.0000e+00	0.0000e+00	4.4563e-03
	5.8452e-04	0.0000e+00	0.0000e+00	4.0821e-03	0.0000e+00	0.0000e+00	4.0945e-03
	5.4820e-04	0.0000e+00	0.0000e+00	3.8284e-03	0.0000e+00	0.0000e+00	3.8401e-03
	5.1170e-04	0.0000e+00	0.0000e+00	3.5735e-03	0.0000e+00	0.0000e+00	3.5844e-03
	4.4463e-04	0.0000e+00	0.0000e+00	3.1051e-03	0.0000e+00	0.0000e+00	3.1145e-03
	4.0177e-04	0.0000e+00	0.0000e+00	2.8057e-03	0.0000e+00	0.0000e+00	2.8143e-03
	3.9407e-04	0.0000e+00	0.0000e+00	2.7520e-03	0.0000e+00	0.0000e+00	2.7604e-03

Constructional Phase

Emission Inventory

Add Import Export Delete All Options Filter: All All

	SrcID	StkID	ProID	PolID	PolAbbrev	Multiplier	Annual Ems (lbs/yr)	Max Hr Ems (lbs/hr)	MWAF
▶	AREA_S...	0	0	9901	DieselExhPM	1	120	0.1	1
	AREA_...	0	0	9901	DieselExhPM	1	12.7	0.1	1

View Risk Results

Cancer | Chronic | 8-hour | Acute

Load File | Risk Views | Options | Export

	REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO
▶	1	ALL	UCART1	654751.11	4193584.71	1.3122e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	2	ALL	UCART1	654826.11	4193584.71	1.3079e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	3	ALL	UCART1	654901.11	4193584.71	1.3040e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	4	ALL	UCART1	654976.11	4193584.71	1.3000e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	5	ALL	UCART1	655051.11	4193584.71	1.2986e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	6	ALL	UCART1	655126.11	4193584.71	1.2961e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	7	ALL	UCART1	655201.11	4193584.71	1.2976e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	8	ALL	UCART1	655276.11	4193584.71	1.3039e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	9	ALL	UCART1	655351.11	4193584.71	1.3150e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	10	ALL	UCART1	655426.11	4193584.71	1.3327e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	11	ALL	UCART1	655501.11	4193584.71	1.3574e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	12	ALL	UCART1	655576.11	4193584.71	1.3884e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	13	ALL	UCART1	655651.11	4193584.71	1.4254e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	14	ALL	UCART1	655726.11	4193584.71	1.4659e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	15	ALL	UCART1	655801.11	4193584.71	1.5079e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	16	ALL	UCART1	655876.11	4193584.71	1.5498e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	17	ALL	UCART1	655951.11	4193584.71	1.5894e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	18	ALL	UCART1	656026.11	4193584.71	1.6257e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	19	ALL	UCART1	656101.11	4193584.71	1.6569e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	20	ALL	UCART1	656176.11	4193584.71	1.6832e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	21	ALL	UCART1	656251.11	4193584.71	1.7030e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	22	ALL	UCART1	656326.11	4193584.71	1.7169e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	23	ALL	UCART1	656401.11	4193584.71	1.7259e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	24	ALL	UCART1	656476.11	4193584.71	1.7289e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70
	25	ALL	UCART1	656551.11	4193584.71	1.7268e-08	5YrCancerDerived_InhSoilDermMMilk_FAH16to70

Activate Windows
Go to Settings to activate

FEIR APPENDIX IV
REVISED CALEEMOD MODELING RESULTS

Sanchez Hoggan Market Driven Project

San Joaquin County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-Rail	632.12	1000sqft	14.51	632,120.00	0
Unrefrigerated Warehouse-No Rail	291.47	1000sqft	6.69	291,468.00	0
Unrefrigerated Warehouse-Rail	1,181.04	1000sqft	27.11	1,181,040.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	51
Climate Zone	2			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Construction Phase - No demolition.

Trips and VMT - No demolition.

Architectural Coating - Per SJVAPCD Rule 4601.

Vehicle Trips - Trip generation rates from ITE Trip Generation Maunual and traffic study. C-NW miles based on factors in EMFAC2017.

Consumer Products - Emission factor from ARB using updated information.

Area Coating - Per SJVAPCD Rule 4601.

Operational Off-Road Equipment - Anticipated 42 forklifts to be diesel, others electrical. Horsepower from equipment dealer site.

Water Mitigation - Per SBX7-7.

Waste Mitigation - Per AB 341.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	50
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	50	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	50	0
tblAreaMitigation	UseLowVOCPaintParkingValue	150	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	150	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConsumerProducts	ROG_EF	2.14E-05	1.25E-05
tblFleetMix	LDA	0.57	0.51
tblFleetMix	LDA	0.57	0.54
tblFleetMix	LDA	0.57	0.51
tblFleetMix	LHD1	0.01	0.05
tblFleetMix	LHD1	0.01	0.03

tblFleetMix	LHD2	4.1720e-003	0.02
tblFleetMix	LHD2	4.1720e-003	0.02
tblFleetMix	LHD2	4.1720e-003	0.02
tblFleetMix	MHD	0.02	0.03
tblFleetMix	MHD	0.02	0.04
tblGrading	AcresOfGrading	15.00	0.00
tblLandUse	LandUseSquareFeet	291,470.00	291,468.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOperationalOffRoadEquipment	OperHorsePower	89.00	17.00

tblOperationalOffRoadEquipment	OperLoadFactor	0.20	0.20
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	42.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	5.00
tblTripsAndVMT	WorkerTripNumber	23.00	10.00
tblTripsAndVMT	WorkerTripNumber	23.00	18.00
tblVehicleTrips	CNW_TL	7.30	15.00
tblVehicleTrips	CNW_TL	7.30	15.00
tblVehicleTrips	CNW_TL	7.30	15.00
tblVehicleTrips	ST_TR	1.68	5.20
tblVehicleTrips	ST_TR	1.68	1.40
tblVehicleTrips	ST_TR	1.68	1.71
tblVehicleTrips	SU_TR	1.68	5.20
tblVehicleTrips	SU_TR	1.68	1.40
tblVehicleTrips	SU_TR	1.68	1.71
tblVehicleTrips	WD_TR	1.68	5.20
tblVehicleTrips	WD_TR	1.68	1.40
tblVehicleTrips	WD_TR	1.68	1.71

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3532	3.4897	2.7785	7.3300e-003	0.5980	0.1269	0.7248	0.2293	0.1181	0.3474	0.0000	659.8978	659.8978	0.1111	0.0000	662.6742
2022	0.6985	6.2920	5.2374	0.0234	1.2117	0.0932	1.3048	0.3290	0.0883	0.4173	0.0000	2,163.1435	2,163.1435	0.1331	0.0000	2,166.4706
2023	0.6178	5.1331	4.8439	0.0228	1.2117	0.0745	1.2862	0.3290	0.0706	0.3996	0.0000	2,106.6462	2,106.6462	0.1105	0.0000	2,109.4094
2024	3.0059	3.6662	3.5693	0.0161	0.8539	0.0569	0.9108	0.2317	0.0537	0.2854	0.0000	1,482.4164	1,482.4164	0.0882	0.0000	1,484.6208
2025	2.3144	0.0187	0.0654	1.9000e-004	0.0183	7.8000e-004	0.0191	4.8700e-003	7.7000e-004	5.6400e-003	0.0000	16.6688	16.6688	4.4000e-004	0.0000	16.6797
Maximum	**3.0059**	**6.2920**	**5.2374**	**0.0234**	**1.2117**	**0.1269**	**1.3048**	**0.3290**	**0.1181**	**0.4173**	**0.0000**	**2,163.1435**	**2,163.1435**	**0.1331**	**0.0000**	**2,166.4706**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3532	3.4897	2.7785	7.3300e-003	0.3787	0.1269	0.5056	0.1329	0.1181	0.2510	0.0000	659.8974	659.8974	0.1111	0.0000	662.6738
2022	0.6985	6.2920	5.2374	0.0234	1.2117	0.0932	1.3048	0.3290	0.0883	0.4173	0.0000	2,163.1433	2,163.1433	0.1331	0.0000	2,166.4704
2023	0.6178	5.1331	4.8439	0.0228	1.2117	0.0745	1.2862	0.3290	0.0706	0.3996	0.0000	2,106.6459	2,106.6459	0.1105	0.0000	2,109.4092
2024	3.0059	3.6662	3.5693	0.0161	0.8539	0.0569	0.9108	0.2317	0.0537	0.2854	0.0000	1,482.4162	1,482.4162	0.0882	0.0000	1,484.6205
2025	2.3144	0.0187	0.0654	1.9000e-004	0.0183	7.8000e-004	0.0191	4.8700e-003	7.7000e-004	5.6400e-003	0.0000	16.6688	16.6688	4.4000e-004	0.0000	16.6797
Maximum	**3.0059**	**6.2920**	**5.2374**	**0.0234**	**1.2117**	**0.1269**	**1.3048**	**0.3290**	**0.1181**	**0.4173**	**0.0000**	**2,163.1433**	**2,163.1433**	**0.1331**	**0.0000**	**2,166.4704**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**5.63**	**0.00**	**5.16**	**8.57**	**0.00**	**6.62**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-1-2021	6-30-2021	0.7104	0.7104
2	7-1-2021	9-30-2021	1.4086	1.4086
3	10-1-2021	12-31-2021	1.7162	1.7162
4	1-1-2022	3-31-2022	1.7403	1.7403
5	4-1-2022	6-30-2022	1.7382	1.7382
6	7-1-2022	9-30-2022	1.7573	1.7573

7	**10-1-2022**	**12-31-2022**	1.7790	1.7790
8	**1-1-2023**	**3-31-2023**	1.4330	1.4330
9	**4-1-2023**	**6-30-2023**	1.4336	1.4336
10	**7-1-2023**	**9-30-2023**	1.4494	1.4494
11	**10-1-2023**	**12-31-2023**	1.4648	1.4648
12	**1-1-2024**	**3-31-2024**	1.4035	1.4035
13	**4-1-2024**	**6-30-2024**	1.3894	1.3894
14	**7-1-2024**	**9-30-2024**	1.0928	1.0928
15	**10-1-2024**	**12-31-2024**	2.7982	2.7982
16	**1-1-2025**	**3-31-2025**	2.3083	2.3083
		Highest	2.7982	2.7982

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.2907	1.7000e-004	0.0193	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0376	0.0376	1.0000e-004	0.0000	0.0401
Energy	0.0524	0.4764	0.4001	2.8600e-003		0.0362	0.0362		0.0362	0.0362	0.0000	5,937.0253	5,937.0253	0.2550	0.0602	5,961.3380
Mobile	1.6807	12.4690	19.9127	0.1031	8.6410	0.0830	8.7241	2.3270	0.0780	2.4050	0.0000	9,537.0584	9,537.0584	0.3072	0.0000	9,544.7376
Waste						0.0000	0.0000		0.0000	0.0000	401.5872	0.0000	401.5872	23.7331	0.0000	994.9152
Water						0.0000	0.0000		0.0000	0.0000	154.4061	766.1184	920.5245	15.8936	0.3816	1,431.5916
Total	**7.0238**	**12.9455**	**20.3322**	**0.1060**	**8.6410**	**0.1193**	**8.7603**	**2.3270**	**0.1143**	**2.4413**	**555.9933**	**16,240.2396**	**16,796.2329**	**40.1890**	**0.4418**	**17,932.6224**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.2907	1.7000e-004	0.0193	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0376	0.0376	1.0000e-004	0.0000	0.0401
Energy	0.0472	0.4287	0.3601	2.5700e-003		0.0326	0.0326		0.0326	0.0326	0.0000	4,993.6287	4,993.6287	0.2136	0.0509	5,014.1400
Mobile	1.5817	11.6636	17.9653	0.0919	7.6202	0.0738	7.6941	2.0521	0.0694	2.1215	0.0000	8,497.2072	8,497.2072	0.2846	0.0000	8,504.3233
Waste						0.0000	0.0000		0.0000	0.0000	100.3968	0.0000	100.3968	5.9333	0.0000	248.7288
Water						0.0000	0.0000		0.0000	0.0000	123.5249	612.8947	736.4196	12.7149	0.3053	1,145.2732
Total	**6.9195**	**12.0925**	**18.3447**	**0.0944**	**7.6202**	**0.1065**	**7.7267**	**2.0521**	**0.1020**	**2.1541**	**223.9217**	**14,103.7683**	**14,327.6899**	**19.1466**	**0.3562**	**14,912.5053**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**1.48**	**6.59**	**9.77**	**10.90**	**11.81**	**10.73**	**11.80**	**11.81**	**10.73**	**11.76**	**59.73**	**13.16**	**14.70**	**52.36**	**19.38**	**16.84**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
Vegetation Land Change	-1,005.6900
Total	**-1,005.6900**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2021	6/9/2021	5	50	
2	Site Preparation	Site Preparation	6/10/2021	7/21/2021	5	30	
3	Grading	Grading	7/22/2021	11/3/2021	5	75	
4	Building Construction	Building Construction	11/4/2021	9/4/2024	5	740	
5	Paving	Paving	9/5/2024	11/20/2024	5	55	
6	Architectural Coating	Architectural Coating	11/21/2024	2/5/2025	5	55	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,156,942; Non-Residential Outdoor: 1,052,314; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	1	8.00	174	0.41
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	7	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	5	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	9	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	884.00	345.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	9	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	177.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0366	0.3371	0.4447	6.9000e-004		0.0177	0.0177		0.0166	0.0166	0.0000	60.1532	60.1532	0.0159	0.0000	60.5504
Total	**0.0366**	**0.3371**	**0.4447**	**6.9000e-004**		**0.0177**	**0.0177**		**0.0166**	**0.0166**	**0.0000**	**60.1532**	**60.1532**	**0.0159**	**0.0000**	**60.5504**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0366	0.3371	0.4447	6.9000e-004		0.0177	0.0177		0.0166	0.0166	0.0000	60.1531	60.1531	0.0159	0.0000	60.5503
Total	**0.0366**	**0.3371**	**0.4447**	**6.9000e-004**		**0.0177**	**0.0177**		**0.0166**	**0.0166**	**0.0000**	**60.1531**	**60.1531**	**0.0159**	**0.0000**	**60.5503**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0594	0.6135	0.2828	5.2000e-004		0.0307	0.0307		0.0283	0.0283	0.0000	46.0630	46.0630	0.0149	0.0000	46.4355
Total	**0.0594**	**0.6135**	**0.2828**	**5.2000e-004**	**0.2710**	**0.0307**	**0.3017**	**0.1490**	**0.0283**	**0.1772**	**0.0000**	**46.0630**	**46.0630**	**0.0149**	**0.0000**	**46.4355**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.9000e-004	1.9300e-003	1.0000e-005	6.0000e-004	0.0000	6.0000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5098	0.5098	1.0000e-005	0.0000	0.5101
Total	**2.8000e-004**	**1.9000e-004**	**1.9300e-003**	**1.0000e-005**	**6.0000e-004**	**0.0000**	**6.0000e-004**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**0.5098**	**0.5098**	**1.0000e-005**	**0.0000**	**0.5101**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1220	0.0000	0.1220	0.0670	0.0000	0.0670	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0594	0.6135	0.2828	5.2000e-004		0.0307	0.0307		0.0283	0.0283	0.0000	46.0630	46.0630	0.0149	0.0000	46.4354
Total	**0.0594**	**0.6135**	**0.2828**	**5.2000e-004**	**0.1220**	**0.0307**	**0.1527**	**0.0670**	**0.0283**	**0.0953**	**0.0000**	**46.0630**	**46.0630**	**0.0149**	**0.0000**	**46.4354**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.9000e-004	1.9300e-003	1.0000e-005	6.0000e-004	0.0000	6.0000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5098	0.5098	1.0000e-005	0.0000	0.5101
Total	**2.8000e-004**	**1.9000e-004**	**1.9300e-003**	**1.0000e-005**	**6.0000e-004**	**0.0000**	**6.0000e-004**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**0.5098**	**0.5098**	**1.0000e-005**	**0.0000**	**0.5101**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1277	0.0000	0.1277	0.0263	0.0000	0.0263	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1330	1.4498	1.1360	2.2200e-003		0.0608	0.0608		0.0565	0.0565	0.0000	194.9183	194.9183	0.0577	0.0000	196.3605
Total	**0.1330**	**1.4498**	**1.1360**	**2.2200e-003**	**0.1277**	**0.0608**	**0.1885**	**0.0263**	**0.0565**	**0.0827**	**0.0000**	**194.9183**	**194.9183**	**0.0577**	**0.0000**	**196.3605**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3800e-003	9.6000e-004	9.6500e-003	3.0000e-005	2.9900e-003	2.0000e-005	3.0100e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.5491	2.5491	7.0000e-005	0.0000	2.5507
Total	**1.3800e-003**	**9.6000e-004**	**9.6500e-003**	**3.0000e-005**	**2.9900e-003**	**2.0000e-005**	**3.0100e-003**	**7.9000e-004**	**2.0000e-005**	**8.1000e-004**	**0.0000**	**2.5491**	**2.5491**	**7.0000e-005**	**0.0000**	**2.5507**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0574	0.0000	0.0574	0.0118	0.0000	0.0118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1330	1.4498	1.1360	2.2200e-003		0.0608	0.0608		0.0565	0.0565	0.0000	194.9180	194.9180	0.0577	0.0000	196.3603
Total	**0.1330**	**1.4498**	**1.1360**	**2.2200e-003**	**0.0574**	**0.0608**	**0.1183**	**0.0118**	**0.0565**	**0.0683**	**0.0000**	**194.9180**	**194.9180**	**0.0577**	**0.0000**	**196.3603**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3800e-003	9.6000e-004	9.6500e-003	3.0000e-005	2.9900e-003	2.0000e-005	3.0100e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.5491	2.5491	7.0000e-005	0.0000	2.5507
Total	**1.3800e-003**	**9.6000e-004**	**9.6500e-003**	**3.0000e-005**	**2.9900e-003**	**2.0000e-005**	**3.0100e-003**	**7.9000e-004**	**2.0000e-005**	**8.1000e-004**	**0.0000**	**2.5491**	**2.5491**	**7.0000e-005**	**0.0000**	**2.5507**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0300	0.2648	0.2656	4.3000e-004		0.0144	0.0144		0.0137	0.0137	0.0000	36.7240	36.7240	7.8800e-003	0.0000	36.9210
Total	**0.0300**	**0.2648**	**0.2656**	**4.3000e-004**		**0.0144**	**0.0144**		**0.0137**	**0.0137**	**0.0000**	**36.7240**	**36.7240**	**7.8800e-003**	**0.0000**	**36.9210**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0240	0.7760	0.1600	2.0300e-003	0.0479	2.2100e-003	0.0501	0.0138	2.1100e-003	0.0159	0.0000	192.7909	192.7909	0.0114	0.0000	193.0758
Worker	0.0684	0.0474	0.4778	1.4000e-003	0.1479	9.7000e-004	0.1488	0.0393	8.9000e-004	0.0402	0.0000	126.1896	126.1896	3.2200e-003	0.0000	126.2702
Total	**0.0924**	**0.8234**	**0.6378**	**3.4300e-003**	**0.1957**	**3.1800e-003**	**0.1989**	**0.0531**	**3.0000e-003**	**0.0562**	**0.0000**	**318.9805**	**318.9805**	**0.0146**	**0.0000**	**319.3459**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0300	0.2648	0.2656	4.3000e-004		0.0144	0.0144		0.0137	0.0137	0.0000	36.7240	36.7240	7.8800e-003	0.0000	36.9210
Total	**0.0300**	**0.2648**	**0.2656**	**4.3000e-004**		**0.0144**	**0.0144**		**0.0137**	**0.0137**	**0.0000**	**36.7240**	**36.7240**	**7.8800e-003**	**0.0000**	**36.9210**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0240	0.7760	0.1600	2.0300e-003	0.0479	2.2100e-003	0.0501	0.0138	2.1100e-003	0.0159	0.0000	192.7909	192.7909	0.0114	0.0000	193.0758
Worker	0.0684	0.0474	0.4778	1.4000e-003	0.1479	9.7000e-004	0.1488	0.0393	8.9000e-004	0.0402	0.0000	126.1896	126.1896	3.2200e-003	0.0000	126.2702
Total	**0.0924**	**0.8234**	**0.6378**	**3.4300e-003**	**0.1957**	**3.1800e-003**	**0.1989**	**0.0531**	**3.0000e-003**	**0.0562**	**0.0000**	**318.9805**	**318.9805**	**0.0146**	**0.0000**	**319.3459**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1676	1.4783	1.6255	2.6600e-003		0.0755	0.0755		0.0717	0.0717	0.0000	227.4244	227.4244	0.0483	0.0000	228.6318
Total	**0.1676**	**1.4783**	**1.6255**	**2.6600e-003**		**0.0755**	**0.0755**		**0.0717**	**0.0717**	**0.0000**	**227.4244**	**227.4244**	**0.0483**	**0.0000**	**228.6318**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1381	4.5514	0.9137	0.0125	0.2963	0.0118	0.3081	0.0856	0.0113	0.0969	0.0000	1,182.3171	1,182.3171	0.0669	0.0000	1,183.9907
Worker	0.3929	0.2623	2.6983	8.3300e-003	0.9154	5.8200e-003	0.9212	0.2434	5.3600e-003	0.2487	0.0000	753.4020	753.4020	0.0179	0.0000	753.8482
Total	**0.5309**	**4.8137**	**3.6119**	**0.0208**	**1.2117**	**0.0176**	**1.2293**	**0.3290**	**0.0167**	**0.3457**	**0.0000**	**1,935.7191**	**1,935.7191**	**0.0848**	**0.0000**	**1,937.8389**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1676	1.4783	1.6255	2.6600e-003		0.0755	0.0755		0.0717	0.0717	0.0000	227.4241	227.4241	0.0483	0.0000	228.6315
Total	**0.1676**	**1.4783**	**1.6255**	**2.6600e-003**		**0.0755**	**0.0755**		**0.0717**	**0.0717**	**0.0000**	**227.4241**	**227.4241**	**0.0483**	**0.0000**	**228.6315**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1381	4.5514	0.9137	0.0125	0.2963	0.0118	0.3081	0.0856	0.0113	0.0969	0.0000	1,182.3171	1,182.3171	0.0669	0.0000	1,183.9907
Worker	0.3929	0.2623	2.6983	8.3300e-003	0.9154	5.8200e-003	0.9212	0.2434	5.3600e-003	0.2487	0.0000	753.4020	753.4020	0.0179	0.0000	753.8482
Total	**0.5309**	**4.8137**	**3.6119**	**0.0208**	**1.2117**	**0.0176**	**1.2293**	**0.3290**	**0.0167**	**0.3457**	**0.0000**	**1,935.7191**	**1,935.7191**	**0.0848**	**0.0000**	**1,937.8389**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1545	1.3668	1.6152	2.6600e-003		0.0653	0.0653		0.0619	0.0619	0.0000	227.5034	227.5034	0.0478	0.0000	228.6985
Total	**0.1545**	**1.3668**	**1.6152**	**2.6600e-003**		**0.0653**	**0.0653**		**0.0619**	**0.0619**	**0.0000**	**227.5034**	**227.5034**	**0.0478**	**0.0000**	**228.6985**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0980	3.5314	0.7695	0.0122	0.2963	3.6300e-003	0.2999	0.0856	3.4700e-003	0.0891	0.0000	1,153.7793	1,153.7793	0.0468	0.0000	1,154.9491
Worker	0.3653	0.2349	2.4591	8.0200e-003	0.9154	5.6500e-003	0.9210	0.2434	5.2000e-003	0.2486	0.0000	725.3635	725.3635	0.0159	0.0000	725.7618
Total	**0.4632**	**3.7663**	**3.2287**	**0.0202**	**1.2117**	**9.2800e-003**	**1.2210**	**0.3290**	**8.6700e-003**	**0.3377**	**0.0000**	**1,879.1428**	**1,879.1428**	**0.0627**	**0.0000**	**1,880.7110**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1545	1.3668	1.6152	2.6600e-003		0.0653	0.0653		0.0619	0.0619	0.0000	227.5031	227.5031	0.0478	0.0000	228.6982
Total	**0.1545**	**1.3668**	**1.6152**	**2.6600e-003**		**0.0653**	**0.0653**		**0.0619**	**0.0619**	**0.0000**	**227.5031**	**227.5031**	**0.0478**	**0.0000**	**228.6982**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0980	3.5314	0.7695	0.0122	0.2963	3.6300e-003	0.2999	0.0856	3.4700e-003	0.0891	0.0000	1,153.7793	1,153.7793	0.0468	0.0000	1,154.9491
Worker	0.3653	0.2349	2.4591	8.0200e-003	0.9154	5.6500e-003	0.9210	0.2434	5.2000e-003	0.2486	0.0000	725.3635	725.3635	0.0159	0.0000	725.7618
Total	**0.4632**	**3.7663**	**3.2287**	**0.0202**	**1.2117**	**9.2800e-003**	**1.2210**	**0.3290**	**8.6700e-003**	**0.3377**	**0.0000**	**1,879.1428**	**1,879.1428**	**0.0627**	**0.0000**	**1,880.7110**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0990	0.8777	1.1015	1.8200e-003		0.0391	0.0391		0.0371	0.0371	0.0000	155.7826	155.7826	0.0324	0.0000	156.5936
Total	**0.0990**	**0.8777**	**1.1015**	**1.8200e-003**		**0.0391**	**0.0391**		**0.0371**	**0.0371**	**0.0000**	**155.7826**	**155.7826**	**0.0324**	**0.0000**	**156.5936**

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0648	2.3963	0.4979	8.2500e-003	0.2029	2.4500e-003	0.2053	0.0586	2.3400e-003	0.0610	0.0000	784.0333	784.0333	0.0316	0.0000	784.8236
Worker	0.2335	0.1445	1.5513	5.2500e-003	0.6267	3.7600e-003	0.6304	0.1666	3.4600e-003	0.1701	0.0000	475.2534	475.2534	9.7600e-003	0.0000	475.4974
Total	**0.2983**	**2.5407**	**2.0492**	**0.0135**	**0.8295**	**6.2100e-003**	**0.8358**	**0.2252**	**5.8000e-003**	**0.2310**	**0.0000**	**1,259.2868**	**1,259.2868**	**0.0414**	**0.0000**	**1,260.3211**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0990	0.8777	1.1015	1.8200e-003		0.0391	0.0391		0.0371	0.0371	0.0000	155.7824	155.7824	0.0324	0.0000	156.5934
Total	**0.0990**	**0.8777**	**1.1015**	**1.8200e-003**		**0.0391**	**0.0391**		**0.0371**	**0.0371**	**0.0000**	**155.7824**	**155.7824**	**0.0324**	**0.0000**	**156.5934**

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0648	2.3963	0.4979	8.2500e-003	0.2029	2.4500e-003	0.2053	0.0586	2.3400e-003	0.0610	0.0000	784.0333	784.0333	0.0316	0.0000	784.8236
Worker	0.2335	0.1445	1.5513	5.2500e-003	0.6267	3.7600e-003	0.6304	0.1666	3.4600e-003	0.1701	0.0000	475.2534	475.2534	9.7600e-003	0.0000	475.4974
Total	**0.2983**	**2.5407**	**2.0492**	**0.0135**	**0.8295**	**6.2100e-003**	**0.8358**	**0.2252**	**5.8000e-003**	**0.2310**	**0.0000**	**1,259.2868**	**1,259.2868**	**0.0414**	**0.0000**	**1,260.3211**

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0251	0.2245	0.3320	5.3000e-004		0.0106	0.0106		9.8300e-003	9.8300e-003	0.0000	45.1515	45.1515	0.0138	0.0000	45.4958
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0251**	**0.2245**	**0.3320**	**5.3000e-004**		**0.0106**	**0.0106**		**9.8300e-003**	**9.8300e-003**	**0.0000**	**45.1515**	**45.1515**	**0.0138**	**0.0000**	**45.4958**

3.6 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4700e-003	9.1000e-004	9.7600e-003	3.0000e-005	3.9400e-003	2.0000e-005	3.9700e-003	1.0500e-003	2.0000e-005	1.0700e-003	0.0000	2.9901	2.9901	6.0000e-005	0.0000	2.9917
Total	**1.4700e-003**	**9.1000e-004**	**9.7600e-003**	**3.0000e-005**	**3.9400e-003**	**2.0000e-005**	**3.9700e-003**	**1.0500e-003**	**2.0000e-005**	**1.0700e-003**	**0.0000**	**2.9901**	**2.9901**	**6.0000e-005**	**0.0000**	**2.9917**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0251	0.2245	0.3320	5.3000e-004		0.0106	0.0106		9.8300e-003	9.8300e-003	0.0000	45.1514	45.1514	0.0138	0.0000	45.4957
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0251**	**0.2245**	**0.3320**	**5.3000e-004**		**0.0106**	**0.0106**		**9.8300e-003**	**9.8300e-003**	**0.0000**	**45.1514**	**45.1514**	**0.0138**	**0.0000**	**45.4957**

3.6 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4700e-003	9.1000e-004	9.7600e-003	3.0000e-005	3.9400e-003	2.0000e-005	3.9700e-003	1.0500e-003	2.0000e-005	1.0700e-003	0.0000	2.9901	2.9901	6.0000e-005	0.0000	2.9917
Total	**1.4700e-003**	**9.1000e-004**	**9.7600e-003**	**3.0000e-005**	**3.9400e-003**	**2.0000e-005**	**3.9700e-003**	**1.0500e-003**	**2.0000e-005**	**1.0700e-003**	**0.0000**	**2.9901**	**2.9901**	**6.0000e-005**	**0.0000**	**2.9917**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.5718					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6200e-003	0.0177	0.0263	4.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	3.7022	3.7022	2.1000e-004	0.0000	3.7074
Total	**2.5744**	**0.0177**	**0.0263**	**4.0000e-005**		**8.8000e-004**	**8.8000e-004**		**8.8000e-004**	**8.8000e-004**	**0.0000**	**3.7022**	**3.7022**	**2.1000e-004**	**0.0000**	**3.7074**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6200e-003	4.7100e-003	0.0506	1.7000e-004	0.0204	1.2000e-004	0.0206	5.4400e-003	1.1000e-004	5.5500e-003	0.0000	15.5033	15.5033	3.2000e-004	0.0000	15.5113
Total	**7.6200e-003**	**4.7100e-003**	**0.0506**	**1.7000e-004**	**0.0204**	**1.2000e-004**	**0.0206**	**5.4400e-003**	**1.1000e-004**	**5.5500e-003**	**0.0000**	**15.5033**	**15.5033**	**3.2000e-004**	**0.0000**	**15.5113**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.5718					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6200e-003	0.0177	0.0263	4.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	3.7022	3.7022	2.1000e-004	0.0000	3.7074
Total	**2.5744**	**0.0177**	**0.0263**	**4.0000e-005**		**8.8000e-004**	**8.8000e-004**		**8.8000e-004**	**8.8000e-004**	**0.0000**	**3.7022**	**3.7022**	**2.1000e-004**	**0.0000**	**3.7074**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6200e-003	4.7100e-003	0.0506	1.7000e-004	0.0204	1.2000e-004	0.0206	5.4400e-003	1.1000e-004	5.5500e-003	0.0000	15.5033	15.5033	3.2000e-004	0.0000	15.5113
Total	**7.6200e-003**	**4.7100e-003**	**0.0506**	**1.7000e-004**	**0.0204**	**1.2000e-004**	**0.0206**	**5.4400e-003**	**1.1000e-004**	**5.5500e-003**	**0.0000**	**15.5033**	**15.5033**	**3.2000e-004**	**0.0000**	**15.5113**

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3057					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2200e-003	0.0149	0.0235	4.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	3.3192	3.3192	1.8000e-004	0.0000	3.3238
Total	**2.3079**	**0.0149**	**0.0235**	**4.0000e-005**		**6.7000e-004**	**6.7000e-004**		**6.7000e-004**	**6.7000e-004**	**0.0000**	**3.3192**	**3.3192**	**1.8000e-004**	**0.0000**	**3.3238**

3.7 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4100e-003	3.8200e-003	0.0418	1.5000e-004	0.0183	1.1000e-004	0.0184	4.8700e-003	1.0000e-004	4.9700e-003	0.0000	13.3495	13.3495	2.6000e-004	0.0000	13.3560
Total	**6.4100e-003**	**3.8200e-003**	**0.0418**	**1.5000e-004**	**0.0183**	**1.1000e-004**	**0.0184**	**4.8700e-003**	**1.0000e-004**	**4.9700e-003**	**0.0000**	**13.3495**	**13.3495**	**2.6000e-004**	**0.0000**	**13.3560**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3057					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2200e-003	0.0149	0.0235	4.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	3.3192	3.3192	1.8000e-004	0.0000	3.3238
Total	**2.3079**	**0.0149**	**0.0235**	**4.0000e-005**		**6.7000e-004**	**6.7000e-004**		**6.7000e-004**	**6.7000e-004**	**0.0000**	**3.3192**	**3.3192**	**1.8000e-004**	**0.0000**	**3.3238**

3.7 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4100e-003	3.8200e-003	0.0418	1.5000e-004	0.0183	1.1000e-004	0.0184	4.8700e-003	1.0000e-004	4.9700e-003	0.0000	13.3495	13.3495	2.6000e-004	0.0000	13.3560
Total	**6.4100e-003**	**3.8200e-003**	**0.0418**	**1.5000e-004**	**0.0183**	**1.1000e-004**	**0.0184**	**4.8700e-003**	**1.0000e-004**	**4.9700e-003**	**0.0000**	**13.3495**	**13.3495**	**2.6000e-004**	**0.0000**	**13.3560**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Implement Trip Reduction Program

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.5817	11.6636	17.9653	0.0919	7.6202	0.0738	7.6941	2.0521	0.0694	2.1215	0.0000	8,497.2072	8,497.2072	0.2846	0.0000	8,504.3233
Unmitigated	1.6807	12.4690	19.9127	0.1031	8.6410	0.0830	8.7241	2.3270	0.0780	2.4050	0.0000	9,537.0584	9,537.0584	0.3072	0.0000	9,544.7376

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-Rail	3,287.02	3,287.02	3287.02	13,118,814	11,569,015
Unrefrigerated Warehouse-No Rail	408.06	408.06	408.06	1,628,597	1,436,202
Unrefrigerated Warehouse-Rail	2,019.58	2,019.58	2019.58	8,060,322	7,108,111
Total	5,714.66	5,714.66	5,714.66	22,807,733	20,113,328

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Refrigerated Warehouse-Rail	9.50	7.30	15.00	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	9.50	7.30	15.00	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-Rail	9.50	7.30	15.00	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Refrigerated Warehouse-Rail	0.512580	0.033245	0.188169	0.107110	0.053644	0.024172	0.015876	0.056665	0.001183	0.001302	0.004809	0.000595	0.000651
Unrefrigerated Warehouse-No Rail	0.542580	0.033245	0.188169	0.107110	0.013644	0.024172	0.025876	0.056665	0.001183	0.001302	0.004809	0.000595	0.000651
Unrefrigerated Warehouse-Rail	0.512580	0.033245	0.188169	0.107110	0.033644	0.024172	0.035876	0.056665	0.001183	0.001302	0.004809	0.000595	0.000651

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,526.9155	4,526.9155	0.2047	0.0424	4,544.6533
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,418.4550	5,418.4550	0.2450	0.0507	5,439.6861
NaturalGas Mitigated	0.0472	0.4287	0.3601	2.5700e-003		0.0326	0.0326		0.0326	0.0326	0.0000	466.7133	466.7133	8.9500e-003	8.5600e-003	469.4867
NaturalGas Unmitigated	0.0524	0.4764	0.4001	2.8600e-003		0.0362	0.0362		0.0362	0.0362	0.0000	518.5703	518.5703	9.9400e-003	9.5100e-003	521.6519

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Refrigerated Warehouse-Rail	720617	3.8900e-003	0.0353	0.0297	2.1000e-004		2.6800e-003	2.6800e-003		2.6800e-003	2.6800e-003	0.0000	38.4549	38.4549	7.4000e-004	7.1000e-004	38.6834
Unrefrigerated Warehouse-No Rail	1.78087e+006	9.6000e-003	0.0873	0.0733	5.2000e-004		6.6300e-003	6.6300e-003		6.6300e-003	6.6300e-003	0.0000	95.0340	95.0340	1.8200e-003	1.7400e-003	95.5987
Unrefrigerated Warehouse-Rail	7.21615e+006	0.0389	0.3537	0.2971	2.1200e-003		0.0269	0.0269		0.0269	0.0269	0.0000	385.0815	385.0815	7.3800e-003	7.0600e-003	387.3698
Total		**0.0524**	**0.4764**	**0.4001**	**2.8500e-003**		**0.0362**	**0.0362**		**0.0362**	**0.0362**	**0.0000**	**518.5703**	**518.5703**	**9.9400e-003**	**9.5100e-003**	**521.6519**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Refrigerated Warehouse-Rail	648555	3.5000e-003	0.0318	0.0267	1.9000e-004		2.4200e-003	2.4200e-003		2.4200e-003	2.4200e-003	0.0000	34.6094	34.6094	6.6000e-004	6.3000e-004	34.8150
Unrefrigerated Warehouse-No Rail	1.60278e+006	8.6400e-003	0.0786	0.0660	4.7000e-004		5.9700e-003	5.9700e-003		5.9700e-003	5.9700e-003	0.0000	85.5306	85.5306	1.6400e-003	1.5700e-003	86.0389
Unrefrigerated Warehouse-Rail	6.49454e+006	0.0350	0.3184	0.2674	1.9100e-003		0.0242	0.0242		0.0242	0.0242	0.0000	346.5733	346.5733	6.6400e-003	6.3500e-003	348.6328
Total		**0.0472**	**0.4287**	**0.3601**	**2.5700e-003**		**0.0326**	**0.0326**		**0.0326**	**0.0326**	**0.0000**	**466.7133**	**466.7133**	**8.9400e-003**	**8.5500e-003**	**469.4867**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Refrigerated Warehouse-Rail	1.18523e+007	3,447.9554	0.1559	0.0323	3,461.4655
Unrefrigerated Warehouse-No Rail	1.34075e+006	390.0404	0.0176	3.6500e-003	391.5687
Unrefrigerated Warehouse-Rail	5.43278e+006	1,580.4592	0.0715	0.0148	1,586.6519
Total		**5,418.4550**	**0.2450**	**0.0507**	**5,439.6861**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Refrigerated Warehouse-Rail	1.07483e+007	3,126.7899	0.1414	0.0293	3,139.0416
Unrefrigerated Warehouse-No Rail	952663	277.1406	0.0125	2.5900e-003	278.2266
Unrefrigerated Warehouse-Rail	3.86023e+006	1,122.9850	0.0508	0.0105	1,127.3851
Total		**4,526.9155**	**0.2047**	**0.0424**	**4,544.6533**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.2907	1.7000e-004	0.0193	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0376	0.0376	1.0000e-004	0.0000	0.0401
Unmitigated	5.2907	1.7000e-004	0.0193	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0376	0.0376	1.0000e-004	0.0000	0.0401

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4878					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.8012					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7800e-003	1.7000e-004	0.0193	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0376	0.0376	1.0000e-004	0.0000	0.0401
Total	**5.2907**	**1.7000e-004**	**0.0193**	**0.0000**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**	**0.0000**	**0.0376**	**0.0376**	**1.0000e-004**	**0.0000**	**0.0401**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4878					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.8012					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7800e-003	1.7000e-004	0.0193	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0376	0.0376	1.0000e-004	0.0000	0.0401
Total	**5.2907**	**1.7000e-004**	**0.0193**	**0.0000**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**	**0.0000**	**0.0376**	**0.0376**	**1.0000e-004**	**0.0000**	**0.0401**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	736.4196	12.7149	0.3053	1,145.2732
Unmitigated	920.5245	15.8936	0.3816	1,431.5916

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Refrigerated Warehouse-Rail	146.178 / 0	276.4771	4.7736	0.1146	429.9747
Unrefrigerated Warehouse-No Rail	67.4024 / 0	127.4833	2.2011	0.0529	198.2610
Unrefrigerated Warehouse-Rail	273.116 / 0	516.5641	8.9189	0.2142	803.3559
Total		**920.5245**	**15.8936**	**0.3816**	**1,431.5916**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Refrigerated Warehouse-Rail	116.942 / 0	221.1817	3.8189	0.0917	343.9798
Unrefrigerated Warehouse-No Rail	53.922 / 0	101.9867	1.7609	0.0423	158.6088
Unrefrigerated Warehouse-Rail	218.492 / 0	413.2512	7.1351	0.1713	642.6847
Total		**736.4196**	**12.7149**	**0.3053**	**1,145.2733**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	100.3968	5.9333	0.0000	248.7288
Unmitigated	401.5872	23.7331	0.0000	994.9152

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Refrigerated Warehouse-Rail	594.19	120.6152	7.1282	0.0000	298.8191
Unrefrigerated Warehouse-No Rail	273.98	55.6155	3.2868	0.0000	137.7850
Unrefrigerated Warehouse-Rail	1110.18	225.3565	13.3182	0.0000	558.3112
Total		**401.5872**	**23.7331**	**0.0000**	**994.9152**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Refrigerated Warehouse-Rail	148.548	30.1538	1.7820	0.0000	74.7048
Unrefrigerated Warehouse-No Rail	68.495	13.9039	0.8217	0.0000	34.4462
Unrefrigerated Warehouse-Rail	277.545	56.3391	3.3296	0.0000	139.5778
Total		**100.3968**	**5.9333**	**0.0000**	**248.7288**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	42	8.00	260	17	0.20	Diesel

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-1,005.6900	0.0000	0.0000	-1,005.6900

11.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Cropland	149 / 0	-923.8000	0.0000	0.0000	-923.8000
Grassland	21 / 2	-81.8900	0.0000	0.0000	-81.8900
Total		**-1,005.6900**	**0.0000**	**0.0000**	**-1,005.6900**

FEIR APPENDIX V
AIR QUALITY IMPROVEMENT MEASURES

Sanchez Hoggan Annexation Project

Potential COAs that respond to mitigation suggestions

1. In addition to any other applicable requirements, the Hoggan property shall install a masonry or other solid wall on the northern side adjacent to the Little John's Creek setback. Landscaping along this line shall include screening trees.

2. Signage on both sites shall meet the following standards:

   Entry and exit points are clearly designated.

   Truck parking and maintenance activity is confined to the project site and is not allowed on nearby public streets.

3. Building contractors for the project shall be subject to the following requirements:

   Haul trucks and large on-site diesel equipment shall be equipped with CARB Tier IV-compliant engines or better, if available.

   Small equipment shall be electric or low-emission, where feasible.

   Off-road diesel-powered equipment shall not be left in the "on position" for more than 10 hours per day.

   Provide temporary electrical hookup to construction yard and associated work areas.

   Prepare and implement a Dust Control Plan approved by the APCD with robust watering requirements.

   Prohibit idling of heavy equipment for more than 5 minutes.

   Maintain on the construction site an inventory of construction equipment, maintenance records and data sheets, including design specifications and emission control tier classifications.

   Participate in City mitigation monitoring efforts as required.

   Comply with SJVAPCD Rule 4601 limiting VOCs in architectural coatings.

4. Tenants within the project site shall be subject to the following requirements:

   Tenants with 100 or more employees shall prepare a Trip Reduction Plan providing information on transit and ridesharing in compliance with SJVAPCD Rule 9410.

   Tenants with 100 or more employees shall provide on-site meal options such as break rooms, food trucks.

   All tenant-owned and operated fleet equipment with a gross vehicle weight rating greater than 14,000 pounds accessing the site meet or exceed 2010 model-year

emissions equivalent engine standards as currently defined in California Code of Regulations Title 13, Division 3, Chapter 1, Article 4.5, Section 2025.

Encourage tenants to utilize electric powered or zero emission forklifts, tuggers and other off-road mobile equipment to the degree feasible. The developer will provide infrastructure for tenant to install charging stations for yard equipment.

Encourage tenants to use zero-emission light - and medium-duty vehicles.

The developer will provide signage at entrances indicating that truck operators shall turn off engines when not in use and observe State idling requirements.

Provide electric truck charging stations at dock doors proportional to demand.

Provide electric TRU electrical connections at dock doors proportional to demand.

Provide electric light vehicle charging stations per code requirements and proportional to demand.

Proposed building will be solar-adaptable per code requirements.

Standby generators fuel systems shall be non-diesel where feasible.

The CC&R's shall recommend tenants to train managers and employees on efficient scheduling and load management to eliminate unnecessary queuing and idling of trucks.

Comply with applicable Stockton Building Codes, greenhouse gas reduction requirements and energy conservation standards.

Provide exit signage directing trucks to truck routes.

The CC&R's shall recommend staff training in pollution control requirements and related record-keeping.

The CC&R's shall encourage use of incentive programs, such as the Carl Moyer Program and Voucher Incentive Program, to upgrade truck fleets.

The CC&R's shall encourage the use of zero-emission all-electric plug-in TRUs, hydrogen fuel cell transport refrigeration, and cryogenic transport refrigeration technologies.

The CC&R's shall advise tenant of various applicable State emission control requirements.

5. Applicant shall provide tenants with information on incentive programs, such as the Carl Moyer Program and Voucher Incentive Program, to upgrade truck fleets.